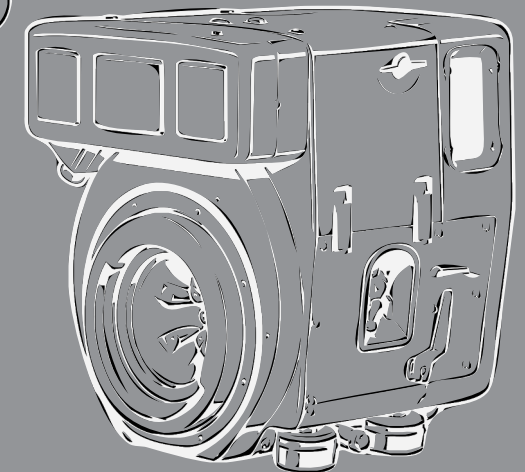
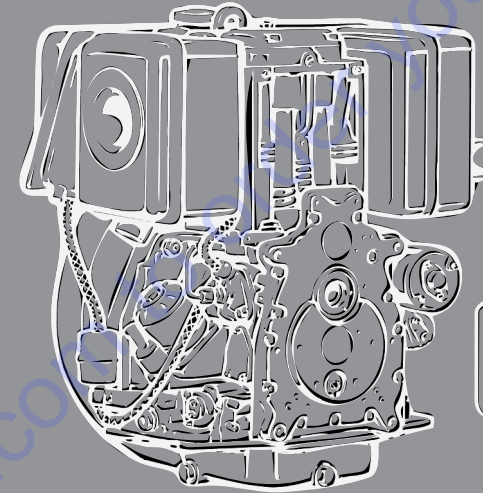




1D41. | 1D42. | 1D50. | 1D81. | 1D90.

**Original - spare parts**  
**Original - Ersatzteile**  
**Pièces de rechange d'origine**  
**Repuestos originales**  
**Pezzi di ricambio originali**  
**Hatz Service**

# PARTS FINDER

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**Original - spare parts**  
Original - Ersatzteile  
Pièces de rechange d'origine  
Repuestos originales  
Pezzi di ricambio originali

|   |                    |
|---|--------------------|
| ① | TYPE / SPEC. / FDT |
| ② | SERIAL NO.         |
| ③ | MIN <sup>-1</sup>  |

|                                                                                                                                                                                                                                            |         |            |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|--|
| + EMISSION CONTROL INFORMATION +                                                                                                                                                                                                           |         |            |  |
| MOTORENFABRIK HATZ KG · D-94099 RUHSTORF                                                                                                                                                                                                   |         |            |  |
| ENG. FAM. MADE IN GERMANY min <sup>3</sup> /h                                                                                                                                                                                              |         |            |  |
| TYPE / SPEC. / FDT                                                                                                                                                                                                                         |         |            |  |
| ①                                                                                                                                                                                                                                          |         |            |  |
| SERIAL NO.                                                                                                                                                                                                                                 |         | Liter / PV |  |
| ②                                                                                                                                                                                                                                          |         |            |  |
| MIN <sup>-1</sup>                                                                                                                                                                                                                          | NH / kW | BUILD DATE |  |
| ③                                                                                                                                                                                                                                          |         |            |  |
| This engine conforms to MY U.S. EPA regulations large nominal compression-ignition engines and MY California regulation for off-road compression-ignition engines. Refer to Owner's manual for maintenance specifications and adjustments. |         |            |  |
| EC-TYPE NO.                                                                                                                                                                                                                                |         |            |  |
|                                                                                                                                                                                                                                            |         |            |  |
| + CONSTANT-SPEED ONLY VARIABLE SPEED +                                                                                                                                                                                                     |         |            |  |

Spare parts list no./ Ersatzteilliste Nr./ Liste des pièces de rechange no./ Lista de repuestos No./ Lista ricambi n.

|                                                |                                  |                    |            |                   |                    |
|------------------------------------------------|----------------------------------|--------------------|------------|-------------------|--------------------|
| 1 D 41.22                                      | EPA TIER IV                      | □ (094 22 .. .. .) | 1 D 42.11  | EPA TIER IV       | □ (133 11 .. .. .) |
| 1 D 42.10                                      | EPA TIER IV final                | □ (155 10 .. .. .) | 1 D 42C.10 | EPA TIER IV final | □ (157 10 .. .. .) |
| 1 D 50.20                                      | EPA TIER IV                      | □ (109 20 .. .. .) | 1 D 50.10  | EPA TIER IV final | □ (156 10 .. .. .) |
| 1 D 81.27 EPA TIER IV final □ (073 27 .. .. .) |                                  |                    |            |                   |                    |
| 1 D 81.27                                      | EPA TIER IV final variable speed | □ (159 27 .. .. .) |            |                   |                    |
| 1 D 81C.27                                     | EPA TIER IV final variable speed | □ (160 27 .. .. .) |            |                   |                    |
| 1 D 81.27                                      | Min. load                        | □ (316 27 .. .. .) | 1 D 90.20  | EPA TIER IV final | □ (108 20 .. .. .) |

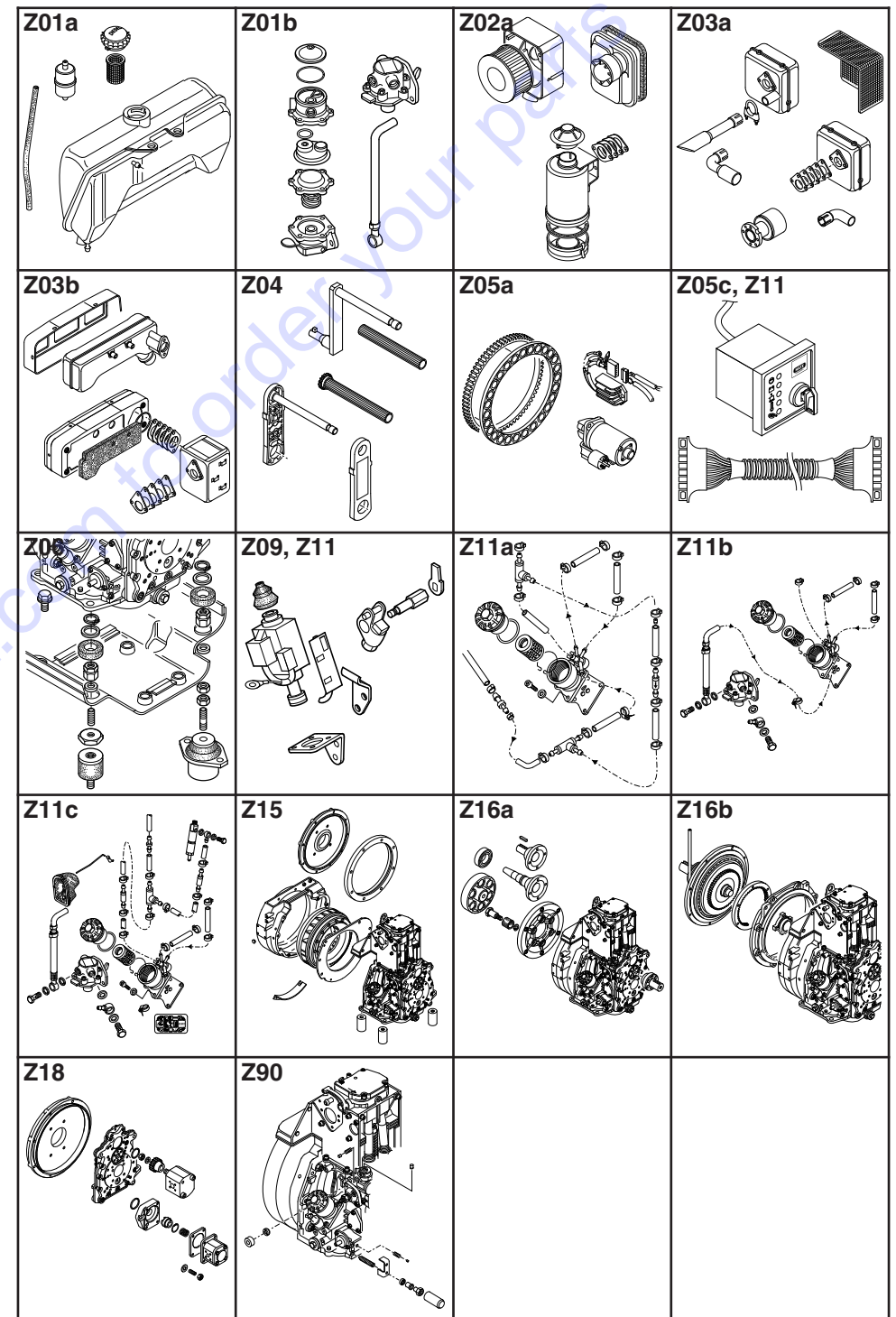
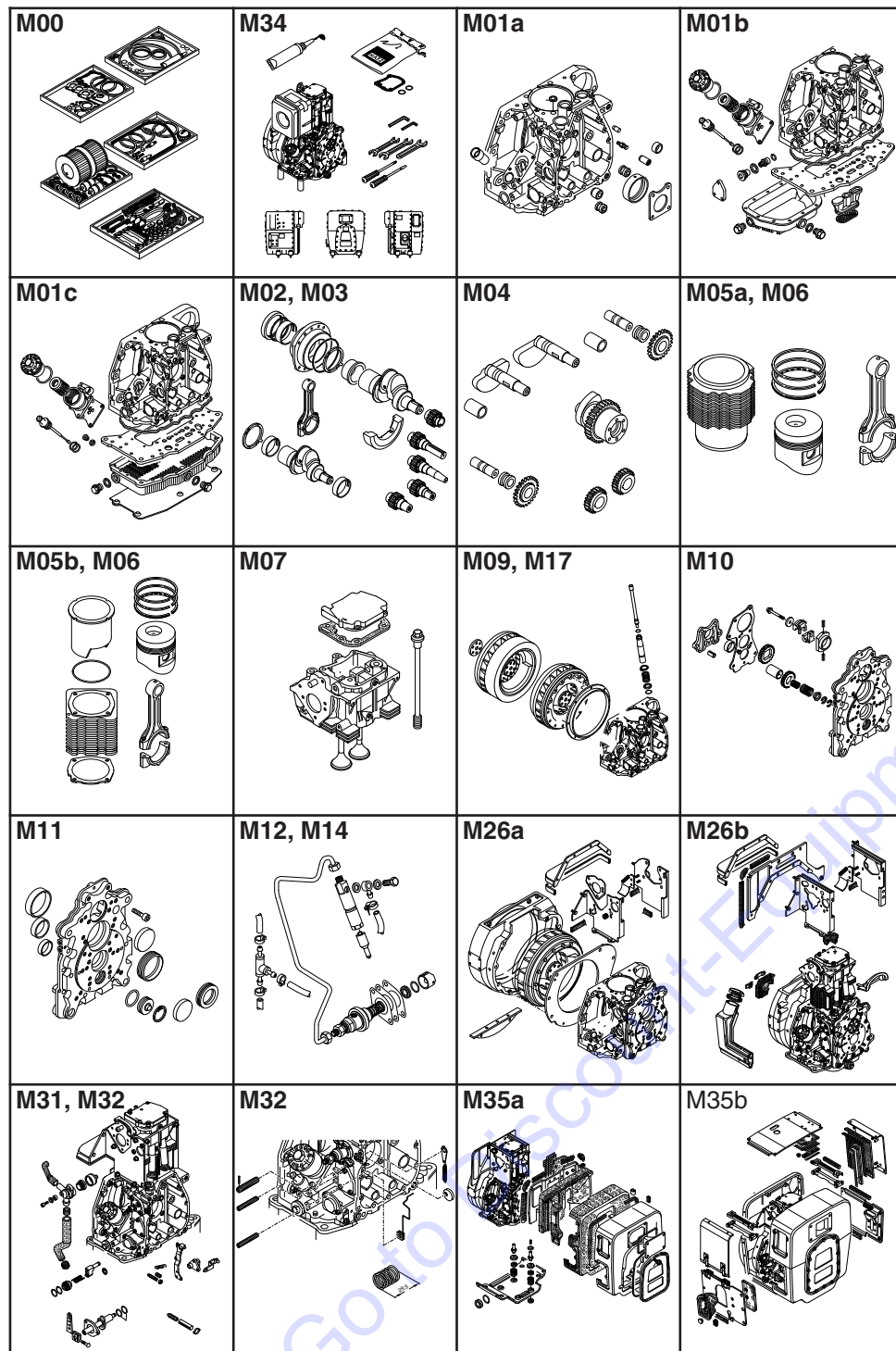
Example: / Beispiel: / Exemple: / Esempio: 133 11 14 123456

|                 |               |            |                      |
|-----------------|---------------|------------|----------------------|
| Engine type No. | Engine series | Prod. year | Consecutively number |
|-----------------|---------------|------------|----------------------|

Always have service work performed by qualified specialists. To this effect, we recommend that you consult one of the 500 **HATZ service stations**. There, your engine is repaired by staff who constantly undergo training and who use both **original HATZ spare parts** and **HATZ tools**. The installation of inappropriate spare parts may cause problems. We cannot accept any liability for damage or consequential damage resulting therefrom. Thus, we recommend that you use **original HATZ spare parts**. These parts are manufactured following the strict **HATZ** specifications and ensure, thanks to their perfect fit and function, maximum operating reliability.

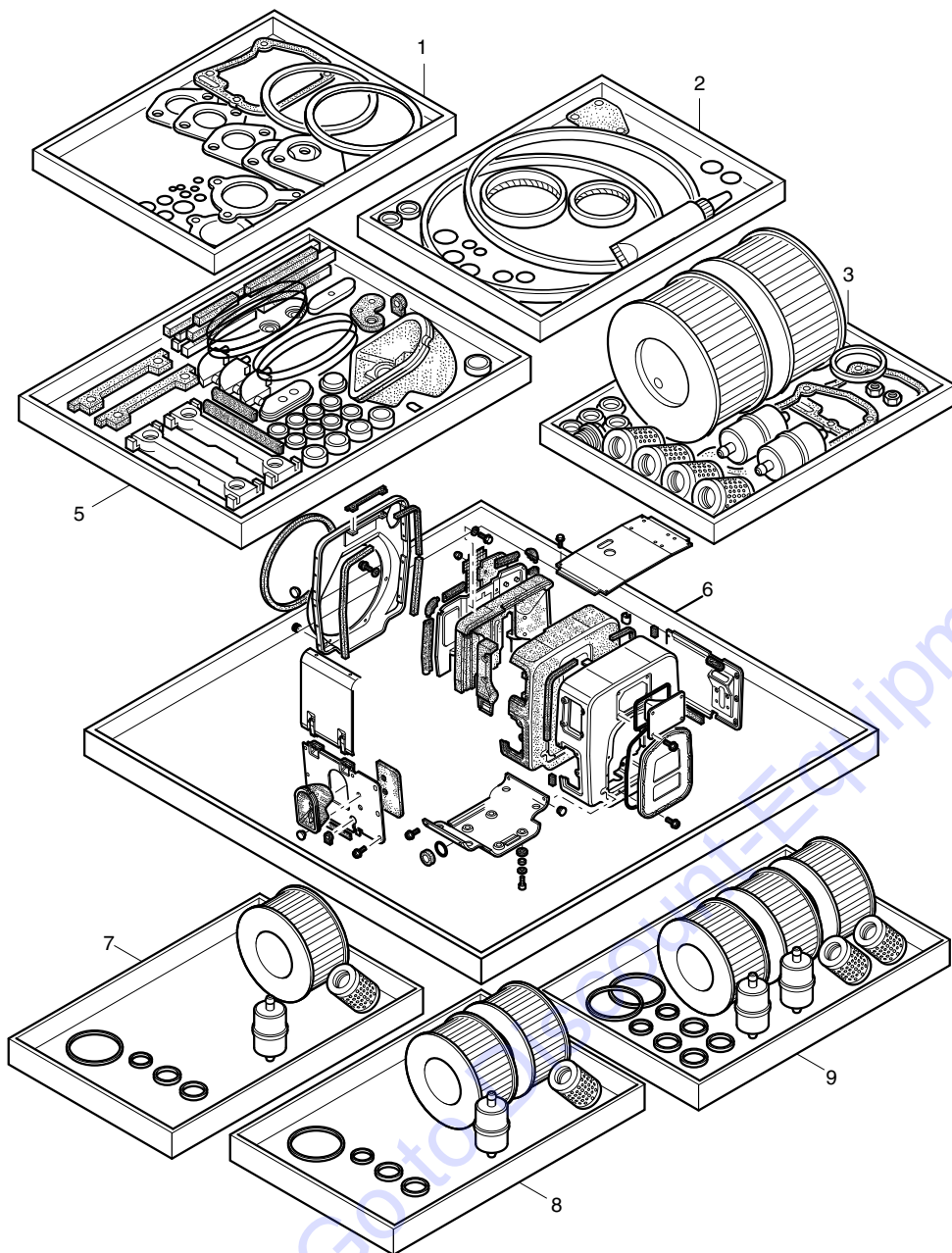
Lassen Sie Service-Arbeiten immer von qualifiziertem Fachpersonal durchführen. Wir empfehlen Ihnen hierfür eine von über 500 **HATZ-Servicestationen**. Dort wird Ihr Motor von laufend geschultem Personal, mit **Original HATZ-Ersatzteilen** und mit **HATZ-Werkzeug** instandgesetzt. Der Einbau von ungeeigneten Ersatzteilen kann zu Problemen führen. Für Schäden oder Folgeschäden, die daraus entstehen, können wir keine Haftung übernehmen. Wir empfehlen deshalb die Verwendung von **Original HATZ-Ersatzteilen**. Diese Teile sind nach den strengen **HATZ**-Spezifikationen gefertigt und sorgen durch ihre perfekte Passform und Funktion für höchste Betriebssicherheit.

Toujours faire effectuer les travaux de service après-vente par un personnel qualifié. Nous vous conseillons de contacter un des 500 **ateliers agréés HATZ**. Votre moteur y sera réparé par un personnel formé régulièrement et utilisant des **pièces de rechange d'origine HATZ** et l'**outillage HATZ**. Le montage de pièces de rechange adaptables peut entraîner des problèmes. Nous n'assumons aucune responsabilité pour des dommages directs ou indirects qui en découlent. Pour cette raison, nous vous recommandons l'utilisation des **pièces de rechange d'origine HATZ**. Ces pièces sont usinées selon les spécifications sévères **HATZ** et grâce à l'adaptation et le fonctionnement parfaits elles garantissent un maximum de sécurité de fonctionnement.



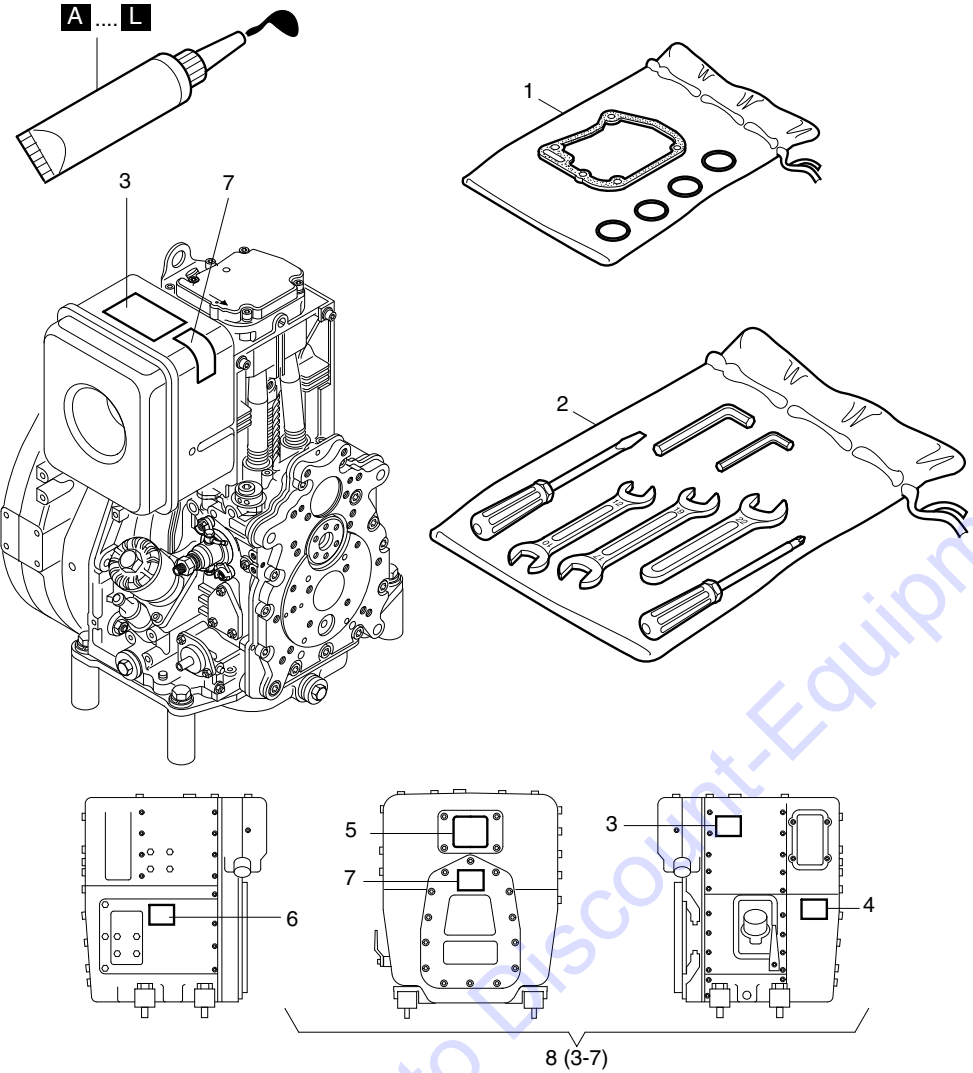


Spare parts kits  
Ersatzteilsätze  
Jeux de pièces de rechange  
Juegos de piezas de recambios  
Serie guarnizioni



| Fig.-<br>No.                                                                                                                                                                                                                       | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |       | W<br>d / D | Notes<br>Bemerkungen             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------|------|------|------|-------|------------|----------------------------------|
|                                                                                                                                                                                                                                    |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90  |            |                                  |
| W: Incl. in maintenance kit.<br>Im Wartungssatz enthalten.<br>Contenu dans le jeu d'entretien.<br>Incluido en el juego de mantenimiento.<br>Contenuto nella serie manutenzione.                                                    |                   |               |      |      |      |       |            |                                  |
| D: Incl. in gasket set crankcase.<br>Im Dichtungssatz Kurbelgeh.<br>Contenu dans le jeu de joints<br>carter moteur.<br>Incluido en el juego de juntas<br>caja cigueñal.<br>Contenuto nella serie guarnizioni<br>basamento.         |                   |               |      |      |      |       |            |                                  |
| d: Incl. in gasket set f. 1 cyl. head.<br>Im Dichtungssatz f. 1 Zyl.-Kopf enthalten.<br>Contenu dans le jeu de joint p. 1 culasse.<br>Incluido en el juego de juntas p. 1 culata.<br>Contenuto nella serie guarnizioni p. 1 testa. |                   |               |      |      |      |       |            |                                  |
| 1: Qty. per kit - Anzahl pro Satz<br>Quantite p. jeu - Cantidad p. juego.<br>Quantità per serie                                                                                                                                    |                   |               |      |      |      |       |            |                                  |
| 1                                                                                                                                                                                                                                  | 0000 015 051 02   | 1             | 1    | -    | -    | -     |            | Gasket set for 1 cyl. head       |
| 1                                                                                                                                                                                                                                  | 0000 022 628 01   | -             | -    | 1    | -    | -     |            | Dichtungssatz für 1 Zylinderkopf |
| 1                                                                                                                                                                                                                                  | 0000 015 178 02   | -             | -    | -    | 1    | 1     |            | Jeu de joint p. 1 culasse        |
| 1                                                                                                                                                                                                                                  | 0000 015 928 00   | -             | -    | -    | -    | -     |            | Juego de juntas para 1 culata    |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Serie guarnizioni per 1 testa    |
| 2                                                                                                                                                                                                                                  | 0000 012 798 03   | 1             | 1    | 1    | -    | -     |            | Gasket set for crankcase         |
| 2                                                                                                                                                                                                                                  | 0000 012 493 22   | -             | -    | -    | 1    | 1     |            | Dichtungssatz für Kurbelgehäuse  |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Jeu de joints p. carter moteur   |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Juego de juntas para caja        |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | cigüeñal                         |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Serie guarnizioni basamento      |
| 3                                                                                                                                                                                                                                  | 0000 012 799 10   | 1             | 1    | 1    | -    | -     |            | 1000 hours maintenance kit       |
| 3                                                                                                                                                                                                                                  | 0000 012 494 10   | -             | -    | -    | 1    | 1     |            | Wartungssatz für 1000 h          |
| 3                                                                                                                                                                                                                                  | 0000 012 929 10   | -             | -    | -    | 1    | 1 „C“ |            | Kit d'entretien 1000 heures -    |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Juego de piezas para servicio    |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | 1000 horas                       |
| 5                                                                                                                                                                                                                                  | 0000 015 021 00   | 1             | 1    | -    | -    | - „C“ |            | Rubber comp. set „C“             |
| 5                                                                                                                                                                                                                                  | 0000 014 879 01   | -             | -    | -    | 1    | 1 „C“ |            | Gummitelsatz                     |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Garniture caout.                 |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Guarnicion Goma.                 |
| 6                                                                                                                                                                                                                                  | 0000 023 255 00   | 1             | 1    | -    | -    | -     |            | Capsule repair kit               |
| 6                                                                                                                                                                                                                                  | 0000 019 420 00   | -             | -    | -    | 1    | 1     |            | Kapselreparaturatz               |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Lot rep. Capsule                 |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Lote rep. Cápsula                |
|                                                                                                                                                                                                                                    |                   |               |      |      |      |       |            | Serie rip. Confanatura silenz.   |
| 7                                                                                                                                                                                                                                  | 0000 022 652 00   | 1             | 1    | 1    | -    | -     |            | Filter program                   |
| 7                                                                                                                                                                                                                                  | 0000 022 653 00   | -             | -    | -    | 1    | 1     |            | Filterprogramm                   |
| 8                                                                                                                                                                                                                                  | 0000 022 684 00   | 1             | 1    | 1    | -    | -     |            | Progr. de filtr.                 |
| 8                                                                                                                                                                                                                                  | 0000 022 685 00   | -             | -    | -    | 1    | 1     |            | Progr. de filtros                |
| 9                                                                                                                                                                                                                                  | 0000 022 695 00   | 1             | 1    | 1    | -    | -     |            | Programma di filtro              |
| 9                                                                                                                                                                                                                                  | 0000 022 696 00   | -             | -    | -    | 1    | 1     |            |                                  |

Accessories  
Zubehör  
Accessoires  
Accessorios  
Kit accessori

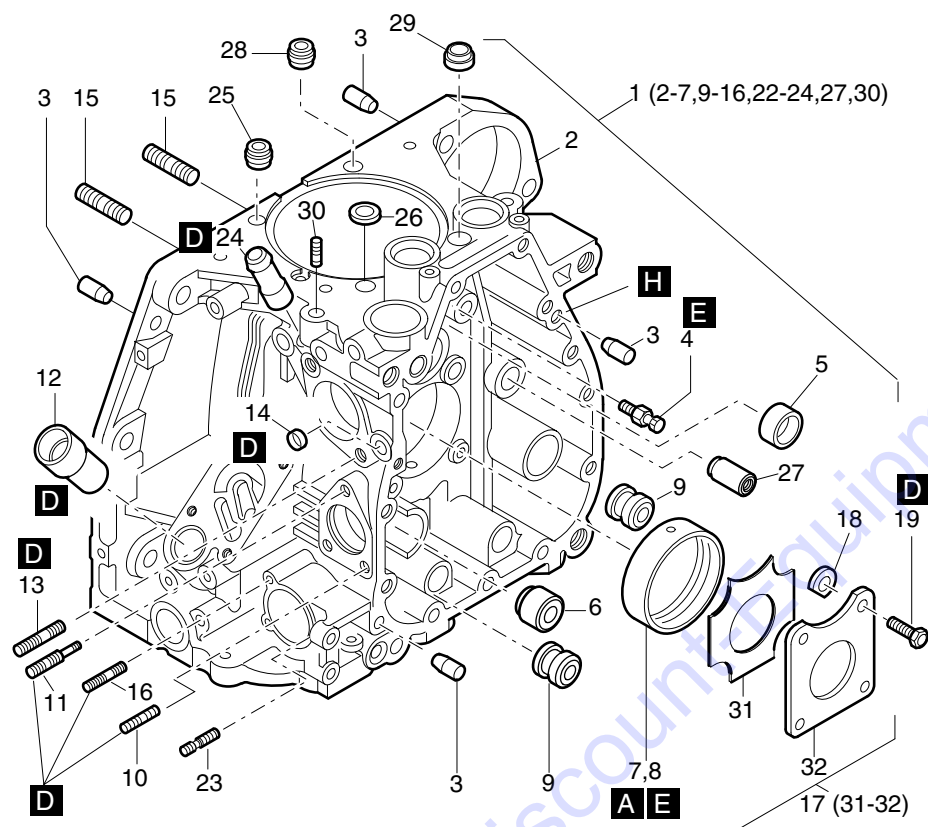


| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|-------------------|---------------|------|------|------|------|------------|-------------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                               |
| 1            | 0000 012 475 12   | 1             | 1    | 1    | 1    | 1    |            | Zubehörsatz - Accessories kit |
| 2            | 0000 012 476 00   | 1             | 1    | 1    | 1    | 1    |            |                               |
| 3            | 0000 040 483 05   | 1             | 1    | 1    | 1    | 1    |            |                               |
| 4            | 0000 036 144 02   | 1             | 1    | -    | 1    | -    |            | "C"                           |
| 5            | 0000 050 347 00   | 1             | 1    | -    | 1    | -    |            | "C"                           |
| 6            | 0000 036 144 02   | 1             | 1    | -    | 1    | -    |            | "C"                           |
| 7            | 0000 050 252 01   | 1             | 1    | 1    | 1    | 1    |            | Handstart, demarr. man.       |
| 8            | 0000 017 838 00   | 1             | 1    | 1    | 1    | 1    |            |                               |

| Sealing- and bonding adhesives<br>Dicht- und Klebstoffe<br>Etanchéifiant et Colle |                     |         | Materias para empaquetar y pegar<br>Adesivi e collanti                                 |  |
|-----------------------------------------------------------------------------------|---------------------|---------|----------------------------------------------------------------------------------------|--|
| A = 0000 502 230 01                                                               | Loctite Activator N | 500 ml  | as specified in the individual tables<br>siehe Hinweis auf den einzelnen<br>Bildtafeln |  |
| B = 0000 502 231 01                                                               | Loctite 574         | 50 ml   |                                                                                        |  |
| C = 0000 502 232 00                                                               | Loctite 601         | 50 ml   |                                                                                        |  |
| D = 0000 700 189 18                                                               | Loctite 243         | 50 ml   |                                                                                        |  |
| E = 0000 502 234 00                                                               | Loctite 648         | 10 ml   | suivant les remarques sur les<br>tableau correspondant                                 |  |
| F = 0000 502 238 00                                                               | Technicoll 8058     | 0,75 kg |                                                                                        |  |
| + 0000 502 239 00                                                                 | Technicoll 8367     | 0,75 kg |                                                                                        |  |
| G = 0000 502 565 01                                                               | Loctite IS 407      | 20 g    | según las indicaciones de las<br>tablas correspondientes                               |  |
| H = 0000 700 189 44                                                               | Silicon             | 310 ml  |                                                                                        |  |
| J = 0000 502 830 04                                                               | Hochtemp. Paste     | 100 ml  |                                                                                        |  |
| K = 0000 503 426 01                                                               | Hochtemp. Fett      | 400 g   | seguire le indicazioni sul<br>quadro corrispondente                                    |  |
| L = 0000 502 566 00                                                               | Silicon sealer      | 100 g   |                                                                                        |  |
| M = 0000 504 851 00                                                               | Schleifpaste        | 80 g    |                                                                                        |  |

# M01a

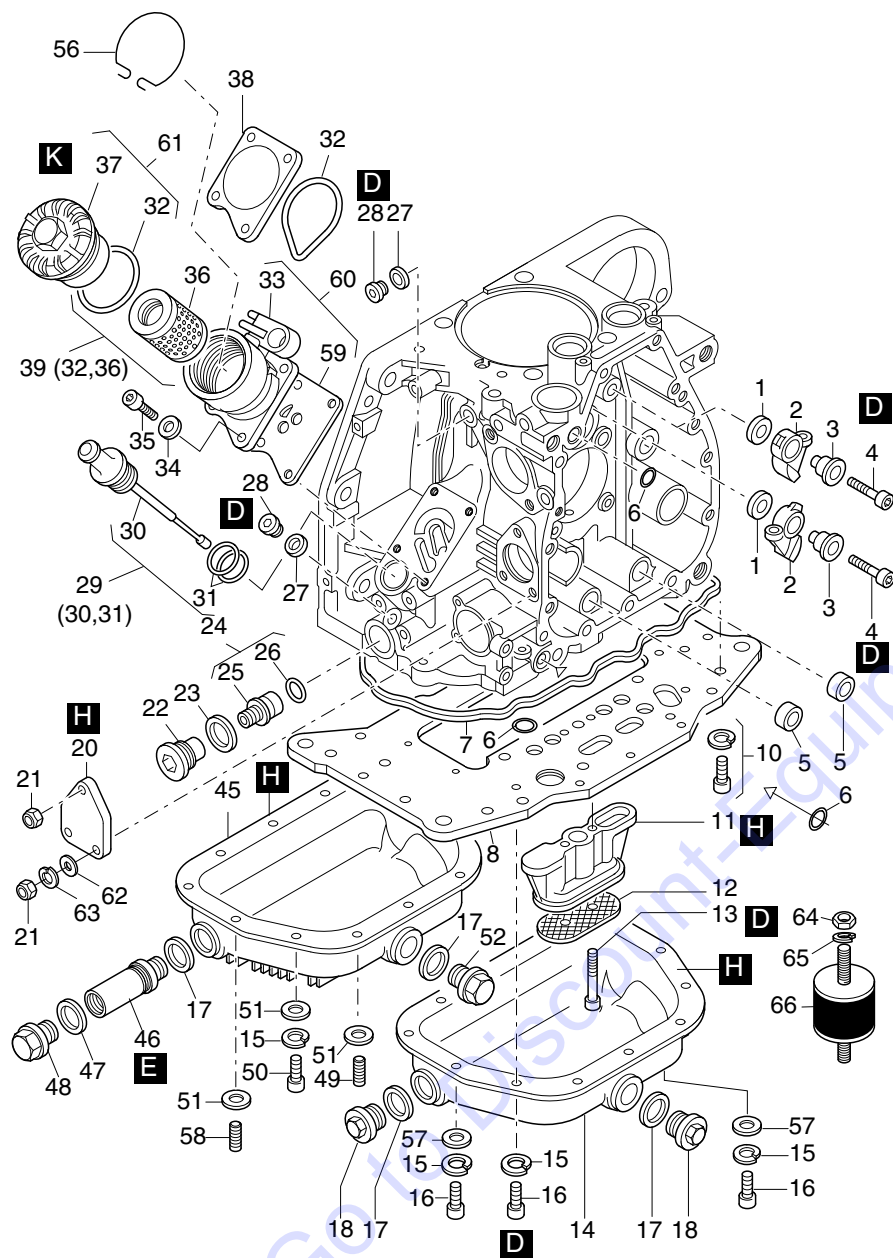
Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |        |        |        |        | W<br>d / D | Notes<br>Bemerkungen         |
|--------------|------------------------|---------------|--------|--------|--------|--------|------------|------------------------------|
|              |                        | 1D41          | 1D42   | 1D50   | 1D81   | 1D90   |            |                              |
| 1            | 0000 <b>012 702 60</b> | 1             | 1      | -      | -      | -      |            |                              |
| 1            | 0000 <b>016 449 10</b> | -             | -      | 1      | -      | -      |            |                              |
| 1            | 0000 <b>012 490 70</b> | -             | -      | -      | 1      | 1      |            |                              |
| 2            | -----                  | -             | -      | -      | -      | -      |            |                              |
| 3            | 0000 <b>502 491 02</b> | 4             | 4      | 4      | 4      | 4      |            | 8 M 6 x 20 2-Fasen           |
| 4            | 0000 <b>040 226 02</b> | 1             | 1      | 1      | -      | -      |            |                              |
| 4            | 0000 <b>037 939 00</b> | -             | -      | -      | 1      | 1      |            |                              |
| 5            | 0000 <b>037 938 01</b> | 1             | 1      | 1      | 1      | 1      |            |                              |
| 6            | 0000 <b>040 227 00</b> | 0... 1        | 0... 1 | 0... 1 | -      | -      |            | ø 25 mm "S"                  |
| 6            | 0000 <b>037 940 00</b> | -             | -      | -      | 0... 1 | 0... 1 |            | ø 22 mm "S"                  |
| 7            | 0000 <b>040 225 01</b> | 1             | 1      | 1      | -      | -      |            |                              |
| 7            | 0000 <b>037 937 00</b> | -             | -      | -      | 1      | 1      |            |                              |
| 8            | 0000 <b>040 488 00</b> | 1             | 1      | 1      | -      | -      |            | - 0,5 mm                     |
| 8            | 0000 <b>040 337 00</b> | -             | -      | -      | 1      | 1      |            | - 0,5 mm                     |
| 9            | 0000 <b>040 236 00</b> | 1... 2        | 1... 2 | 1... 2 | -      | -      |            | ø 25 mm s.Grp. Z01b Pos4     |
| 9            | 0000 <b>040 008 00</b> | -             | -      | -      | 1... 2 | 1... 2 |            | ø 22 mm s.Grp. Z01b Pos4     |
| 10           | 0000 <b>501 443 00</b> | 2             | 2      | 2      | 2      | 2      |            | M 6 x 16 DIN 835 - 8.8 A3C   |
| 11           | 0000 <b>037 945 10</b> | 1             | 1      | 1      | 1      | 1      |            |                              |
| 12           | 0000 <b>037 948 00</b> | 1             | 1      | 1      | 1      | 1      |            |                              |
| 13           | 0000 <b>506 012 00</b> | 2             | 2      | 2      | 2      | 2      |            | M 8 x 25 DIN 835-10.9 A3B    |
| 14           | 0000 <b>503 255 00</b> | 1             | 1      | 1      | 1      | 1      |            | 10 DIN 443-St A3C            |
| 15           | 0000 <b>506 029 01</b> | 8             | 8      | 8      | 8      | 8      |            | M 8 x 22 DIN 835-10.9        |
| 16           | 0000 <b>503 282 00</b> | 2             | 2      | 2      | 2      | 2      |            | M 6 x 22 DIN 835 - 8.8 A3C   |
| 17           | 0000 <b>022 280 00</b> | 1             | 1      | 1      | 1      | 1      |            |                              |
| 18           | 0000 <b>040 695 00</b> | 0... 4        | 0... 4 | 0... 4 | 0... 4 | 0... 4 |            | 1,05 mm Axialspiel 0,1-0,4mm |
| 18           | 0000 <b>040 696 00</b> | 0... 4        | 0... 4 | 0... 4 | 0... 4 | 0... 4 |            | 1,20 mm End play 0,1-0,4mm   |
| 19           | 0000 <b>040 620 10</b> | 4             | 4      | 4      | 4      | 4      |            | M 9 x28                      |
| 23           | 0000 <b>503 282 00</b> | 1             | 1      | 1      | 1      | 1      |            | M 6 x 22 DIN 835 - 8.8 A3C   |
| 24           | -----                  | -             | -      | -      | -      | -      |            |                              |
| 25           | 0000 <b>504 584 00</b> | 2             | 2      | -      | -      | -      |            | d2                           |
| 26           | 0000 <b>503 920 00</b> | 2             | 2      | -      | -      | -      |            | d2                           |
| 26           | 0000 <b>042 192 00</b> | -             | -      | 0... 2 | -      | -      |            | 14 x 10 x 2,5                |
| 26           | 0000 <b>042 193 00</b> | -             | -      | 0... 2 | -      | -      |            | 14 x 10 x 3,0                |
| 27           | 0000 <b>041 050 00</b> | 1             | 1      | 1      | 1      | 1      |            | ø 15 mm "S"                  |
| 28           | 0000 <b>504 598 00</b> | -             | -      | -      | 2      | 2      |            |                              |
| 29           | 0000 <b>040 845 00</b> | -             | -      | -      | 2      | 2      |            | d2                           |
| 30           | 0000 <b>502 624 00</b> | 0... 1        | 0... 1 | 0... 1 | -      | -      |            | M 6 x 10 DIN 916 TUF360G     |
| 31           | -----                  | -             | -      | -      | -      | -      |            |                              |
| 32           | -----                  | -             | -      | -      | -      | -      |            |                              |

# M01b

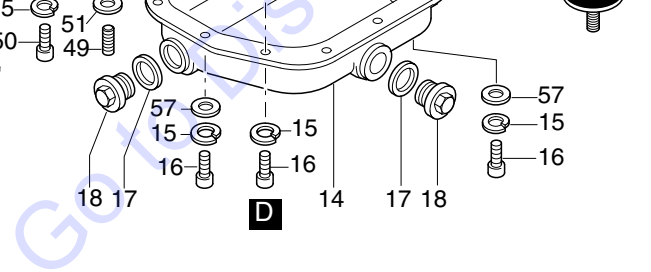
Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |        |        |        | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|-------------------|---------------|--------|--------|--------|------------|-------------------------------|
|              |                   | 1D41          | 1D42   | 1D81   | 1D90   |            |                               |
| 1            | 0000 037 941 00   | 2             | 2      | 2      | 2      |            | 10,1 x 22 x 3                 |
| 2            | 0000 037 943 00   | 2             | 2      | 2      | 2      |            |                               |
| 3            | 0000 037 942 01   | 2             | 2      | 2      | 2      |            |                               |
| 4            | 0000 505 455 01   | 2             | 2      | 2      | 2      |            | M 6 x 30 DIN 912-10.9 KL 360  |
| 5            | 0000 037 958 00   | 2             | 2      | 2      | 2      |            | D2 12 x 18,3 x 7,3            |
| 6            | 0000 503 290 00   | 3             | 3      | 3      | 3      |            | D3 9,5 x 2,5                  |
| 7            | 0000 037 951 00   | 1             | 1      | 1      | 1      |            | D1 265 x 269,4 x 3,6          |
| 8            | 0000 012 703 00   | 1             | 1      | -      | -      |            |                               |
| 8            | 0000 012 488 10   | -             | -      | 1      | 1      |            |                               |
| 10           | 0000 504 176 00   | 22            | 22     | 22     | 22     |            | M 8 x 25 Z4 DIN 912-8.8 A3C   |
| 11           | 0000 040 233 00   | 1             | 1      | -      | -      |            |                               |
| 11           | 0000 037 949 00   | -             | -      | 1      | 1      |            |                               |
| 12           | 0000 037 950 00   | 1             | 1      | 1      | 1      |            |                               |
| 13           | 0000 500 511 00   | 2             | 2      | -      | -      |            | M 6 x 30 DIN 6912-8.8         |
| 13           | 0000 503 271 00   | -             | -      | 2      | 2      |            | M 6 x 50 DIN 6912-8.8 A3C     |
| 14           | 0000 012 554 10   | 1             | 1      | -      | -      |            |                               |
| 14           | 0000 012 417 00   | -             | -      | 1      | 1      |            | "S, Z"                        |
| 15           | 0000 501 709 00   | 12            | 12     | 12     | 12     |            | 6 DIN 128 - A3C               |
| 16           | 0000 503 291 00   | 12            | 12     | 12     | 12     |            | M 6x10 DIN 912-8.8 Inbus Plus |
| 17           | 0000 500 016 00   | 2             | 2      | 2      | 2      | D2,W4      | A 22 x 27 DIN 7603 Cu         |
| 18           | 0000 503 731 00   | 0... 2        | 0... 2 | 0... 2 | 0... 2 |            | AM22x1,5DIN7604A3C MAGN.      |
| 18           | 0000 501 404 00   | 0... 2        | 0... 2 | 0... 2 | 0... 2 |            | AM22x1,5DIN7604-5.8A3C "C"    |
| 20           | 0000 037 947 01   | 1             | 1      | 1      | 1      |            |                               |
| 21           | 0000 503 283 00   | 3             | 3      | 3      | 3      |            | VM 6 DIN 980-8 A3C            |
| 22           | 0000 013 212 00   | 1             | 1      | 1      | 1      |            | M 24 x 1,5                    |
| 23           | 0000 502 864 00   | 1             | 1      | 1      | 1      | D1         | A 24 x 29 DIN 7603-Cu         |
| 24           | 0000 013 211 00   | 1             | -      | 1      | 1      |            |                               |
| 24           | 0000 020 157 01   | -             | 1      | -      | -      |            |                               |
| 25           | -----             | -             | -      | -      | -      |            |                               |
| 26           | 0000 504 604 00   | 1             | 1      | 1      | 1      | D1         | 18 x 2                        |
| 27           | 0000 500 624 00   | 2             | 2      | 2      | 2      | D2         | A 10 x 13,5 DIN 7603-Cu       |
| 28           | 0000 500 623 00   | 2             | 2      | 2      | 2      |            | M 10 x 1 DIN 908-5.8 A3C      |
| 29           | 0000 012 552 00   | 1             | 1      | -      | -      |            |                               |
| 29           | 0000 012 415 00   | -             | -      | 1      | 1      |            |                               |
| 30           | -----             | -             | -      | -      | -      |            |                               |
| 31           | 0000 503 597 00   | 2             | 2      | 2      | 2      | D2         | 20,29 x 2,62                  |
| 32           | 0000 503 292 00   | 2             | 2      | 2      | 2      | D2,W1      | 50 x 55 x 3                   |
| 33           | -----             | -             | -      | -      | -      |            |                               |
| 34           | 0000 500 812 00   | 4             | 4      | 4      | 4      |            | A 6 DIN 137 - A3C             |
| 35           | 0000 501 706 00   | 4             | 4      | 4      | 4      |            | M 6 x 20 DIN 912-8.8A3C       |
| 36           | -----             | -             | -      | -      | -      |            |                               |
| 37           | -----             | -             | -      | -      | -      |            |                               |
| 38           | 0000 040 334 01   | 1             | 1      | 1      | 1      |            |                               |
| 39           | 0000 014 800 01   | 1             | 1      | 1      | 1      | W4         |                               |
| 45           | 0000 040 458 00   | -             | -      | 1      | 1      | "C"        |                               |



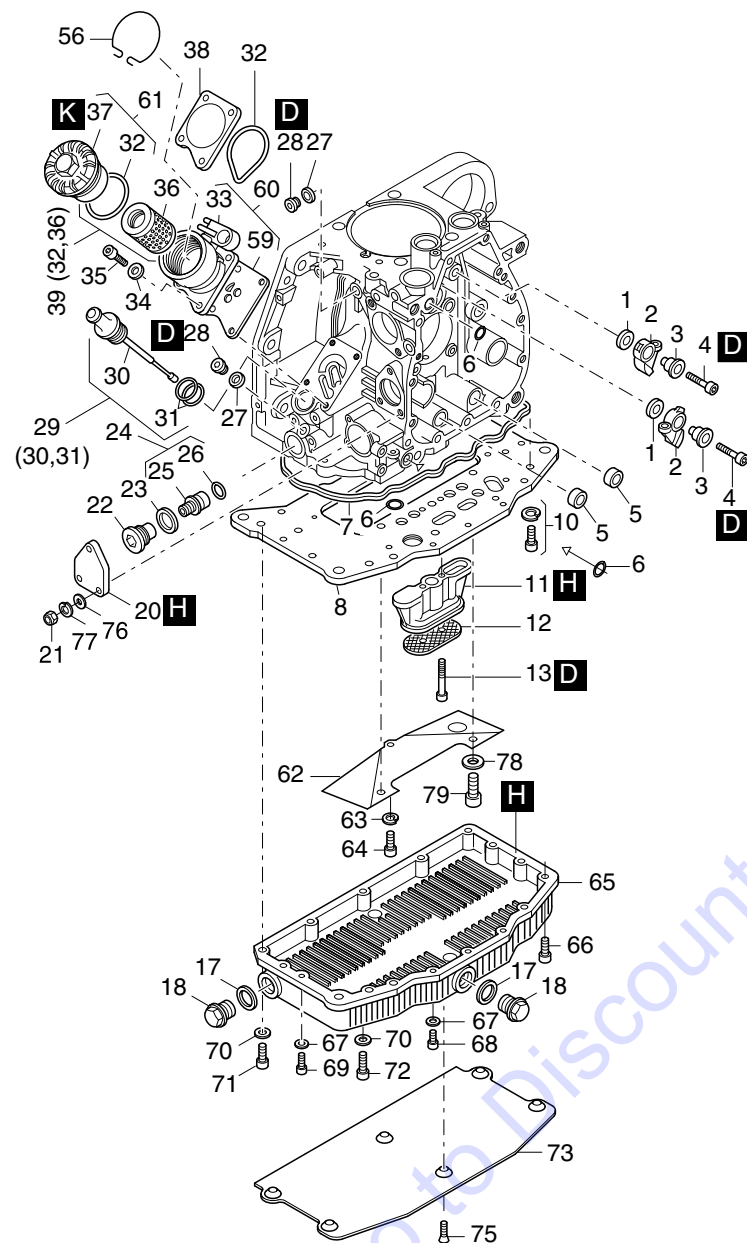
Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore



66 0000 **502 678 00** - - 4 -

# M01c

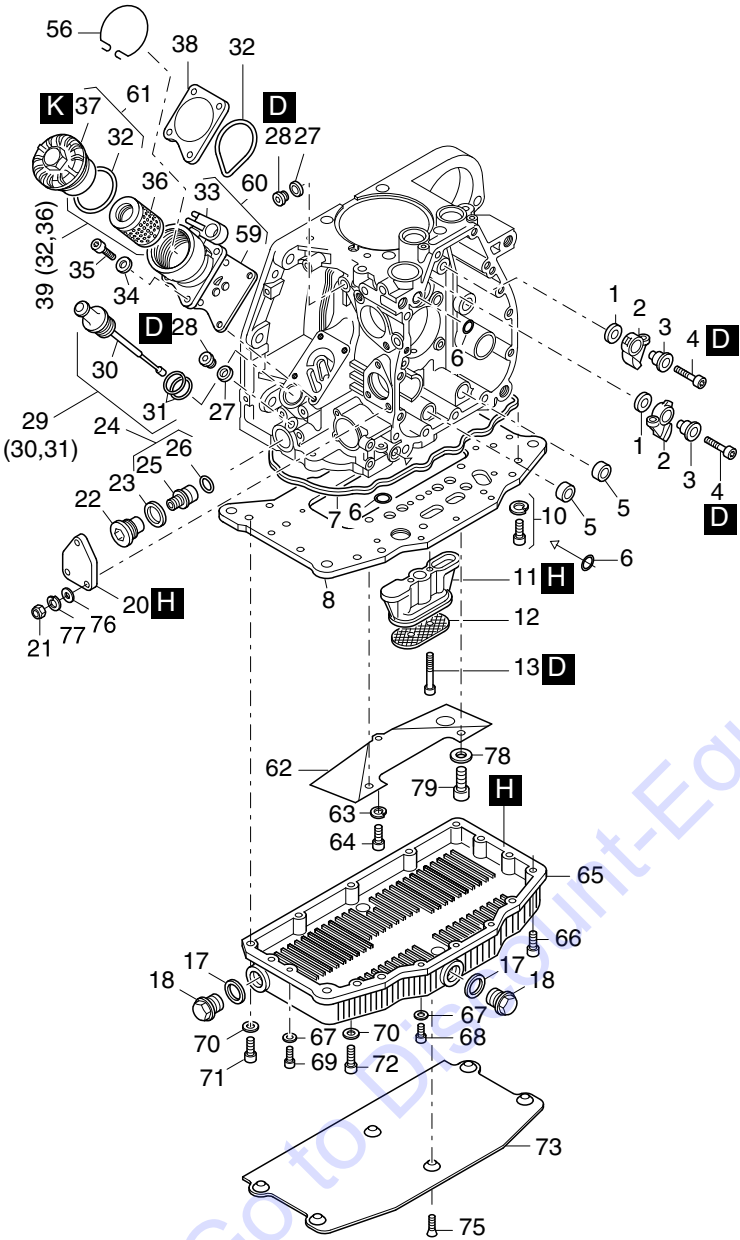
Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen           |
|--------------|-------------------|---------------|------------|--------------------------------|
|              |                   | 1050          |            |                                |
| 1            | 0000 037 941 00   | 2             |            | 10,1 x 22 x 3                  |
| 2            | 0000 037 943 00   | 2             |            |                                |
| 3            | 0000 037 942 01   | 2             |            |                                |
| 4            | 0000 505 454 01   | 2             |            | M 6 x 25 DIN 912 - 10.9 KL 360 |
| 5            | 0000 037 958 00   | 2             |            | D1 12 x 18,3 x 7,3             |
| 6            | 0000 503 290 00   | 3             |            | D3 9,5 x 2,5                   |
| 7            | 0000 037 951 00   | 1             |            | D1 265 x 269,4 x 3,6           |
| 8            | 0000 016 445 00   | 1             |            |                                |
| 10           | 0000 504 176 00   | 10            |            | M 8 x 25 Z4 DIN 912-8.8 A3C    |
| 11           | 0000 040 233 00   | 1             |            |                                |
| 12           | 0000 037 950 00   | 1             |            |                                |
| 13           | 0000 500 511 00   | 2             |            | M 6 x 30 DIN 6912-8.8          |
| 17           | 0000 504 591 00   | 2             |            | D2,W4 A 22 x 27 DIN 7603-AI    |
| 18           | 0000 503 731 00   | 0... 2        |            | W1 AM22x1,5DIN7604A3C MAGN.    |
| 18           | 0000 501 404 00   | 0... 2        |            | AM22x1,5DIN7604-5.8A3C         |
| 20           | 0000 037 947 01   | 1             |            |                                |
| 21           | 0000 503 283 00   | 3             |            | VM 6 DIN 980-8 A3C             |
| 22           | 0000 013 212 00   | 1             |            | M 24 x 1,5                     |
| 23           | 0000 502 864 00   | 1             |            | D1 A 24 x 29 DIN 7603-Cu       |
| 24           | 0000 020 157 01   | 1             |            |                                |
| 25           | -----             | -             |            |                                |
| 26           | 0000 504 604 00   | 1             |            | D1 18 x 2                      |
| 27           | 0000 500 624 00   | 2             |            | D2 A 10 x 13,5 DIN 7603-Cu     |
| 28           | 0000 500 623 00   | 2             |            | M 10 x 1 DIN 908-5.8 A3C       |
| 29           | 0000 012 552 00   | 1             |            |                                |
| 30           | -----             | -             |            |                                |
| 31           | 0000 503 597 00   | 2             |            | D2 20,29 x 2,62                |
| 32           | 0000 503 292 00   | 2             |            | D2,W1 50 x 55 x 3              |
| 33           | -----             | -             |            |                                |
| 34           | 0000 500 812 00   | 4             |            | A 6 DIN 137 - A3C              |
| 35           | 0000 501 706 00   | 4             |            | M 6 x 20 DIN 912-8.8A3C        |
| 36           | -----             | -             |            |                                |
| 37           | -----             | -             |            |                                |
| 38           | 0000 040 334 01   | 1             |            |                                |
| 39           | 0000 014 800 01   | 1             |            |                                |
| 56           | 0000 040 840 01   | 1             |            |                                |
| 59           | 0000 050 689 00   | 1             |            |                                |
| 60           | 0000 013 183 00   | 1             |            |                                |
| 61           | 0000 012 489 01   | 1             |            |                                |
| 62           | 0000 041 346 00   | 1             |            |                                |
| 63           | 0000 501 709 00   | 1             |            | 6 DIN 128 - A3C                |
| 64           | 0000 503 291 00   | 1             |            | M 6x10 DIN 912-8.8 Inbus Plus  |
| 65           | 0000 041 341 10   | 1             |            |                                |
| 66           | 0000 504 174 00   | 7             |            | M 8 x 30 DIN 912-8.8 A3C/6900  |
| 67           | 0000 501 445 00   | 4             |            | 6,4 DIN 125-St A3C             |

M01c

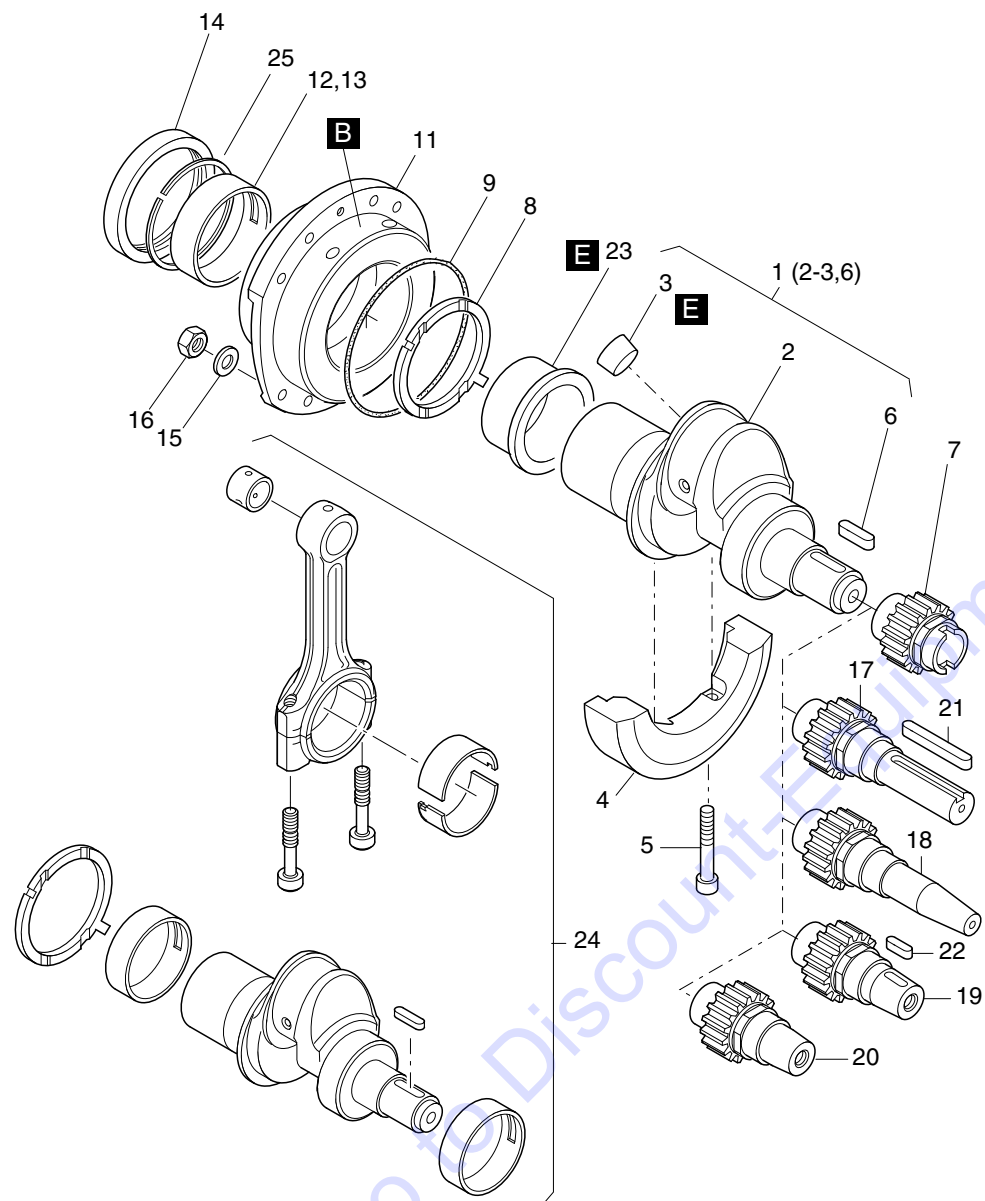
Crankcase  
Kurbelgehäuse  
Carter moteur  
Caja cigueñal  
Basamento motore



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|---------------|------------|---------------------------------|
|              |                   | 1050          |            |                                 |
| 68           | 0000 504 597 00   | 3             |            | M 6 x 25 DIN 912-8.8 A3C Tuf.   |
| 69           | 0000 504 742 00   | 1             |            | M6x16 DIN912-8.8 A3C Tuf.360    |
| 70           | 0000 504 224 00   | 5             |            | 8 x 14 x 1,0 DIN 988            |
| 71           | 0000 501 759 00   | 4             |            | M 8 x 30 DIN 912-8.8A3C         |
| 72           | 0000 501 775 00   | 1             |            | M 8 x 40 DIN 912-8.8A3C         |
| 73           | 0000 041 623 00   | 1             |            |                                 |
| 75           | 0000 504 355 00   | 6             |            | M 5 x 12 DIN 7991-8.8 A3C       |
| 76           | 0000 501 445 00   | 2             |            | 6,4 DIN 125-St A3C              |
| 77           | 0000 501 709 00   | 2             |            | 6 DIN 128 - A3C                 |
| 78           | 0000 040 543 00   | 2             |            | 8,4 x 21 x 3                    |
| 79           | 0000 504 502 00   | 2             |            | M 8 x 25 DIN 912 - 8.8 A3C Tuf. |

# M02, M03

Crankshaft, bearing flange  
Kurbelwelle, Lagerflansch  
Vilebrequin, palier  
Cigüeñal, brida de cojinete  
Albero a gomito, supporto

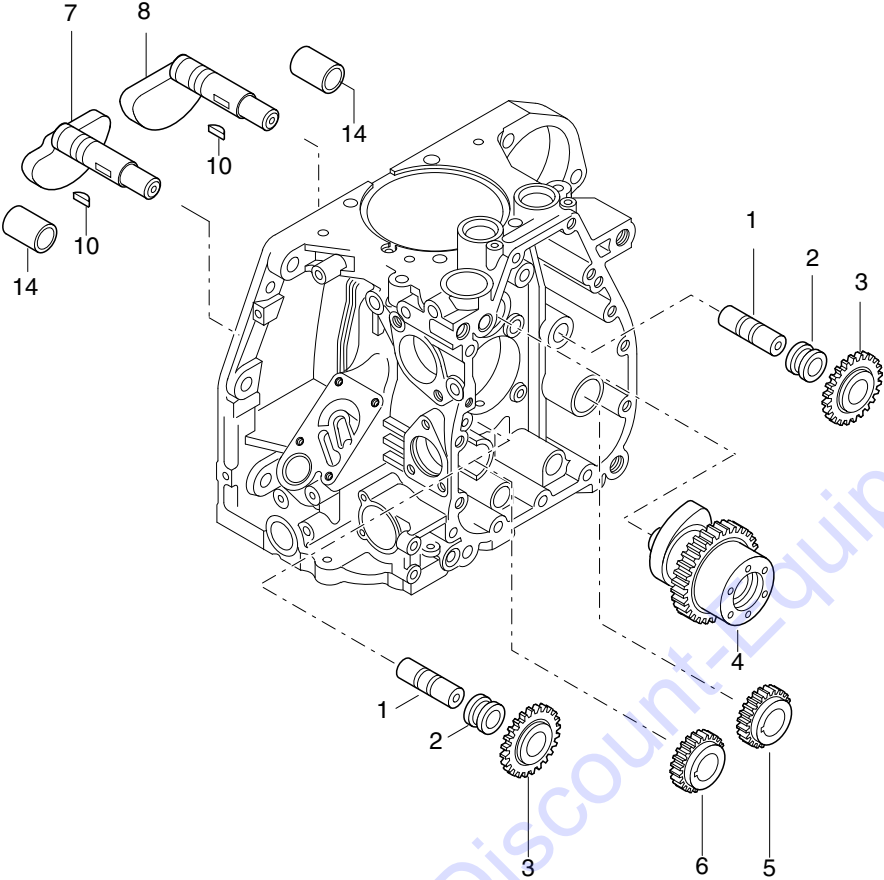


| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |        |        | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------|------|--------|--------|------------|-----------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81   | 1D90   |            |                             |
| 1            | 0000 012 699 10   | 1             | -    | -    | -      | -      |            |                             |
| 1            | 0000 013 372 10   | -             | 1    | 1    | -      | -      |            |                             |
| 1            | 0000 012 698 20   | -             | -    | -    | 1      | 1      |            |                             |
| 2            | -----             | -             | -    | -    | -      | -      |            |                             |
| 3            | 0000 503 458 00   | 1             | 1    | 1    | -      | -      |            | 22 DIN 443                  |
| 3            | 0000 500 872 00   | -             | -    | -    | 1      | 1      |            | 28 DIN 443                  |
| 4            | 0000 040 235 02   | 1             | 1    | 1    | -      | -      |            |                             |
| 4            | 0000 037 960 00   | -             | -    | -    | 1      | 1      |            |                             |
| 5            | 0000 501 279 01   | 2             | 2    | 2    | -      | -      |            | M 8 x 40 DIN 912-12.9       |
| 5            | 0000 500 550 01   | -             | -    | -    | 2      | 2      |            | M10 x 50 DIN 912-12.9       |
| 6            | 0000 503 626 00   | 1             | 1    | 1    | 1      | 1      |            | A 6 x 4 x 32 DIN 6885 St 60 |
| 7            | 0000 037 961 20   | 1             | 1    | 1    | 1      | 1      |            |                             |
| 8            | 0000 040 246 00   | 1             | 1    | 1    | -      | -      |            |                             |
| 8            | 0000 040 006 00   | -             | -    | -    | 1      | 1      |            |                             |
| 9            | 0000 503 497 00   | 1             | 1    | 1    | -      | -      |            | D1 100 x 2,5                |
| 9            | 0000 502 249 00   | -             | -    | -    | 1      | 1      |            | D1 123 x 2,5                |
| 11           | 0000 041 363 00   | 1             | 1    | 1    | -      | -      |            |                             |
| 11           | 0000 040 642 10   | -             | -    | -    | 1      | 1      |            |                             |
| 12           | 0000 040 245 00   | 1             | 1    | 1    | -      | -      |            |                             |
| 12           | 0000 040 068 00   | -             | -    | -    | 1      | 1      |            |                             |
| 13           | 0000 040 487 00   | 1             | 1    | 1    | -      | -      |            | - 0,5 mm                    |
| 13           | 0000 040 361 00   | -             | -    | -    | 1      | 1      |            | - 0,5 mm                    |
| 14           | 0000 503 681 01   | 1             | 1    | 1    | -      | -      |            | D1 52 x 80 x 10             |
| 14           | 0000 503 627 01   | -             | -    | -    | 1      | 1      |            | D1 62 x 90 x 10             |
| 15           | 0000 504 136 00   | 8             | 8    | 8    | 8      | 8      |            | 8,4 300 HV DIN 125A-A3C     |
| 16           | 0000 503 643 00   | 8             | 8    | 8    | 8      | 8      |            | M 8 DIN 934 - 10.9 A3C      |
| 17           | 0000 040 231 21   | 1             | 1    | 1    | 1      | 1      |            | SAE ...2 ø 1" zyl., cyl.    |
| 18           | 0000 014 855 00   | 1             | 1    | 1    | 1      | 1      |            | SAE ...4 ø 1" keg.          |
| 19           | 0000 040 229 10   | 1             | 1    | 1    | 1      | 1      |            | ITAL. ...3 ø 30 mm tap.     |
| 20           | 0000 050 332 00   | 1             | 1    | 1    | -      | -      |            | ITAL. ...6 ø 23 mm con.     |
| 21           | 0000 051 416 00   | 1             | 1    | 1    | 1      | 1      |            | A 6,35 x 61                 |
| 22           | 0000 500 178 00   | 1             | 1    | 1    | 1      | 1      |            | 4 x 6,5 DIN 6888            |
| 23           | 0000 504 144 00   | -             | -    | -    | 0... 1 | 0... 1 |            |                             |
| 24           | 0000 015 119 10   | 1             | -    | -    | -      | -      |            | 1D30 - 1D41 Rep.-Satz KW    |
| 24           | 0000 019 214 00   | -             | 1    | 1    | -      | -      |            | 1D42, 1D50                  |
| 24           | 0000 015 120 10   | -             | -    | -    | 1      | 1      |            | 1D60 - 1D90 Rep.-kits ckrs. |
| 25           | 0000 504 580 00   | 1             | 1    | 1    | -      | -      |            | SB 60                       |



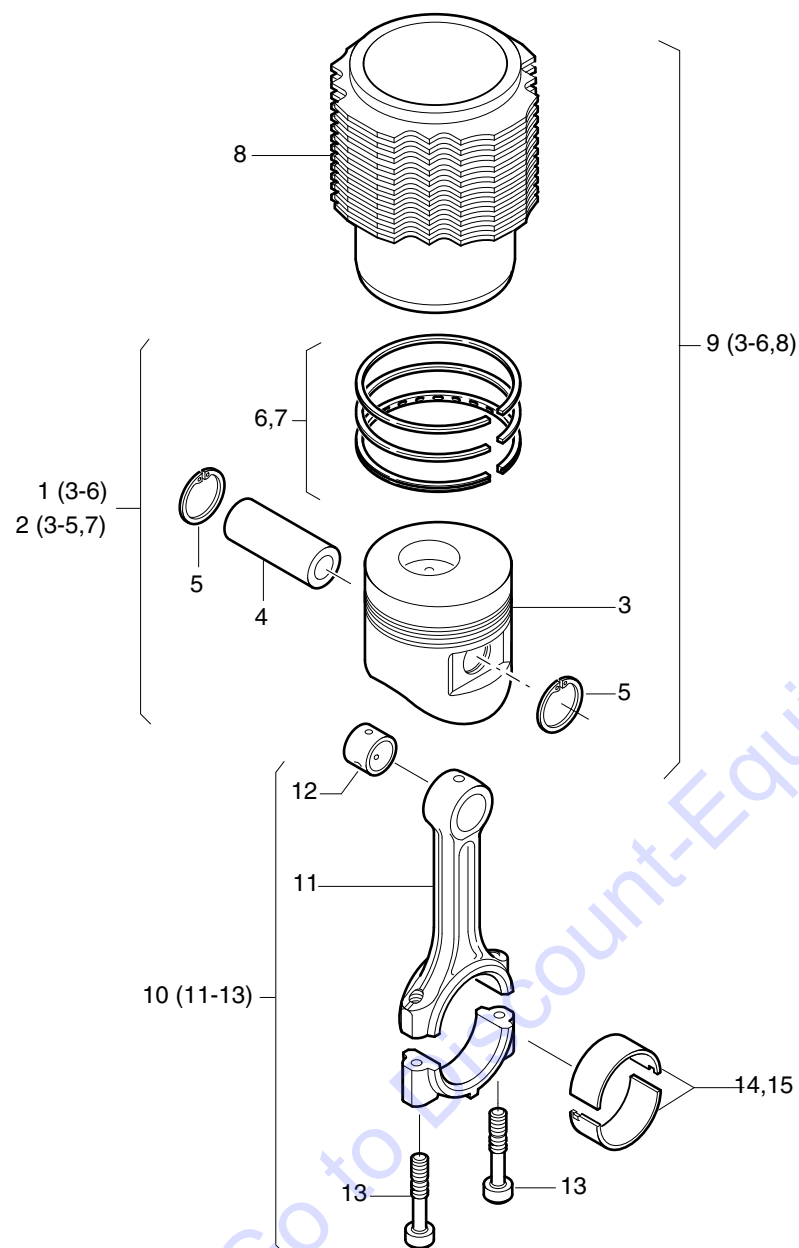
Camshaft, Compensation of masses  
Nockenwelle, Massenausgleich  
Arbre à cames, équilibrage  
Arbol de levas, compensación de las masas  
Albero a camme, masse equilibratura

| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |        |        |        |        | W<br>d / D | Notes<br>Bemerkungen       |
|--------------|-------------------|---------------|--------|--------|--------|--------|------------|----------------------------|
|              |                   | 1D41          | 1D42   | 1D50   | 1D81   | 1D90   |            |                            |
| 1            | 0000 037 964 01   | 2             | 2      | 2      | 2      | 2      |            | Z,C                        |
| 2            | 0000 037 965 00   | 1... 2        | 1... 2 | 1... 2 | 1... 2 | 1... 2 |            | Z,C                        |
| 3            | 0000 012 420 00   | 2             | 2      | 2      | 2      | 2      |            | Z,C                        |
| 4            | 0000 042 427 00   | 1             | -      | -      | -      | -      |            | S,Z,C                      |
| 4            | 0000 042 830 00   | -             | 1      | 1      | -      | -      |            | S,Z,C                      |
| 4            | 0000 040 999 20   | -             | -      | -      | 1      | 1      |            | S,Z,C                      |
| 5            | 0000 037 968 00   | 1             | 1      | 1      | 1      | 1      |            | Z,C                        |
| 6            | 0000 037 969 00   | 1             | 1      | 1      | 1      | 1      |            | Z,C                        |
| 7            | 0000 040 237 10   | 1             | 1      | 1      | -      | -      |            | Z,C                        |
| 7            | 0000 037 967 10   | -             | -      | -      | 1      | 1      |            | Z,C                        |
| 8            | 0000 040 238 10   | 1             | 1      | 1      | -      | -      |            | Z,C                        |
| 8            | 0000 037 966 10   | -             | -      | -      | 1      | 1      |            | Z,C                        |
| 10           | 0000 503 249 00   | 2             | 2      | 2      | 2      | 2      |            | 3 x 3,7 DIN 6888 St 60 Z,C |
| 14           | 0000 040 239 00   | 2             | 2      | 2      | -      | -      |            | Z,C                        |



# M05a, M06

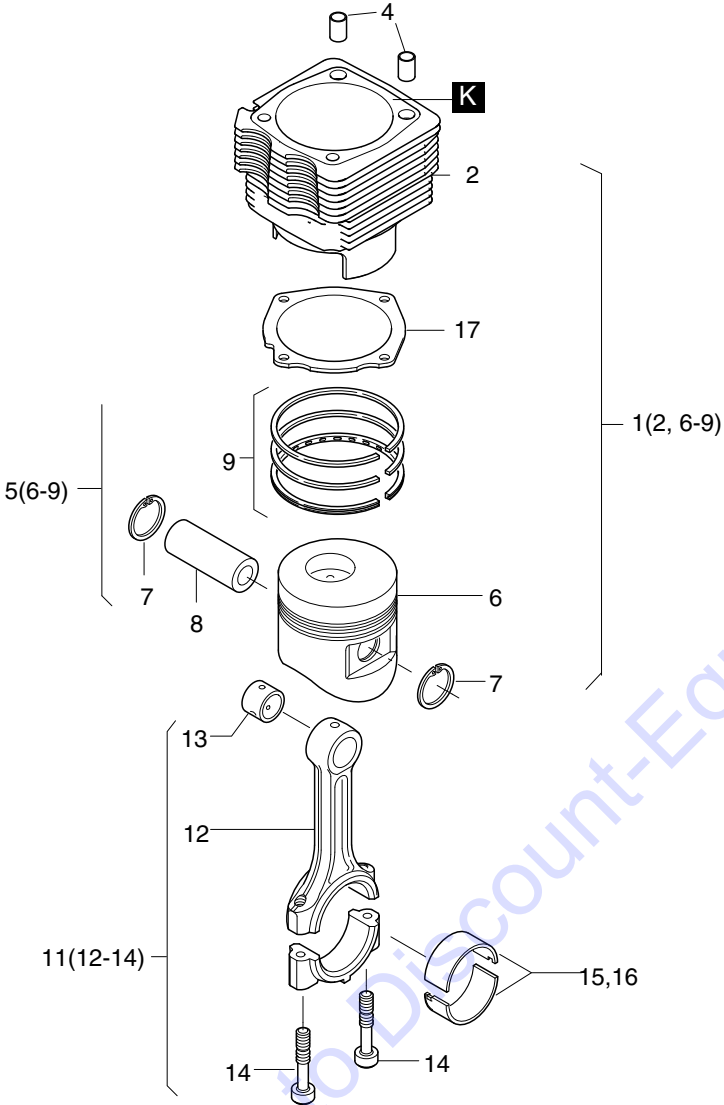
Piston, conrod, cylinder  
Kolben, Pleuel, Zylinder  
Piston, bielle, cylindre  
Embolo, biela, cilindro  
Pistone, biella, cilindro



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|------------------------|---------------|------|------|------|------------|---------------------------|
|              |                        | 1D41          | 1D42 | 1D81 | 1D90 |            |                           |
| 1            | 0000 <b>013 124 20</b> | 1             | -    | -    | -    |            |                           |
| 1            | 0000 <b>020 152 01</b> | -             | 1    | -    | -    |            |                           |
| 1            | 0000 <b>013 135 42</b> | -             | -    | 1    | -    |            |                           |
| 1            | 0000 <b>013 317 20</b> | -             | -    | -    | 1    |            |                           |
| 2            | 0000 <b>013 152 20</b> | 1             | -    | -    | -    |            | + 0,5 mm                  |
| 2            | 0000 <b>020 153 01</b> | -             | 1    | -    | -    |            | + 0,5 mm                  |
| 2            | 0000 <b>013 146 41</b> | -             | -    | 1    | -    |            | + 0,5 mm                  |
| 2            | 0000 <b>013 327 20</b> | -             | -    | -    | 1    |            | + 0,5 mm                  |
| 2            | 0000 <b>013 153 20</b> | 1             | -    | -    | -    |            | + 1,0 mm                  |
| 2            | 0000 <b>020 154 01</b> | -             | 1    | -    | -    |            | + 1,0 mm                  |
| 3            | -----                  | -             | -    | -    | -    |            |                           |
| 4            | 0000 <b>504 161 00</b> | 1             | 1    | -    | -    |            | 25 x 13 x 68 DIN 73126-B2 |
| 4            | 0000 <b>504 619 00</b> | -             | -    | 1    | 1    |            | 30 x 15 x 75              |
| 5            | 0000 <b>503 812 10</b> | 2             | 2    | -    | -    |            | A 25 x 1,2                |
| 5            | 0000 <b>505 949 00</b> | -             | -    | 2    | -    |            | 30 x 1,2                  |
| 5            | 0000 <b>504 620 00</b> | -             | -    | -    | 2    |            | 30 x 1,2                  |
| 6            | 0000 <b>013 125 01</b> | 1             | 1    | -    | -    |            | 90                        |
| 6            | 0000 <b>012 473 10</b> | -             | -    | 1    | -    |            |                           |
| 6            | 0000 <b>013 318 00</b> | -             | -    | -    | 1    |            |                           |
| 7            | -----                  | -             | -    | -    | -    |            |                           |
| 7            | 0000 <b>013 154 01</b> | 1             | 1    | -    | -    |            | + 0,5 mm                  |
| 7            | 0000 <b>012 645 10</b> | -             | -    | 1    | -    |            | + 0,5 mm                  |
| 7            | 0000 <b>013 155 01</b> | 1             | 1    | -    | -    |            | + 1,0 mm                  |
| 8            | -----                  | -             | -    | -    | -    |            |                           |
| 9            | 0000 <b>015 050 20</b> | 1             | -    | -    | -    |            |                           |
| 9            | 0000 <b>022 589 00</b> | -             | 1    | -    | -    |            |                           |
| 9            | 0000 <b>015 083 30</b> | -             | -    | 1    | -    |            |                           |
| 9            | 0000 <b>015 926 20</b> | -             | -    | -    | 1    |            |                           |
| 10           | 0000 <b>012 583 02</b> | 1             | 1    | -    | -    |            |                           |
| 10           | 0000 <b>012 440 01</b> | -             | -    | 1    | 1    |            |                           |
| 11           | -----                  | -             | -    | -    | -    |            |                           |
| 12           | 0000 <b>040 656 00</b> | 1             | 1    | -    | -    |            |                           |
| 12           | 0000 <b>040 322 00</b> | -             | -    | 1    | 1    |            |                           |
| 13           | 0000 <b>041 005 00</b> | 2             | 2    | -    | -    |            |                           |
| 13           | 0000 <b>040 018 10</b> | -             | -    | 2    | 2    |            |                           |
| 14           | 0000 <b>022 516 00</b> | 1             | 1    | -    | -    |            |                           |
| 14           | 0000 <b>022 519 00</b> | -             | -    | 1    | 1    |            |                           |
| 15           | 0000 <b>022 520 00</b> | 1             | 1    | -    | -    |            | - 0,5 mm                  |
| 15           | 0000 <b>022 521 00</b> | -             | -    | 1    | 1    |            | - 0,5 mm                  |

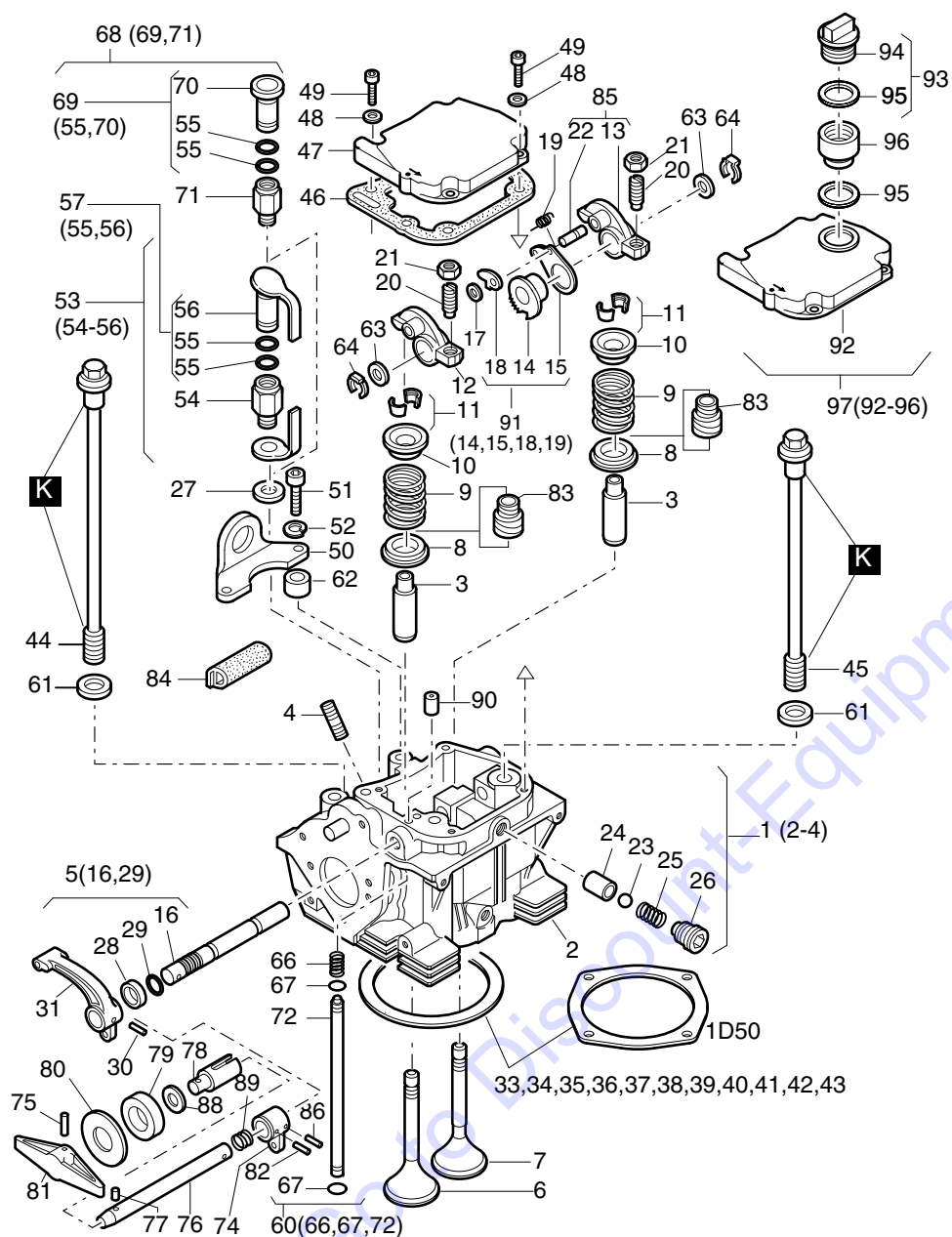
M05b, M06

Piston, conrod, cylinder  
Kolben, Pleuel, Zylinder  
Piston, bielle, cylindre  
Embolo, biela, cilindro  
Pistone, biella, cilindro



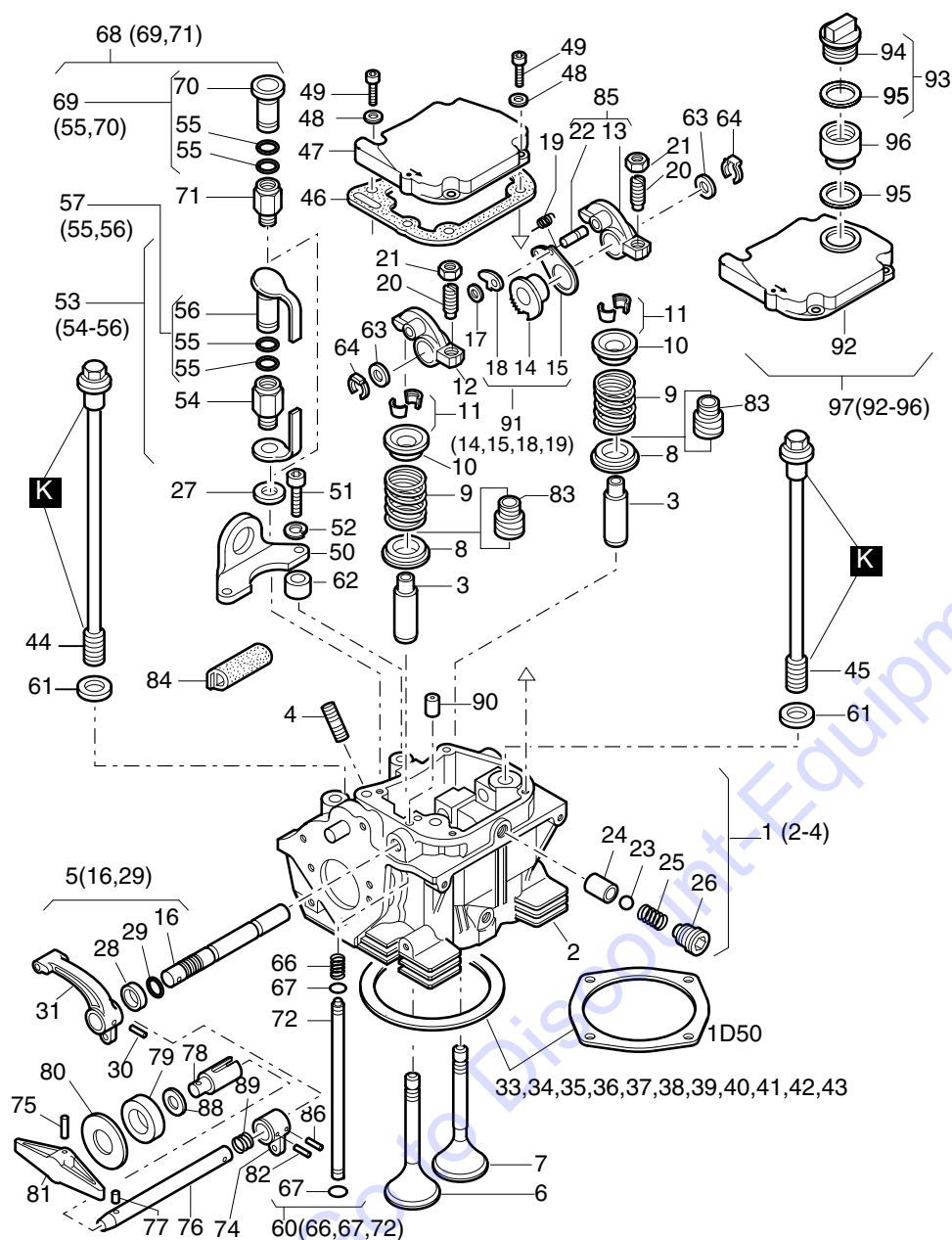
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|------------|----------------------|
| 1050         |                   |               |            |                      |
| 1            | 0000 016 444 30   | 1             |            |                      |
| 2            | -----             | -             |            |                      |
| 4            | 0000 041 349 00   | 2             |            | 10,5 x 12,5 x 15     |
| 5            | 0000 020 251 00   | 1             |            | 97 mm                |
| 6            | -----             | -             |            |                      |
| 7            | 0000 503 812 10   | 2             |            | A 25 x 1,2           |
| 8            | 0000 504 813 00   | 1             |            | 25 x 12 x 68         |
| 9            | 0000 013 369 00   | 1             |            | 97 mm                |
| 11           | 0000 012 583 02   | 1             |            |                      |
| 12           | -----             | -             |            |                      |
| 13           | 0000 040 656 00   | 1             |            |                      |
| 14           | 0000 041 005 00   | 2             |            |                      |
| 15           | 0000 022 516 00   | 1             |            |                      |
| 16           | 0000 022 520 00   | 1             |            | - 0,5 mm             |
| 17           | 0000 041 712 03   | 1             |            |                      |

Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |        |      |      |      | W<br>d / D | Notes<br>Bemerkungen       |
|--------------|-------------------|---------------|--------|------|------|------|------------|----------------------------|
|              |                   | 1D41          | 1D42   | 1D50 | 1D81 | 1D90 |            |                            |
| 1            | 0000 018 586 01   | 1             | 1      | -    | -    | -    |            |                            |
| 1            | 0000 018 587 00   | -             | -      | 1    | -    | -    |            |                            |
| 1            | 0000 014 996 20   | -             | -      | -    | 1    | -    |            |                            |
| 1            | 0000 015 927 10   | -             | -      | -    | -    | 1    |            |                            |
| 2            | -----             | -             | -      | -    | -    | -    |            |                            |
| 3            | 0000 041 375 00   | 2             | 2      | 2    | -    | -    |            |                            |
| 3            | 0000 040 087 12   | -             | -      | -    | 2    | 2    |            |                            |
| 4            | 0000 502 792 00   | 1             | 1      | 1    | -    | -    |            | M 8 x 40 DIN 835-8.8 A3C   |
| 4            | 0000 500 384 00   | -             | -      | -    | 1    | 1    |            | M 8 x 35 DIN 835-8.8 A3C   |
| 5            | 0000 012 909 20   | 1             | 1      | 1    | -    | -    |            |                            |
| 5            | 0000 014 689 20   | -             | -      | -    | 1    | 1    |            |                            |
| 6            | 0000 042 468 00   | 1             | 1      | 1    | -    | -    |            |                            |
| 6            | 0000 040 910 01   | -             | -      | -    | 1    | 1    |            |                            |
| 7            | 0000 042 469 00   | 1             | 1      | 1    | -    | -    |            |                            |
| 7            | 0000 040 911 00   | -             | -      | -    | 1    | 1    |            |                            |
| 8            | 0000 040 052 01   | 2             | 2      | 2    | 2    | 2    |            |                            |
| 9            | 0000 040 293 00   | 2             | 2      | 2    | -    | -    |            |                            |
| 9            | 0000 040 053 00   | -             | -      | -    | 2    | -    |            |                            |
| 9            | 0000 041 520 00   | -             | -      | -    | -    | 2    |            |                            |
| 10           | 0000 040 292 01   | 2             | 2      | 2    | -    | -    |            |                            |
| 10           | 0000 040 054 01   | -             | -      | -    | 2    | 2    |            |                            |
| 11           | 0000 022 524 00   | 2             | 2      | 2    | -    | -    |            |                            |
| 11           | 0000 022 522 00   | -             | -      | -    | 2    | 2    |            |                            |
| 12           | 0000 040 037 10   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 13           | -----             | -             | -      | -    | -    | -    |            |                            |
| 14           | -----             | -             | -      | -    | -    | -    |            |                            |
| 15           | 0000 037 784 01   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 16           | -----             | -             | -      | -    | -    | -    |            |                            |
| 17           | 0000 501 172 00   | 1             | 1      | 1    | 1    | 1    |            | RA 4ME DIN 6799            |
| 18           | 0000 033 657 10   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 19           | 0000 033 660 01   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 20           | 0000 037 830 00   | 2             | 2      | 2    | 2    | 2    |            |                            |
| 21           | 0000 031 731 00   | 2             | 2      | 2    | 2    | 2    |            | W2                         |
| 22           | -----             | -             | -      | -    | -    | -    |            |                            |
| 23           | 0000 501 238 00   | 1             | 1      | 1    | 1    | 1    |            | 7 mm III DIN 5401          |
| 24           | 0000 040 047 00   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 25           | 0000 040 048 00   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 26           | 0000 012 452 00   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 27           | 0000 500 011 00   | 1             | 1      | 1    | 1    | 1    |            | d1 A 12 x 15,5 DIN 7603-Cu |
| 28           | 0000 040 489 00   | -             | -      | -    | 1    | 1    |            | d1 12 x 18 x 5             |
| 29           | 0000 400 224 01   | 1             | 1      | 1    | 1    | 1    |            | d2 8 x 2 FPM 75 MOLYKOT.   |
| 30           | 0000 500 347 00   | 1             | 1      | 1    | 1    | 1    |            | 4 x 22 ISO 8752-ST         |
| 31           | 0000 040 098 10   | 1             | 1      | 1    | 1    | 1    |            |                            |
| 33           | 0000 040 715 00   | 0... 1        | 0... 1 | -    | -    | -    |            | 0,3 mm                     |
| 33           | 0000 042 395 00   | 0... 1        | 0... 1 | -    | -    | -    |            | 0,35 mm                    |

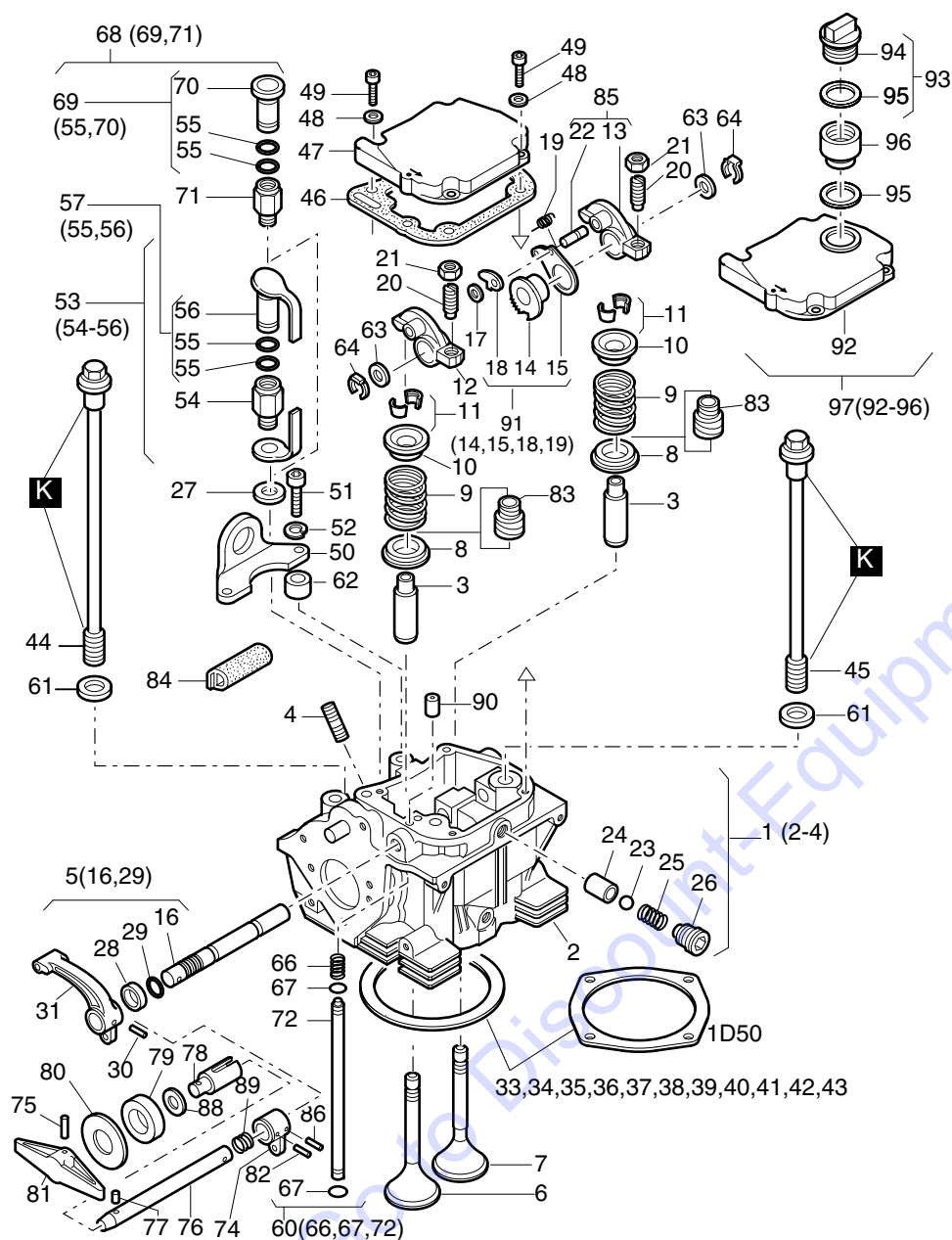
Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |        |        |        |        | W<br>d / D | Notes<br>Bemerkungen |
|--------------|------------------------|---------------|--------|--------|--------|--------|------------|----------------------|
|              |                        | 1D41          | 1D42   | 1D50   | 1D81   | 1D90   |            |                      |
| 33           | 0000 <b>041 193 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,3 mm               |
| 33           | 0000 <b>042 417 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,35 mm              |
| 34           | 0000 <b>040 716 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,4 mm               |
| 34           | 0000 <b>042 396 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,45 mm              |
| 34           | 0000 <b>041 194 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,4 mm               |
| 34           | 0000 <b>042 418 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,45 mm              |
| 35           | 0000 <b>040 717 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,5 mm               |
| 35           | 0000 <b>042 397 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,55 mm              |
| 35           | 0000 <b>040 688 00</b> | -             | -      | -      | 0... 1 | -      |            | 0,5 mm               |
| 35           | 0000 <b>042 409 00</b> | -             | -      | -      | 0... 1 | -      |            | 0,55 mm              |
| 35           | 0000 <b>041 195 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,5 mm               |
| 35           | 0000 <b>042 419 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,55 mm              |
| 36           | 0000 <b>040 718 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,6 mm               |
| 36           | 0000 <b>042 398 00</b> | 0... 1        | 0... 1 | -      | -      | -      | d1         | 0,65 mm              |
| 36           | 0000 <b>042 845 00</b> | -             | -      | 0... 1 | -      | -      |            | 0,65 mm              |
| 36           | 0000 <b>040 368 00</b> | -             | -      | -      | 0... 1 | -      |            | 0,6 mm               |
| 36           | 0000 <b>042 410 00</b> | -             | -      | -      | 0... 1 | -      |            | 0,65 mm              |
| 36           | 0000 <b>041 196 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,6 mm               |
| 36           | 0000 <b>042 420 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,65 mm              |
| 37           | 0000 <b>040 719 00</b> | 0... 1        | 0... 1 | -      | -      | -      | d1         | 0,7 mm               |
| 37           | 0000 <b>042 399 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,75 mm              |
| 37           | 0000 <b>042 847 00</b> | -             | -      | 0... 1 | -      | -      |            | 0,75 mm              |
| 37           | 0000 <b>040 365 00</b> | -             | -      | -      | 0... 1 | -      |            | 0,7 mm               |
| 37           | 0000 <b>042 411 00</b> | -             | -      | -      | 0... 1 | -      | d1         | 0,75 mm              |
| 37           | 0000 <b>041 197 00</b> | -             | -      | -      | -      | 0... 1 | d1         | 0,7 mm               |
| 37           | 0000 <b>042 421 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,75 mm              |
| 38           | 0000 <b>040 720 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,8 mm               |
| 38           | 0000 <b>042 400 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,85 mm              |
| 38           | 0000 <b>042 848 00</b> | -             | -      | 0... 1 | -      | -      |            | 0,8 mm               |
| 38           | 0000 <b>042 849 00</b> | -             | -      | 0... 1 | -      | -      |            | 0,85 mm              |
| 38           | 0000 <b>040 366 00</b> | -             | -      | -      | 0... 1 | -      | d1         | 0,8 mm               |
| 38           | 0000 <b>042 412 00</b> | -             | -      | -      | 0... 1 | -      |            | 0,85 mm              |
| 38           | 0000 <b>041 198 00</b> | -             | -      | -      | -      | 0... 1 | d1         | 0,8 mm               |
| 38           | 0000 <b>042 422 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,85 mm              |
| 39           | 0000 <b>040 721 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,9 mm               |
| 39           | 0000 <b>042 401 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 0,95 mm              |
| 39           | 0000 <b>042 851 00</b> | -             | -      | 0... 1 | -      | -      |            | 0,95 mm              |
| 39           | 0000 <b>040 027 00</b> | -             | -      | -      | 0... 1 | -      | d1         | 0,9 mm               |
| 39           | 0000 <b>042 413 00</b> | -             | -      | -      | 0... 1 | -      |            | 0,95 mm              |
| 39           | 0000 <b>041 199 00</b> | -             | -      | -      | -      | 0... 1 | d1         | 0,9 mm               |
| 39           | 0000 <b>042 423 00</b> | -             | -      | -      | -      | 0... 1 |            | 0,95 mm              |
| 40           | 0000 <b>040 722 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 1,0 mm               |
| 40           | 0000 <b>042 402 00</b> | 0... 1        | 0... 1 | -      | -      | -      |            | 1,05 mm              |
| 40           | 0000 <b>040 028 00</b> | -             | -      | -      | 0... 1 | -      |            | 1,0 mm               |
| 40           | 0000 <b>042 414 00</b> | -             | -      | -      | 0... 1 | -      |            | 1,05 mm              |

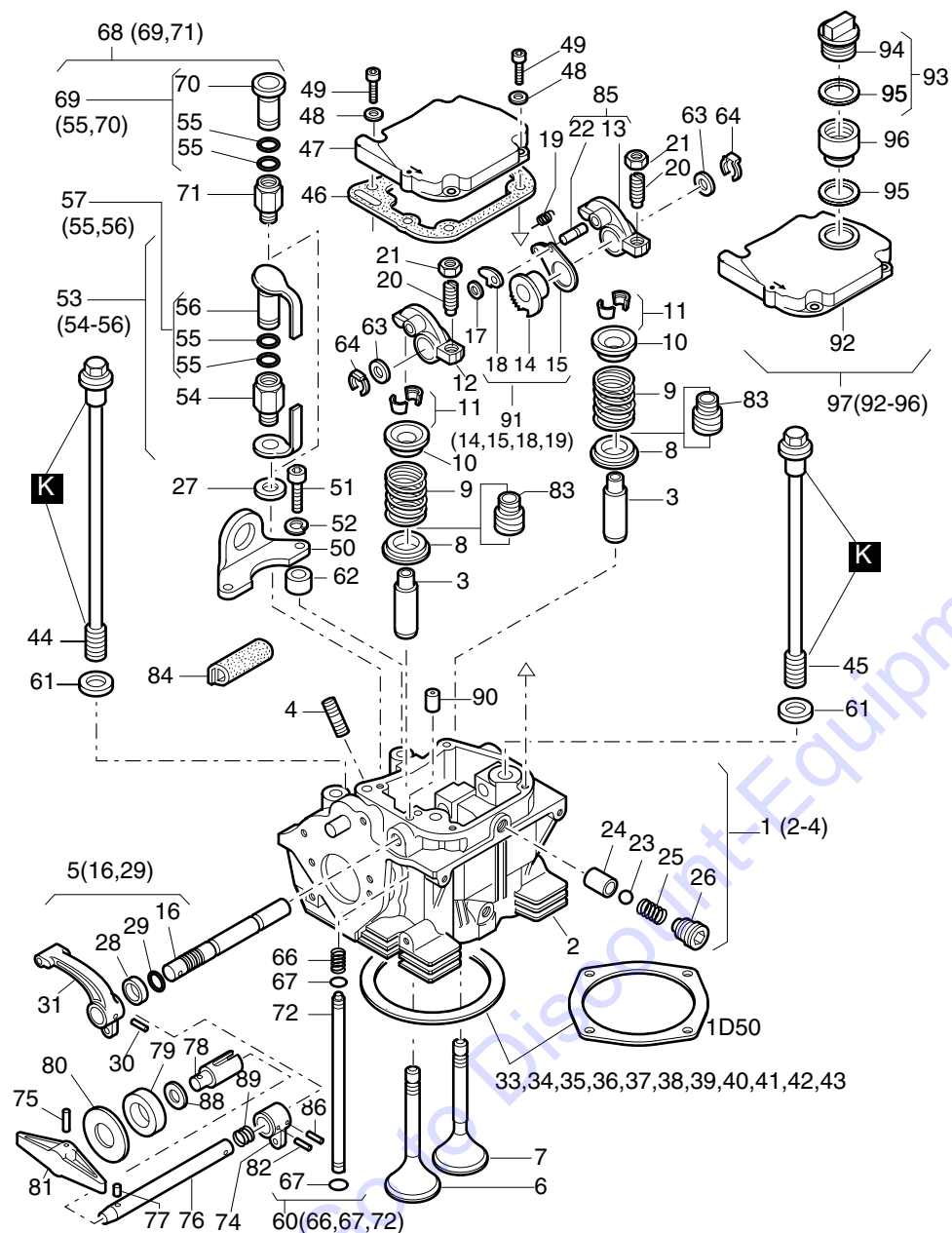


Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |        |      |        |        | W<br>d / D                 | Notes<br>Bemerkungen    |
|--------------|-------------------|---------------|--------|------|--------|--------|----------------------------|-------------------------|
|              |                   | 1D41          | 1D42   | 1D50 | 1D81   | 1D90   |                            |                         |
| 40           | 0000 041 200 00   | -             | -      | -    | -      | 0... 1 |                            | 1,0 mm                  |
| 40           | 0000 042 424 00   | -             | -      | -    | -      | 0... 1 |                            | 1,05 mm                 |
| 41           | 0000 040 723 00   | 0... 1        | 0... 1 | -    | -      | -      |                            | 1,1 mm                  |
| 41           | 0000 042 403 00   | 0... 1        | 0... 1 | -    | -      | -      |                            | 1,15 mm                 |
| 41           | 0000 040 029 00   | -             | -      | -    | 0... 1 | -      |                            | 1,1 mm                  |
| 41           | 0000 042 415 00   | -             | -      | -    | 0... 1 | -      |                            | 1,15 mm                 |
| 41           | 0000 041 201 00   | -             | -      | -    | -      | 0... 1 |                            | 1,1 mm                  |
| 41           | 0000 042 425 00   | -             | -      | -    | -      | 0... 1 |                            | 1,15 mm                 |
| 42           | 0000 040 724 00   | 0... 1        | 0... 1 | -    | -      | -      |                            | 1,2 mm                  |
| 42           | 0000 042 404 00   | 0... 1        | 0... 1 | -    | -      | -      |                            | 1,25 mm                 |
| 42           | 0000 040 030 00   | -             | -      | -    | 0... 1 | -      |                            | 1,2 mm                  |
| 42           | 0000 042 416 00   | -             | -      | -    | 0... 1 | -      |                            | 1,25 mm                 |
| 42           | 0000 041 202 00   | -             | -      | -    | -      | 0... 1 |                            | 1,2 mm                  |
| 42           | 0000 042 426 00   | -             | -      | -    | -      | 0... 1 |                            | 1,25 mm                 |
| 43           | 0000 040 725 00   | 0... 1        | 0... 1 | -    | -      | -      |                            | 1,3 mm                  |
| 43           | 0000 040 031 00   | -             | -      | -    | 0... 1 | -      |                            | 1,3 mm                  |
| 43           | 0000 041 203 00   | -             | -      | -    | -      | 0... 1 |                            | 1,3 mm                  |
| 44           | 0000 040 286 00   | 2             | 2      | 2    | -      | -      |                            | 251,5 mm                |
| 44           | 0000 040 032 01   | -             | -      | -    | 2      | 2      |                            | 305 mm                  |
| 45           | 0000 040 285 00   | 2             | 2      | 2    | -      | -      |                            | 174 mm                  |
| 45           | 0000 040 033 01   | -             | -      | -    | 2      | 2      |                            | 258 mm                  |
| 46           | 0000 040 061 11   | 1             | 1      | 1    | 1      | 1      | d1,W3                      |                         |
| 47           | 0000 012 454 14   | 1             | 1      | 1    | 1      | 1      |                            |                         |
| 48           | 0000 500 812 00   | 4             | 4      | 4    | 4      | 4      | P4 A 6 DIN 137 - A3C       |                         |
| 49           | 0000 501 708 00   | 4             | 4      | 4    | 4      | 4      | P2 M 6 x 25 DIN 912-8.8A3C |                         |
| 50           | 0000 040 081 00   | 1             | 1      | 1    | 1      | 1      |                            |                         |
| 51           | 0000 501 759 00   | 2             | 2      | 2    | -      | -      |                            | M 8 x 30 DIN 912-8.8A3C |
| 51           | 0000 503 663 00   | -             | -      | -    | 2      | 2      |                            | M 8 x 20 DIN 912-8.8A3C |
| 52           | 0000 502 085 00   | 2             | 2      | 2    | 2      | 2      |                            | 8 DIN 128 A3C           |
| 53           | 0000 014 932 00   | 1             | 1      | 1    | 1      | 1      |                            | S,Z,T,U                 |
| 54           | -----             | -             | -      | -    | -      | -      |                            |                         |
| 55           | 0000 503 262 00   | 2             | 2      | 2    | 2      | 2      | d2 11,3 x 2,4              |                         |
| 56           | -----             | -             | -      | -    | -      | -      |                            |                         |
| 57           | 0000 013 083 01   | 1             | 1      | 1    | 1      | 1      | P1 S,Z,T,U                 |                         |
| 60           | 0000 012 696 01   | 1             | 1      | 1    | -      | -      |                            |                         |
| 60           | 0000 012 697 00   | -             | -      | -    | 1      | 1      |                            |                         |
| 61           | 0000 037 941 00   | 4             | 4      | 4    | -      | -      |                            | 10,1 x 22 x 3           |
| 61           | 0000 034 575 00   | -             | -      | -    | 4      | 4      |                            | 12,5 x 24 x 2,5         |
| 62           | 0000 040 080 00   | 2             | 2      | 2    | -      | -      |                            | 9,2 x 17,2 x 10         |
| 63           | 0000 034 575 00   | 2             | 2      | 2    | -      | -      |                            | 12,5 x 24 x 2,5         |
| 64           | 0000 503 533 00   | 2             | 2      | 2    | -      | -      |                            |                         |
| 66           | 0000 040 042 00   | 1             | 1      | 1    | 1      | 1      |                            |                         |
| 67           | 0000 503 301 00   | 2             | 2      | 2    | 2      | 2      | d2 4 x 1,2                 |                         |
| 68           | 0000 012 806 00   | 1             | 1      | -    | 1      | 1      | "C"                        |                         |
| 69           | 0000 012 756 11   | 1             | 1      | -    | 1      | 1      | P1 "C"                     |                         |

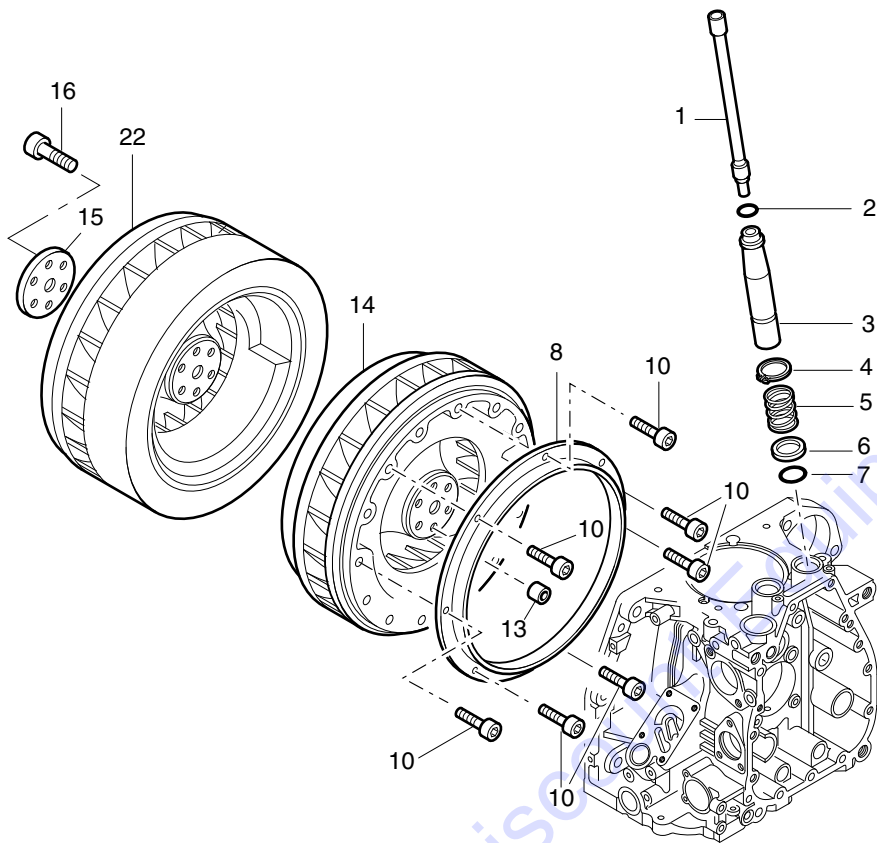
Cylinder head  
Zylinderkopf  
Culasse  
Culata  
Testa



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen   |
|--------------|-------------------|---------------|------|------|------|------|------------|------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                        |
| 70           | -----             | -             | -    | -    | -    | -    |            |                        |
| 71           | -----             | -             | -    | -    | -    | -    |            |                        |
| 72           | -----             | -             | -    | -    | -    | -    |            |                        |
| 74           | 0000 040 479 20   | 1             | 1    | -    | 1    | 1    |            | "C"                    |
| 75           | 0000 501 320 00   | 1             | 1    | -    | 1    | 1    |            | 4 x 16 ISO 8752-ST "C" |
| 76           | 0000 040 833 20   | 1             | 1    | -    | -    | -    |            |                        |
| 76           | 0000 040 482 20   | -             | -    | -    | 1    | 1    |            | "C"                    |
| 77           | 0000 500 345 00   | 1             | 1    | -    | 1    | 1    |            | 4 x 14 ISO 8752-ST "C" |
| 78           | 0000 040 481 10   | 1             | 1    | -    | 1    | 1    |            | "C"                    |
| 79           | 0000 015 816 00   | 1             | 1    | -    | 1    | 1    |            | "C"                    |
| 80           | 0000 040 480 00   | 1             | 1    | -    | 1    | 1    |            | 10,5x50x1,0 "C"        |
| 81           | 0000 037 782 00   | 1             | 1    | -    | 1    | 1    |            | "C"                    |
| 82           | 0000 501 320 00   | 1             | 1    | -    | 1    | 1    |            | 4 x 16 ISO 8752-ST "C" |
| 83           | 0000 504 057 00   | 2             | 2    | 2    | -    | -    | d2         |                        |
| 83           | 0000 506 349 00   | -             | -    | -    | 2    | 2    | d2         |                        |
| 84           | 0000 040 704 00   | 1             | 1    | 1    | -    | -    |            | 60 mm                  |
| 85           | 0000 012 850 10   | 1             | 1    | 1    | 1    | 1    |            |                        |
| 86           | 0000 500 346 00   | 1             | 1    | -    | 1    | 1    |            | 4 x 18 ISO 8752-ST "C" |
| 88           | 0000 037 873 00   | 1             | 1    | -    | 1    | 1    |            | 10,5 x 21 x 0,2 "C"    |
| 89           | 0000 040 972 00   | 1             | 1    | -    | 1    | 1    |            | "C"                    |
| 90           | 0000 041 049 00   | 1             | 1    | 1    | -    | -    |            | (ø 5 mm)               |
| 90           | 0000 041 043 00   | -             | -    | -    | 1    | 1    |            | (ø 8 mm)               |
| 91           | 0000 015 576 00   | 1             | 1    | 1    | 1    | 1    |            |                        |
| 92           | -----             | -             | -    | -    | -    | -    |            |                        |
| 93           | 0000 016 131 00   | 1             | 1    | 1    | 1    | 1    |            |                        |
| 94           | -----             | -             | -    | -    | -    | -    |            |                        |
| 95           | 0000 041 250 00   | 2             | 2    | 2    | 2    | 2    |            | 26 x 35 x3             |
| 96           | 0000 036 584 00   | 1             | 1    | 1    | 1    | 1    |            |                        |
| 97           | 0000 016 200 00   | 1             | 1    | 1    | 1    | 1    |            |                        |

M09, M17

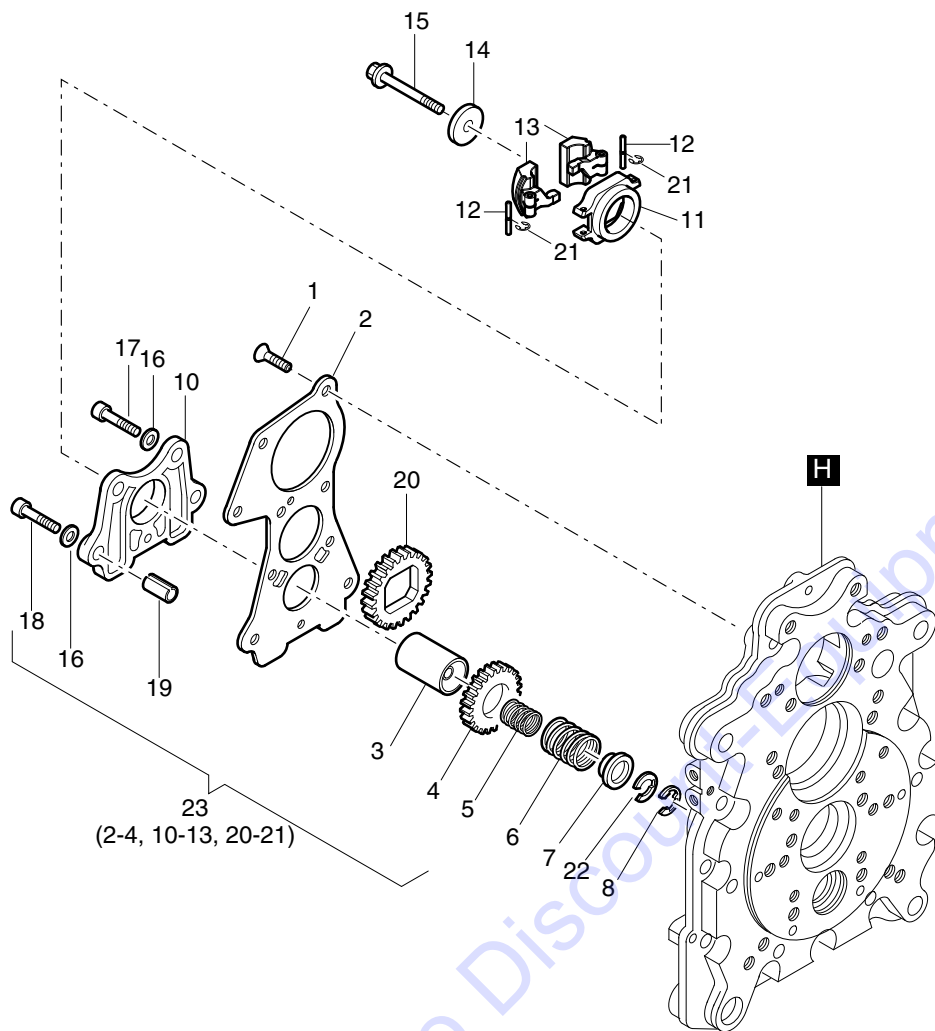
Pushrod, flywheel  
Stoßstange, Schwungrad  
Tige de culbuteur, volant  
Varilla de balancín, volante  
Asta bilancieri, volano



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D                           | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|------|------|------|------|--------------------------------------|----------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |                                      |                      |
| 1            | 0000 012 593 10   | 2             | 2    | 2    | -    | -    |                                      |                      |
| 1            | 0000 012 443 10   | -             | -    | -    | 2    | 2    |                                      |                      |
| 2            | 0000 503 302 00   | 2             | 2    | 2    | 2    | 2    | d2 19 x 3                            |                      |
| 3            | 0000 040 272 00   | 2             | 2    | 2    | -    | -    |                                      |                      |
| 3            | 0000 040 025 00   | -             | -    | -    | 2    | 2    |                                      |                      |
| 4            | 0000 503 470 00   | 2             | 2    | 2    | 2    | 2    | P2 AS 24 x 1,75 DIN 471              |                      |
| 5            | 0000 040 026 00   | 2             | 2    | 2    | 2    | 2    |                                      |                      |
| 6            | 0000 040 020 00   | 2             | 2    | 2    | 2    | 2    |                                      |                      |
| 7            | 0000 504 113 00   | 2             | 2    | 2    | -    | -    | d2 23 x 3,5 grün, green, vert, verde |                      |
| 7            | 0000 503 303 00   | -             | -    | -    | 2    | 2    | d2 23 x 3                            |                      |
| 8            | 0000 040 306 01   | 1             | 1    | 1    | -    | -    |                                      |                      |
| 8            | 0000 040 075 00   | -             | -    | -    | 1    | 1    |                                      |                      |
| 10           | 0000 503 971 00   | 6             | 6    | 6    | 7    | 7    | M 4 x 10A3C DIN 912-8.8TUF           |                      |
| 13           | 0000 040 330 00   | 1             | 1    | 1    | -    | -    |                                      |                      |
| 13           | 0000 031 237 00   | -             | -    | -    | 1    | 1    |                                      |                      |
| 14           | 0000 040 261 21   | 1             | 1    | -    | -    | -    |                                      |                      |
| 14           | 0000 041 437 01   | -             | -    | 1    | -    | -    |                                      |                      |
| 14           | 0000 040 071 33   | -             | -    | -    | 1    | 1    |                                      |                      |
| 15           | 0000 040 266 00   | 1             | 1    | 1    | -    | -    |                                      |                      |
| 15           | 0000 040 074 10   | -             | -    | -    | 1    | 1    |                                      |                      |
| 16           | 0000 501 328 00   | 6             | 6    | 6    | -    | -    | M 10 x 40 DIN 912-10.9               |                      |
| 16           | 0000 503 631 00   | -             | -    | -    | 6    | 6    | M12 x 1,5 x 40 DIN 912-10.9          |                      |
| 22           | 0000 040 799 01   | 1             | 1    | -    | -    | -    | Schwungrad schwer                    |                      |
| 22           | 0000 040 745 06   | -             | -    | -    | 1    | 1    | Flywheel heavy, Volant lourd         |                      |

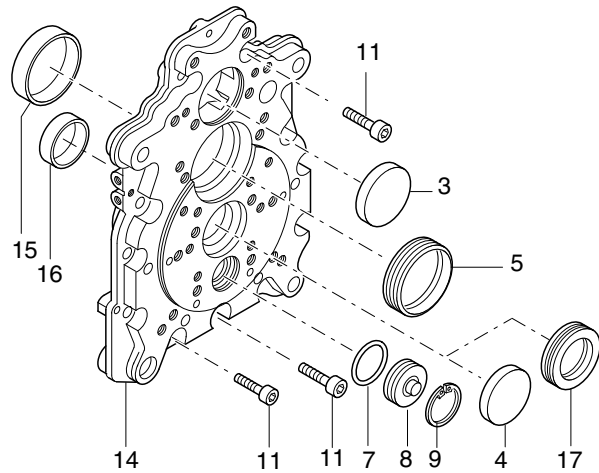
# M10

Oil pump, governor  
Ölpumpe, Regler  
Pompe a huile, regulateur  
Bomba de aceite, regulador  
Pompa olio, regolatore

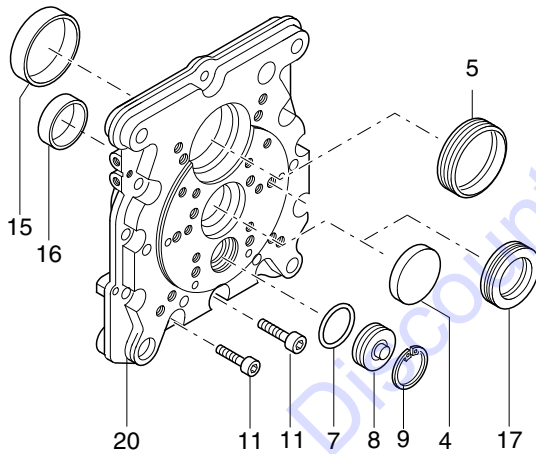


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen           |
|--------------|------------------------|---------------|------|------|------|------|------------|--------------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                                |
| 1            | 0000 <b>503 280 00</b> | 5             | 5    | 5    | 5    | 5    |            | AM 6 x 16 17065 - 8.8 Zn       |
| 2            | 0000 <b>037 974 12</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 3            | 0000 <b>012 424 01</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 4            | 0000 <b>037 973 10</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 5            | 0000 <b>040 528 00</b> | 0..1          | 0..1 | 0..1 | 0..1 | 0..1 |            | ø 1,6 mm ... 1500 min-1        |
| 5            | 0000 <b>040 529 00</b> | 0..1          | 0..1 | 0..1 | 0..1 | 0..1 |            | ø 1,7 mm 1501...1800 min-1     |
| 5            | 0000 <b>040 088 01</b> | 0..1          | 0..1 | 0..1 | 0..1 | 0..1 |            | ø 1,9 mm 1801...2300 min-1     |
| 6            | 0000 <b>040 708 00</b> | 0..1          | 0..1 | 0..1 | 0..1 | 0..1 |            | ø 2,6 mm 2301...2500 min-1     |
| 6            | 0000 <b>040 634 00</b> | 0..1          | 0..1 | 0..1 | 0..1 | 0..1 |            | ø 2,8 mm 2301...3000 min-1     |
| 6            | 0000 <b>040 896 00</b> | 0..1          | 0..1 | 0..1 | 0..1 | 0..1 |            | ø 2,8 mm 3000 min-1 Gen.PV78   |
| 7            | 0000 <b>037 986 00</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 8            | 0000 <b>503 347 00</b> | 1             | 1    | 1    | 1    | 1    |            | 5 ME DIN 6799                  |
| 10           | 0000 <b>037 975 12</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 11           | 0000 <b>042 771 00</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 12           | 0000 <b>042 773 00</b> | 2             | 2    | 2    | 2    | 2    |            |                                |
| 13           | 0000 <b>042 772 02</b> | 2             | 2    | 2    | 2    | 2    |            |                                |
| 14           | 0000 <b>037 979 00</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 15           | 0000 <b>037 978 01</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 16           | 0000 <b>500 812 00</b> | 5             | 5    | 5    | 5    | 5    |            | A 6 DIN 137 - A3C              |
| 17           | 0000 <b>501 708 00</b> | 3             | 3    | 3    | 3    | 3    |            | M 6 x 25 DIN 912-8.8A3C        |
| 18           | 0000 <b>500 510 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 6 x 30 DIN 912-8.8           |
| 19           | 0000 <b>500 849 01</b> | 2             | 2    | 2    | 2    | 2    |            | 8 x 12 DIN 7346 55 Si 7 2Fasen |
| 20           | 0000 <b>037 987 20</b> | 1             | 1    | 1    | 1    | 1    |            |                                |
| 21           | 0000 <b>505 943 00</b> | 2             | 2    | 2    | 2    | 2    |            | 2 x 10 ISO 8753-ST             |
| 22           | 0000 <b>040 460 00</b> | 0..3          | 0..3 | 0..3 | 0..3 | 0..3 |            | 0,5 mm                         |
| 22           | 0000 <b>042 625 00</b> | 0..1          | 0..1 | 0..1 | 0..1 | 0..1 |            | 0,3 mm                         |
| 23           | 0000 <b>023 582 00</b> | 1             | 1    | 1    | 1    | 1    |            |                                |

Timing cover  
Steuerdeckel  
Couvercle distribution  
Tapa de mando  
Coperchio distribuzione



2 (3-5,14-17)



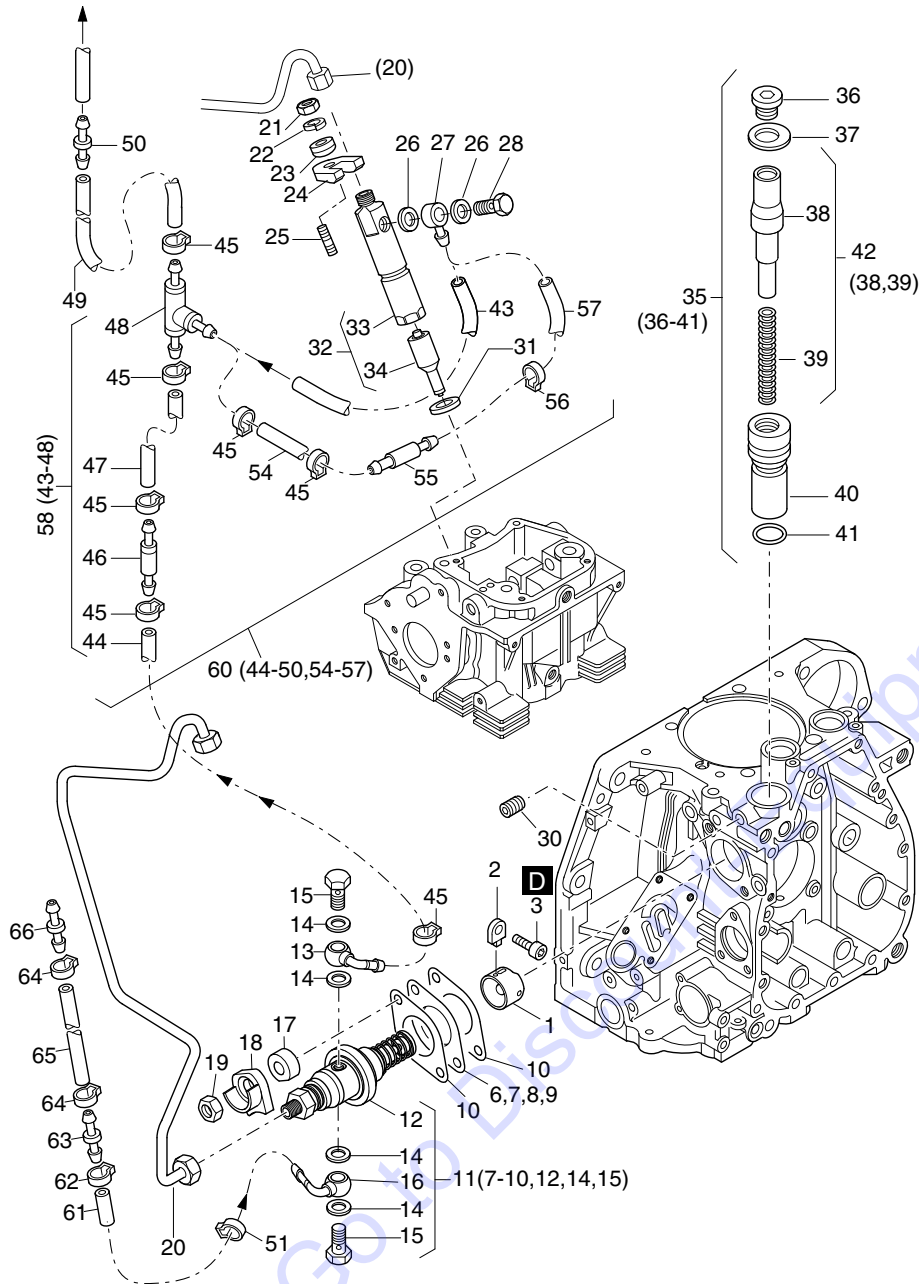
19 (4-5,15-17,20)

| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|------------------------|---------------|------|------|------|------|------------|-------------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                               |
| 2            | 0000 <b>012 677 31</b> | -             | -    | -    | 1    | 1    |            | SAE, HP, FP                   |
| 3            | 0000 <b>503 256 00</b> | -             | -    | -    | 1    | 1    |            | 50                            |
| 4            | 0000 <b>503 257 01</b> | 1             | 1    | 1    | 1    | 1    |            | 52                            |
| 5            | 0000 <b>503 258 11</b> | 1             | 1    | 1    | 1    | 1    |            | D1 54 x 70 x 8                |
| 7            | 0000 <b>503 304 00</b> | 1             | 1    | 1    | 1    | 1    |            | D1 27 x 2                     |
| 8            | 0000 <b>040 004 00</b> | 1             | 1    | 1    | 1    | 1    |            |                               |
| 9            | 0000 <b>503 990 00</b> | 1             | 1    | 1    | 1    | 1    |            | JL 32 x 1,2 DIN 472           |
| 11           | 0000 <b>504 174 00</b> | 12            | 12   | 12   | 13   | 13   |            | M 8 x 30 DIN 912-8.8 A3C/6900 |
| 14           | -----                  | -             | -    | -    | -    | -    |            |                               |
| 15           | 0000 <b>040 003 10</b> | 1             | 1    | 1    | 1    | 1    |            |                               |
| 16           | 0000 <b>040 232 11</b> | 1             | 1    | 1    | 1    | 1    |            |                               |
| 17           | 0000 <b>503 647 01</b> | 1             | 1    | 1    | 1    | 1    |            | 32 x 52 x 7                   |
| 19           | 0000 <b>012 934 21</b> | 1             | 1    | 1    | -    | -    |            | SAE, HP, FP                   |
| 20           | -----                  | -             | -    | -    | -    | -    |            |                               |



M12, M14

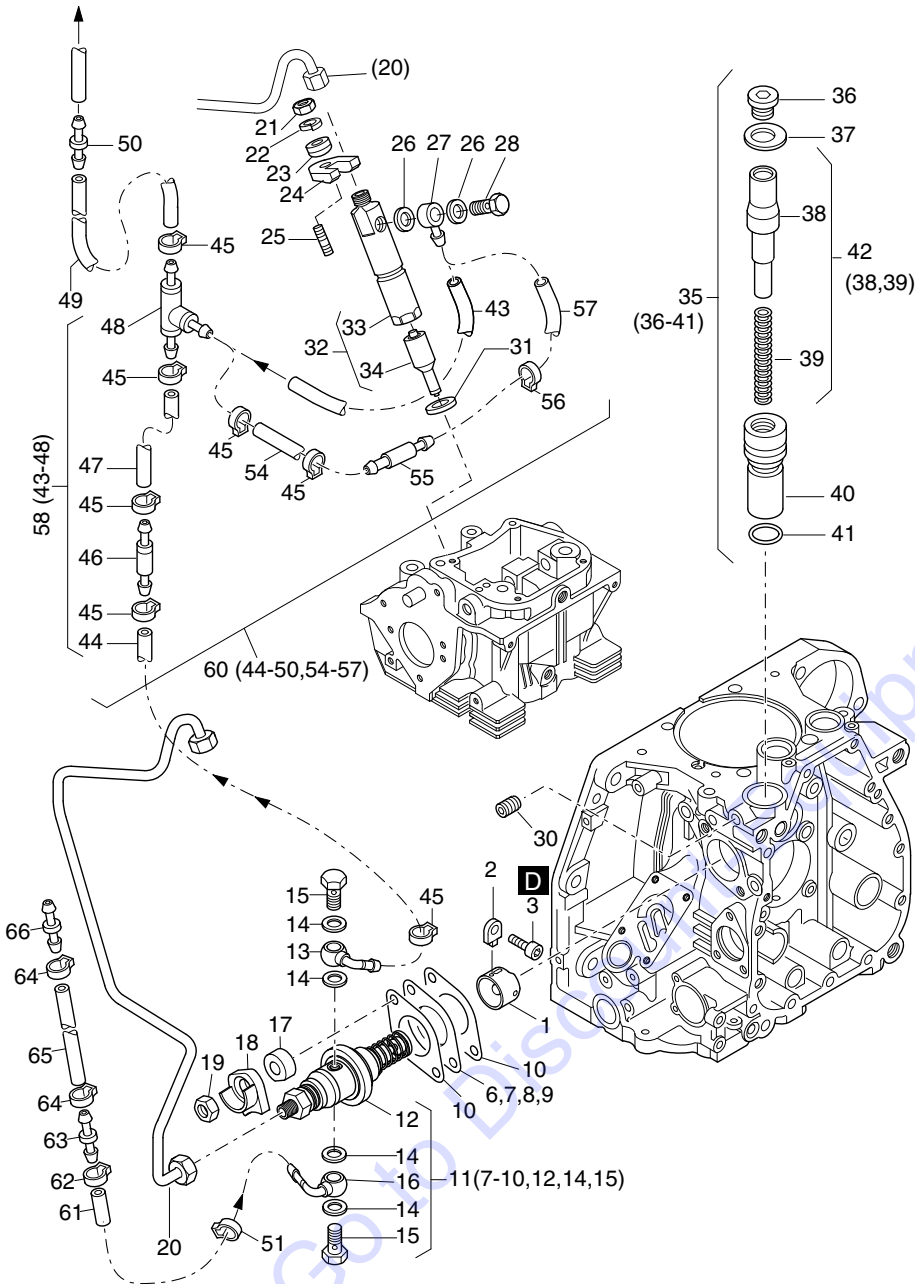
Extra fuel device, Injection equipment  
Startfüllung, Einspritzausrüstung  
Surcharge, Equipement d'injection  
Sobre aliment.-arranque, Equipo de inyección  
Supplemento, Equipaggiamento iniezione



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen       |
|--------------|-------------------|---------------|------------|----------------------------|
| 1            | 0000 504 929 00   | 1             | 1          |                            |
| 2            | 0000 041 692 00   | 1             | 1          |                            |
| 3            | 0000 500 506 00   | 1             | 1          | M 6 x 12 DIN 912-8.8       |
| 3            | 0000 500 507 00   | 1             | 1          | M 6 x 16 DIN 912-8.8       |
| 6            | 0000 032 097 00   | 0-1           | 0-1        | 0,30 / 42,2                |
| 7            | 0000 041 024 00   | 0-1           | 0-1        | 0,60 / 42,2                |
| 8            | 0000 041 025 00   | 0-1           | 0-1        | 0,90 / 42,2                |
| 9            | 0000 041 026 00   | 0-1           | 0-1        | 1,20 / 42,2                |
| 10           | 0000 040 713 00   | 0-2           | 0-2        | D3 0,10 mm                 |
| 10           | 0000 041 022 00   | 0-2           | 0-2        | 0,20 mm                    |
| 10           | 0000 041 023 00   | 0-2           | 0-2        | 0,30 mm                    |
| 11           | 0000 018 643 02   | 1             | -          | NPFE 1QLC65-204            |
| 11           | 0000 022 590 00   | -             | 1          | NPFE 1QLC75-308C           |
| 11           | 0000 023 580 00   | -             | 1          | NPFE 1QLC75-213            |
| 11           | 0000 018 645 02   | -             | 1          | NPFE 1QLC80-303            |
| 12           | -                 | -             | -          |                            |
| 13           | 0000 052 997 01   | 1             | 1          |                            |
| 13           | 0000 053 601 00   | -             | -          | "C"                        |
| 14           | 0000 505 863 00   | 4             | 4          | D4                         |
| 15           | 0000 505 778 01   | 2             | 2          | M 8 x 1                    |
| 16           | 0000 052 997 01   | 1             | 1          |                            |
| 17           | 0000 042 393 00   | 2             | 2          |                            |
| 18           | 0000 042 391 00   | 2             | 2          |                            |
| 19           | 0000 042 443 00   | 2             | 2          | M8 / R11                   |
| 20           | 0000 013 118 10   | 1             | 1          |                            |
| 20           | 0000 013 136 20   | -             | -          |                            |
| 21           | 0000 501 480 00   | 1             | 1          | M 8 DIN 934-8 A3C          |
| 22           | 0000 502 085 00   | 1             | 1          | 8 DIN 128 A3C              |
| 23           | 0000 040 357 00   | 1             | 1          |                            |
| 24           | 0000 037 924 01   | 1             | 1          |                            |
| 25           | 0000 502 792 00   | 1             | 1          | M 8 x 40 DIN 835-8.8 A3C   |
| 25           | 0000 500 384 00   | -             | -          | M 8 x 35 DIN 835-8.8 A3C   |
| 26           | 0000 500 008 00   | 2             | 2          | d2 A 6,5 x 9,5 DIN 7603-Cu |
| 27           | 0000 503 334 00   | 1             | 1          |                            |
| 28           | 0000 503 130 00   | 1             | 1          | M 6                        |
| 30           | 0000 500 046 00   | 1             | 1          | M 8 x 16 A3C DIN 916-45H   |
| 31           | 0000 040 258 00   | 1             | 1          | d1                         |
| 31           | 0000 041 852 00   | -             | -          | d1                         |

M12, M14

Extra fuel device, Injection equipment  
Startfüllung, Einspritzausrüstung  
Surcharge, Equipement d'injection  
Sobre aliment.-arranque, Equipo de inyección  
Supplemento, Equipaggiamento iniezione

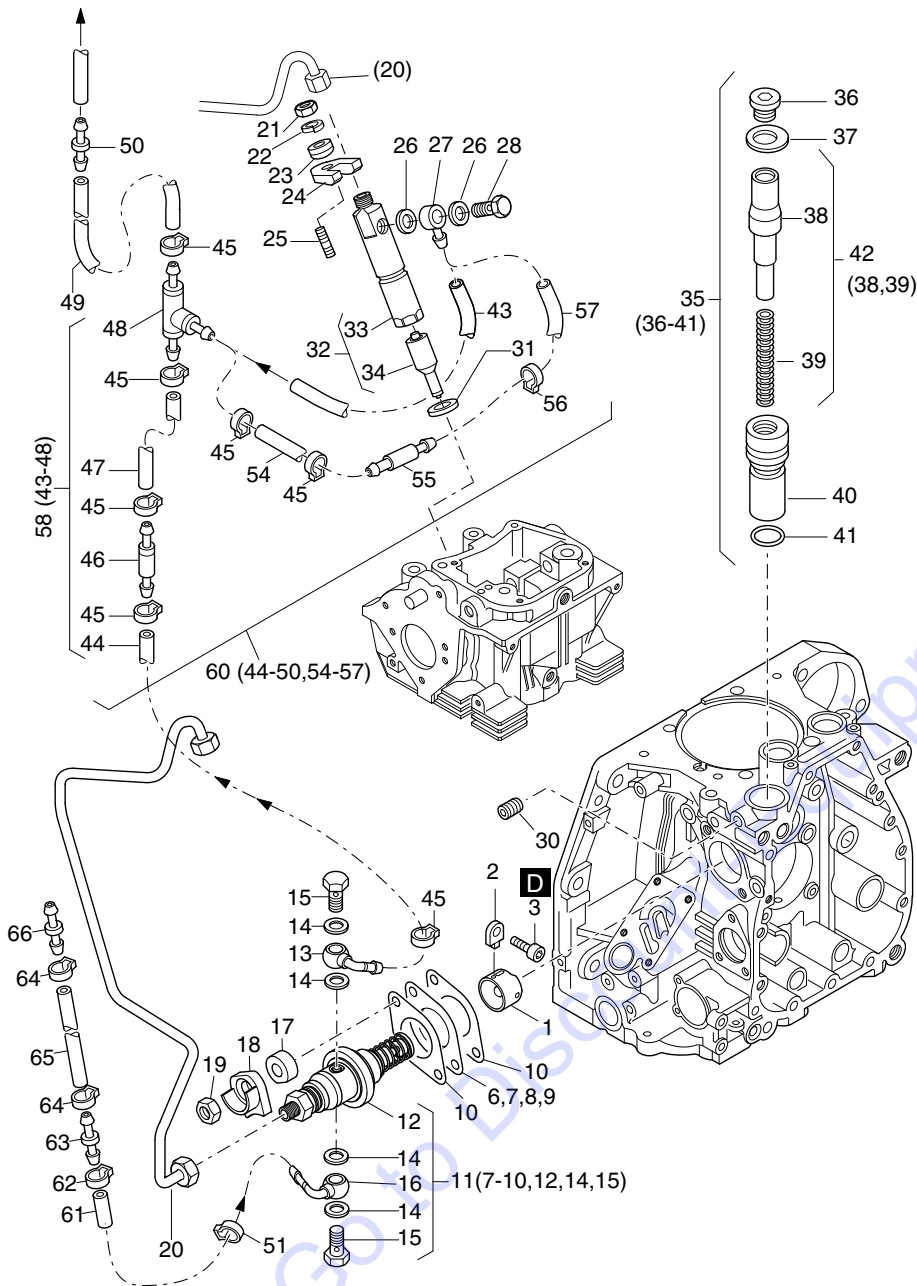


| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D                                                      | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|-----------------------------------------------------------------|----------------------|
| 32           | 0000 505 669 00   | 1             | 1D41 EPA TIER IV<br>Serial No. 094 22 ...                       |                      |
| 32           | 0000 505 985 00   | 1             | 1D42(C) EPA TIER IV<br>Serial No. 133 11 ...                    |                      |
| 32           | 0000 505 671 10   | 1             | 1D42 EPA TIER IV final<br>Serial No. 155 10 ...                 |                      |
| 32           | 0000 505 673 10   | 1             | 1D42C EPA TIER IV final<br>Serial No. 157 10 ...                |                      |
| 32           | 0000 506 542 00   | 1             | 1D50 EPA TIER IV<br>Serial No. 108 20 ...                       |                      |
| 32           | 0000 504 930 01   | 1             | 1D50 EPA TIER IV final<br>Serial No. 156 10 ...                 |                      |
| 32           | 0000 505 675 00   | 1             | 1D81 EPA TIER IV<br>Serial No. 073 27 ...                       |                      |
| 33           | -----             | -----         | 1D81 EPA TIER IV final variable speed<br>Serial No. 159 27 ...  |                      |
| 34           | 0000 505 670 00   | 1             | 1D81C EPA TIER IV final variable speed<br>Serial No. 160 27 ... |                      |
| 34           | 0000 505 986 00   | 1             | 1D81 Minimum load<br>Serial No. 316 27 ...                      |                      |
| 34           | 0000 505 672 10   | 1             | 1D90 EPA TIER IV final<br>Serial No. 108 20 ...                 |                      |
| 34           | 0000 505 674 10   | 1             |                                                                 |                      |
| 34           | 0000 506 511 00   | 1             |                                                                 |                      |
| 34           | 0000 504 931 01   | 1             |                                                                 |                      |
| 34           | 0000 505 676 00   | 1             |                                                                 |                      |
| 35           | 0000 014 989 02   | 0-1           |                                                                 |                      |
| 35           | 0000 015 058 01   | 0-1           |                                                                 |                      |
| 35           | 0000 014 990 01   | 0-1           |                                                                 |                      |
| 36           | 0000 503 308 00   | 1             |                                                                 |                      |
| 37           | 0000 040 016 00   | 1             |                                                                 |                      |
| 38           | -----             | -----         |                                                                 |                      |
| 39           | 0000 050 352 00   | 1             |                                                                 |                      |
| 40           | 0000 040 014 10   | 1             |                                                                 |                      |
| 41           | 0000 503 289 00   | 1             |                                                                 |                      |
| 42           | 0000 015 195 00   | 0-1           |                                                                 |                      |
| 42           | 0000 015 123 00   | 0-1           |                                                                 |                      |
| 42           | 0000 015 122 00   | 0-1           |                                                                 |                      |
| 43           | 0000 039 621 10   | 1             |                                                                 |                      |
| 44           | 0000 053 102 00   | 1             |                                                                 |                      |
| 44           | 0000 053 180 00   | 1             |                                                                 |                      |
| 44           | 0000 053 664 00   | 1             |                                                                 |                      |
| 45           | 0000 505 709 00   | 4-7           |                                                                 |                      |
| 46           | 0000 008 055 02   | 1             |                                                                 |                      |
| 47           | 0000 053 103 00   | 1             |                                                                 |                      |
| 47           | 0000 053 099 00   | 1             |                                                                 |                      |
| 47           | 0000 053 101 00   | 1             |                                                                 |                      |
| 48           | 0000 039 896 01   | 1             |                                                                 |                      |
| 48           | 0000 052 424 00   | 1             |                                                                 |                      |

"T"  
"T"  
M16x1,5DIN908-5.8A3CTuf.  
  
22 x 1,6  
  
"T"  
"T"  
3,5 x 160 mm  
4,5 x 135 mm  
4,5 x 100 mm "C"  
6 x 12 x 40mm "C"  
12,8  
  
4,5 x 150 mm  
4,5 x 55 mm "C"  
4,5 x 170 mm  
  
NW 3 "C"

M12, M14

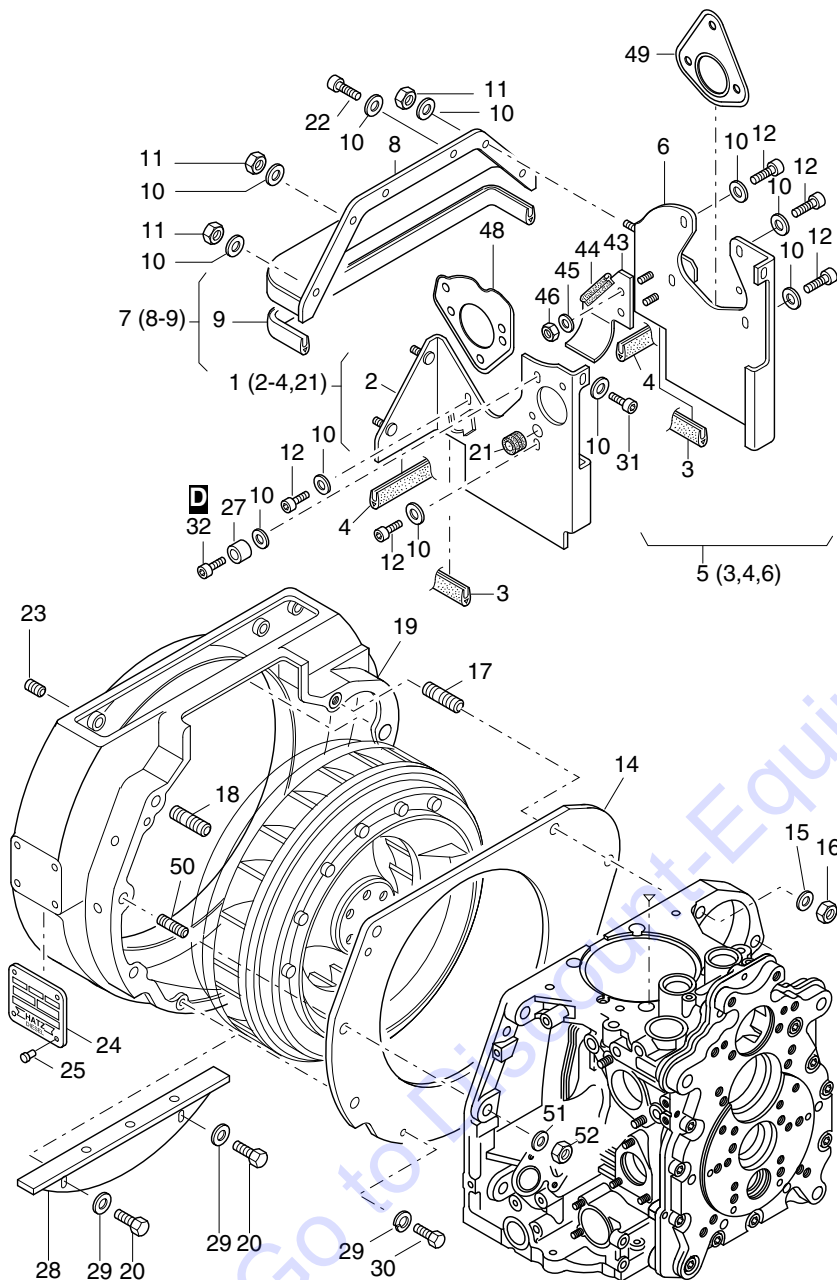
Extra fuel device, Injection equipment  
Startfüllung, Einspritzausrüstung  
Surcharge, Equipement d'injection  
Sobre aliment.-arranque, Equipo de inyección  
Supplemento, Equipaggiamento iniezione



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|------------|----------------------|
| 49           | 0000 040 897 10   | 1             | 1          | 5 x 510 mm "C"       |
| 49           | 0000 053 104 00   | -             | -          | 5 x 875 mm "C"       |
| 50           | 0000 502 796 00   | 1             | 1          | "C"                  |
| 51           | 0000 505 900 00   | 1             | 1          | 12,0                 |
| 54           | 0000 053 181 00   | 1             | 1          | 5 x 60 mm "C"        |
| 54           | 0000 053 318 00   | 1             | 1          | 5 x 85 mm "C"        |
| 55           | 0000 053 012 00   | 1             | 1          | "C"                  |
| 56           | 0000 503 998 01   | 1             | 1          | 11,3 "C"             |
| 57           | 0000 053 182 00   | 1             | 1          | 3,5 x 205 mm "C"     |
| 57           | 0000 053 319 00   | -             | -          | 3,5 x 275 mm "C"     |
| 58           | 0000 014 574 10   | 1             | 1          | "S-Z"                |
| 58           | 0000 011 899 10   | -             | -          | "S-Z"                |
| 60           | 0000 014 769 10   | 1             | 1          | "C"                  |
| 60           | 0000 019 714 01   | -             | -          | "C"                  |
| 61           | 0000 036 643 10   | 1             | 1          | 5 x 75 "C"           |
| 62           | 0000 505 709 00   | 1             | 1          | 12,8 "C"             |
| 63           | 0000 052 404 00   | 1             | 1          | "C"                  |
| 64           | 0000 505 238 00   | 2             | 2          | 16,0 "C"             |
| 65           | 0000 034 936 10   | 1             | 1          | 7 x 330 mm "C"       |
| 65           | 0000 053 375 01   | -             | -          | 7 x 570 mm "C"       |
| 66           | 0000 036 581 01   | 1             | 1          | "C"                  |

# M26a

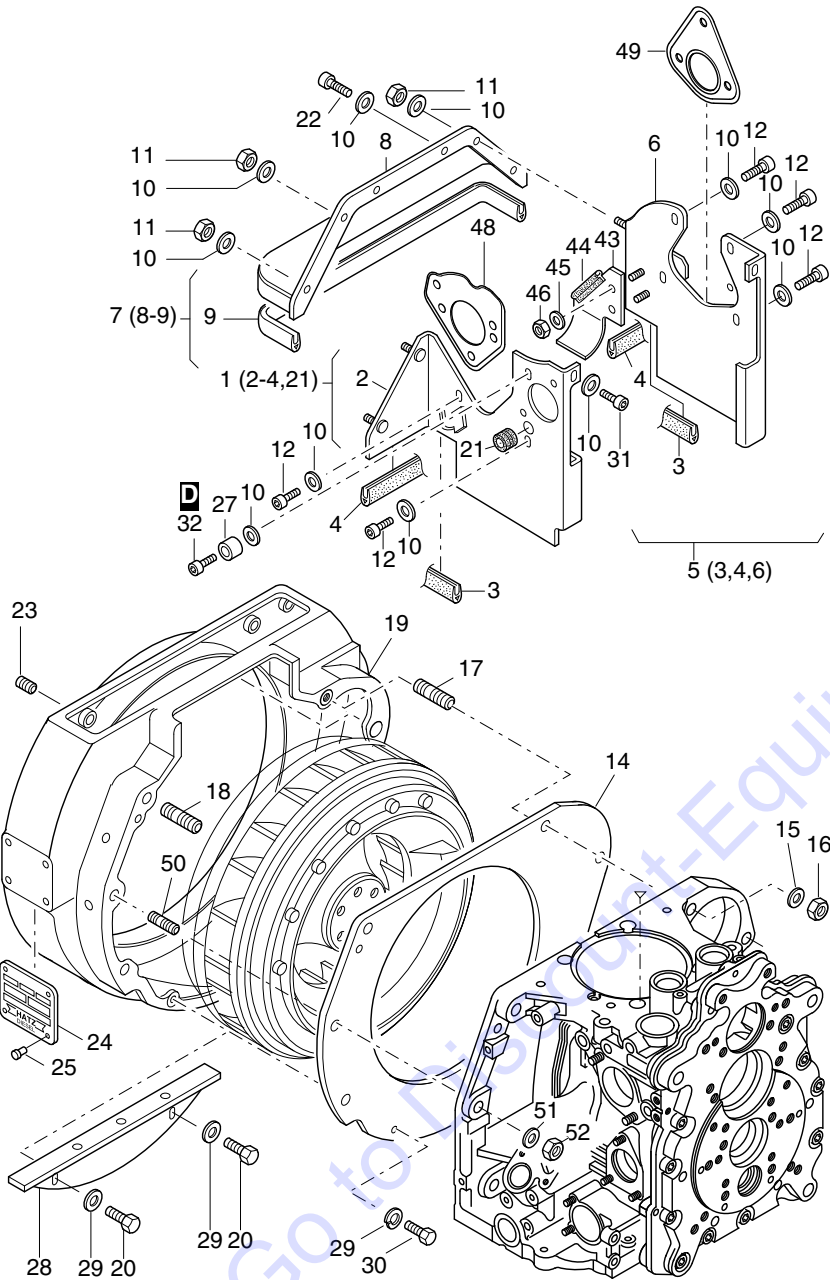
Air ducting S, Z  
 Luftführung S, Z  
 Carter ventilation S, Z  
 Conducción de aire S, Z  
 Carter ventilatore S, Z



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |        |        | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|---------------|------|------|--------|--------|------------|---------------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81   | 1D90   |            |                                 |
| 1            | 0000 012 609 20   | 1             | 1    | -    | -      | -      |            |                                 |
| 1            | 0000 013 449 10   | -             | -    | 1    | -      | -      |            |                                 |
| 1            | 0000 012 462 23   | -             | -    | -    | 1      | 1      |            |                                 |
| 2            | -----             | -             | -    | -    | -      | -      |            |                                 |
| 3            | 0000 041 463 00   | 2             | 2    | -    | -      | -      |            | 29 mm                           |
| 3            | 0000 040 309 01   | -             | -    | 2    | -      | -      |            | 29 mm                           |
| 3            | 0000 040 076 01   | -             | -    | -    | 2      | 2      |            | 35 mm                           |
| 4            | 0000 041 464 00   | 2             | 2    | -    | -      | -      |            | 41 mm                           |
| 4            | 0000 040 308 01   | -             | -    | 2    | -      | -      |            | 41 mm                           |
| 4            | 0000 040 077 20   | -             | -    | -    | 2      | 2      |            | 76 mm                           |
| 5            | 0000 012 610 10   | 1             | 1    | -    | -      | -      |            |                                 |
| 5            | 0000 013 448 10   | -             | -    | 1    | -      | -      |            |                                 |
| 5            | 0000 012 464 13   | -             | -    | -    | 1      | 1      |            |                                 |
| 6            | -----             | -             | -    | -    | -      | -      |            |                                 |
| 7            | 0000 012 611 01   | 1             | 1    | -    | -      | -      |            |                                 |
| 7            | 0000 013 447 00   | -             | -    | 1    | -      | -      |            |                                 |
| 7            | 0000 012 466 00   | -             | -    | -    | 1      | 1      |            |                                 |
| 8            | -----             | -             | -    | -    | -      | -      |            |                                 |
| 9            | 0000 041 465 00   | 1             | 1    | -    | -      | -      |            | 304 mm                          |
| 9            | 0000 040 310 01   | -             | -    | 1    | -      | -      |            | 308 mm                          |
| 9            | 0000 040 079 01   | -             | -    | -    | 1      | 1      |            | 406 mm                          |
| 10           | 0000 503 907 01   | 15            | 15   | 15   | 15     | 15     |            | 6 DIN 6796 - 6 - FST ZN         |
| 11           | 0000 501 444 00   | 4             | 4    | 4    | 4      | 4      |            | M 6 DIN 934 - 8 A3C             |
| 12           | 0000 503 842 00   | 6             | 6    | 6    | -      | -      |            | M 6x12 DIN 912-8.8 A3C Tuf.     |
| 12           | 0000 505 281 00   | -             | -    | -    | 7      | 7      |            | M6x16DIN6912-8.8A3C KL360G      |
| 14           | 0000 040 311 00   | 1             | 1    | -    | -      | -      |            |                                 |
| 14           | 0000 041 365 01   | -             | -    | 1    | -      | -      |            |                                 |
| 14           | 0000 040 085 00   | -             | -    | -    | 1      | 1      |            | s.Grp Z05a Pos.18               |
| 15           | 0000 500 937 00   | 2             | 2    | 2    | 2      | 2      |            | 13 DIN 125-St A3C               |
| 16           | 0000 500 936 00   | 2             | 2    | 2    | 2      | 2      |            | M12 DIN 934-8 A3C               |
| 17           | 0000 504 750 00   | 2             | 2    | 2    | 2      | 2      |            | M 12 x 40 DIN 835-8.8 A3C       |
| 18           | 0000 500 409 00   | 3             | 3    | 3    | -      | -      |            | M 10 x 35 DIN 835 - 8.8         |
| 18           | 0000 504 750 00   | -             | -    | -    | 4      | 4      |            | M 12 x 40 DIN 835-8.8 A3C       |
| 19           | 0000 016 889 00   | 1             | 1    | -    | -      | -      |            | SAE 6                           |
| 19           | 0000 016 890 00   | -             | -    | 1    | -      | -      |            | SAE 5                           |
| 19           | 0000 016 891 00   | -             | -    | -    | 1      | 1      |            | SAE 5                           |
| 20           | 0000 503 335 00   | -             | -    | -    | 0... 2 | 0... 2 |            | M 6 x 8 DIN 933-8.8 A3C         |
| 21           | 0000 503 348 00   | 1             | 1    | 1    | 1      | 1      |            |                                 |
| 22           | 0000 504 168 00   | 2             | 2    | 2    | 2      | 2      |            | M 6 x 16 DIN 912 - 8.8 A3C Tuf. |
| 23           | 0000 502 260 00   | 2             | 2    | 4    | 4      | 4      |            | M 8 x 6 DIN 913-45H TU.FLEC     |
| 24           | -----             | -             | -    | -    | -      | -      |            |                                 |
| 25           | 0000 400 025 00   | 4             | 4    | 4    | 4      | 4      |            | 2,4                             |
| 27           | 0000 039 364 00   | 1             | 1    | 1    | -      | -      |            | 6,2 x 8 x 5,5                   |
| 28           | 0000 040 804 10   | -             | -    | -    | 0... 1 | 0... 1 |            |                                 |
| 29           | 0000 501 709 00   | 2             | 2    | 2    | 2... 4 | 2... 4 |            | 6 DIN 128 - A3C                 |

M26a

Air ducting S, Z  
Luftführung S, Z  
Carter ventilation S, Z  
Conducción de aire S, Z  
Carter ventilatore S, Z

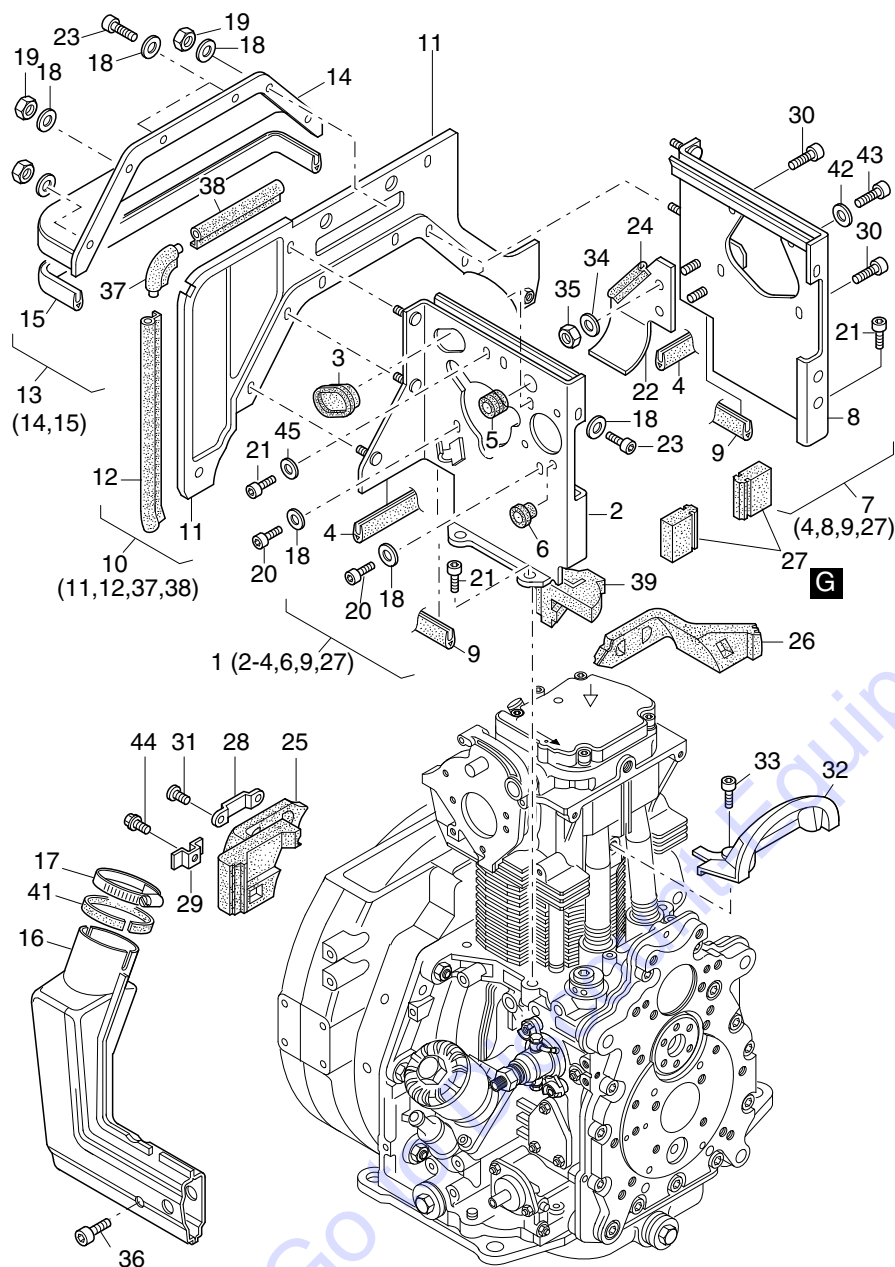


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|------------------------|---------------|------|------|------|------|------------|---------------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                                 |
| 30           | 0000 <b>501 771 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 6 x 16 DIN 933-8.8 A3C        |
| 31           | 0000 <b>504 168 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 6 x 16 DIN 912 - 8.8 A3C Tuf. |
| 32           | 0000 <b>504 742 00</b> | 1             | 1    | 1    | -    | -    |            | M6x16 DIN912-8.8 A3C Tuf.360    |
| 43           | 0000 <b>013 098 00</b> | -             | 1    | 1    | -    | -    |            |                                 |
| 43           | 0000 <b>012 680 10</b> | -             | -    | -    | 1    | 1    |            |                                 |
| 44           | 0000 <b>040 855 00</b> | -             | 1    | 1    | -    | -    |            | 60 mm                           |
| 44           | 0000 <b>040 388 00</b> | -             | -    | -    | 1    | 1    |            | 94 mm                           |
| 45           | 0000 <b>501 200 00</b> | -             | 2    | 2    | 2    | 2    |            | A 6,4 DIN 9021-St A3C           |
| 46           | 0000 <b>503 283 00</b> | -             | 2    | 2    | 2    | 2    |            | VM 6 DIN 980-8 A3C              |
| 48           | 0000 <b>042 125 00</b> | 1             | 1    | 1    | -    | -    |            |                                 |
| 48           | 0000 <b>041 257 00</b> | -             | -    | -    | 1    | 1    |            |                                 |
| 49           | 0000 <b>042 126 01</b> | 1             | 1    | 1    | -    | -    |            |                                 |
| 49           | 0000 <b>041 256 01</b> | -             | -    | -    | 1    | 1    |            |                                 |
| 50           | 0000 <b>500 412 00</b> | 1             | 1    | 1    | -    | -    |            | M 10 x 45 DIN 835 - 8.8         |
| 51           | 0000 <b>501 459 00</b> | 4             | 4    | 4    | -    | -    |            | 10,5 DIN 125-St A3C             |
| 51           | 0000 <b>500 937 00</b> | -             | -    | -    | 4    | 4    |            | 13 DIN 125-St A3C               |
| 52           | 0000 <b>501 458 00</b> | 4             | 4    | 4    | -    | -    |            | M 10 DIN 934-8 A3C              |
| 52           | 0000 <b>500 936 00</b> | -             | -    | -    | 4    | 4    |            | M12 DIN 934-8 A3C               |



# M26b

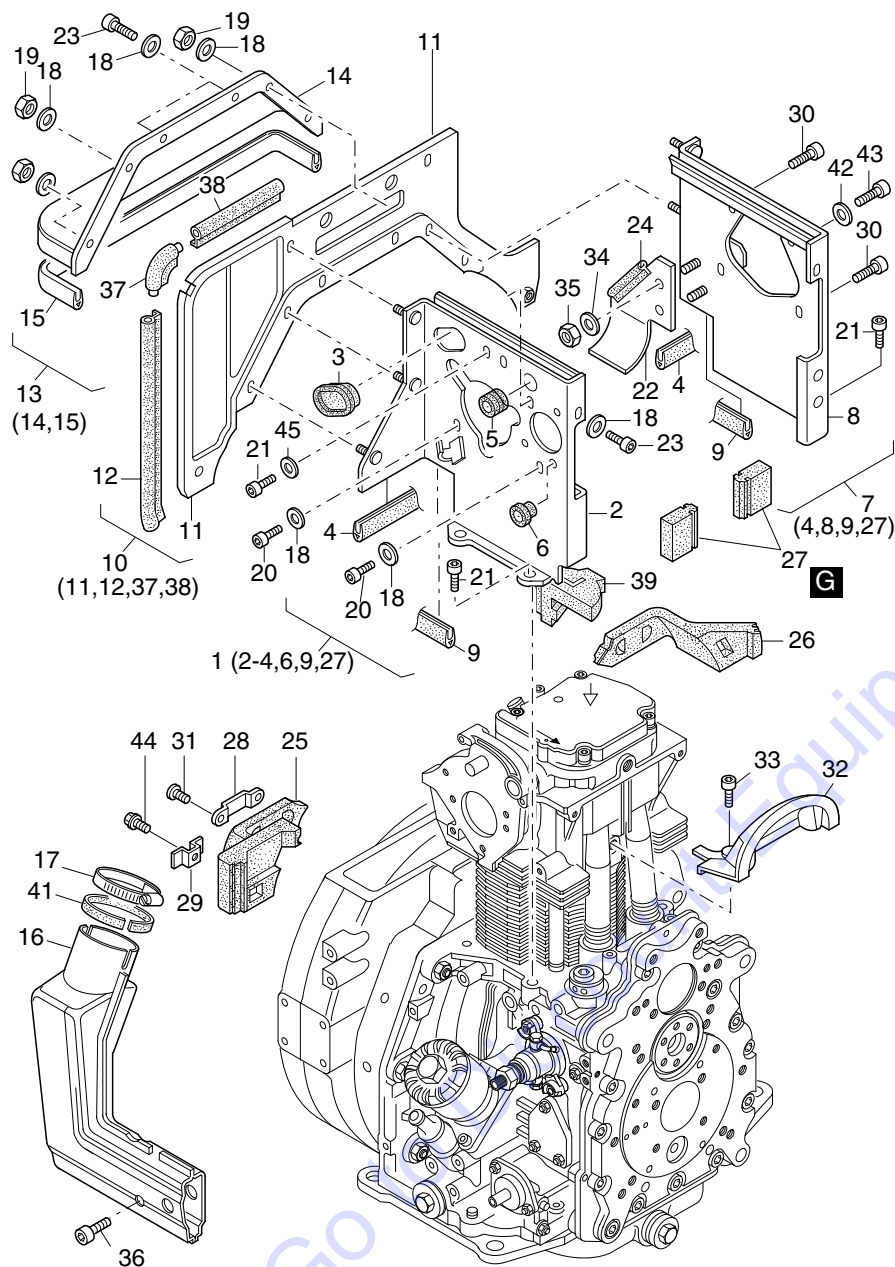
Air ducting C  
Luftführung C  
Carter ventilation C  
Conducción de aire C  
Carter ventilatore C



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |       |       |       | W<br>d / D | Notes<br>Bemerkungen            |
|--------------|-------------------|---------------|-------|-------|-------|------------|---------------------------------|
|              |                   | 1D41C         | 1D42C | 1D81C | 1D90C |            |                                 |
| 1            | 0000 012 908 10   | 1             | 1     | -     | -     |            |                                 |
| 1            | 0000 012 790 11   | -             | -     | 1     | 1     |            |                                 |
| 2            | -----             | -             | -     | -     | -     |            |                                 |
| 3            | 0000 040 786 00   | 1             | 1     | -     | -     |            |                                 |
| 3            | 0000 040 553 00   | -             | -     | 1     | 1     |            |                                 |
| 4            | 0000 040 308 01   | 2             | 2     | -     | -     |            | 41 mm                           |
| 4            | 0000 040 077 20   | -             | -     | 2     | 2     |            | 76 mm                           |
| 5            | 0000 040 554 01   | -             | -     | 1     | 1     |            |                                 |
| 6            | 0000 503 348 00   | 1             | 1     | 1     | 1     |            |                                 |
| 7            | 0000 012 907 10   | 1             | 1     | -     | -     |            |                                 |
| 7            | 0000 012 789 21   | -             | -     | 1     | 1     |            |                                 |
| 8            | -----             | -             | -     | -     | -     |            |                                 |
| 9            | 0000 040 309 01   | 2             | 2     | -     | -     |            | 29 mm                           |
| 9            | 0000 040 076 01   | -             | -     | 2     | 2     |            | 35 mm                           |
| 10           | 0000 012 906 00   | 1             | 1     | -     | -     |            |                                 |
| 10           | 0000 012 787 10   | -             | -     | 1     | 1     |            |                                 |
| 11           | -----             | -             | -     | -     | -     |            |                                 |
| 12           | 0000 040 669 00   | 1             | 1     | 1     | 1     |            | 228 mm                          |
| 13           | 0000 012 904 01   | 1             | 1     | -     | -     |            |                                 |
| 13           | 0000 012 773 01   | -             | -     | 1     | 1     |            |                                 |
| 14           | -----             | -             | -     | -     | -     |            |                                 |
| 15           | 0000 041 465 00   | 1             | 1     | -     | -     |            | 304 mm                          |
| 15           | 0000 040 079 01   | -             | -     | 1     | 1     |            | 406 mm                          |
| 16           | 0000 013 076 00   | 1             | 1     | -     | -     |            |                                 |
| 16           | 0000 012 745 03   | -             | -     | 1     | 1     |            |                                 |
| 17           | 0000 400 715 00   | 1             | 1     | -     | -     |            | 32 - 50                         |
| 17           | 0000 503 399 00   | -             | -     | 1     | 1     |            | 40 / 60                         |
| 18           | 0000 503 907 01   | 13            | 13    | 13    | 13    |            | 6 DIN 6796 - 6 - FST ZN         |
| 19           | 0000 501 444 00   | 4             | 4     | 4     | 4     |            | M 6 DIN 934 - 8 A3C             |
| 20           | 0000 503 842 00   | 2             | 2     | -     | -     |            | M 6x12 DIN 912-8.8 A3C Tuf.     |
| 20           | 0000 505 281 00   | -             | -     | 3     | 3     |            | M6x16DIN6912-8.8A3C KL360G      |
| 21           | 0000 504 168 00   | 4             | 4     | -     | -     |            | M 6 x 16 DIN 912 - 8.8 A3C Tuf. |
| 21           | 0000 505 366 00   | -             | -     | 5     | 5     |            | M 8 x 18 DIN 912-8.8 A3C Tuf.   |
| 22           | 0000 013 098 00   | 1             | 1     | -     | -     |            |                                 |
| 22           | 0000 012 680 10   | -             | -     | 1     | 1     |            |                                 |
| 23           | 0000 504 168 00   | 4             | 4     | 4     | 4     |            | M 6 x 16 DIN 912 - 8.8 A3C Tuf. |
| 24           | 0000 040 855 00   | 1             | 1     | -     | -     |            | 60 mm                           |
| 24           | 0000 040 388 00   | -             | -     | 1     | 1     |            | 94 mm                           |
| 25           | 0000 040 755 00   | 1             | 1     | -     | -     |            |                                 |
| 25           | 0000 040 450 10   | -             | -     | 1     | 1     |            |                                 |
| 26           | 0000 040 754 00   | 1             | 1     | -     | -     |            |                                 |
| 26           | 0000 040 446 10   | -             | -     | 1     | 1     |            |                                 |
| 27           | 0000 040 459 00   | -             | -     | 2     | 2     |            |                                 |
| 28           | 0000 040 449 00   | -             | -     | 2     | 2     |            |                                 |
| 29           | 0000 040 756 00   | 4             | 4     | -     | -     |            |                                 |

# M26b

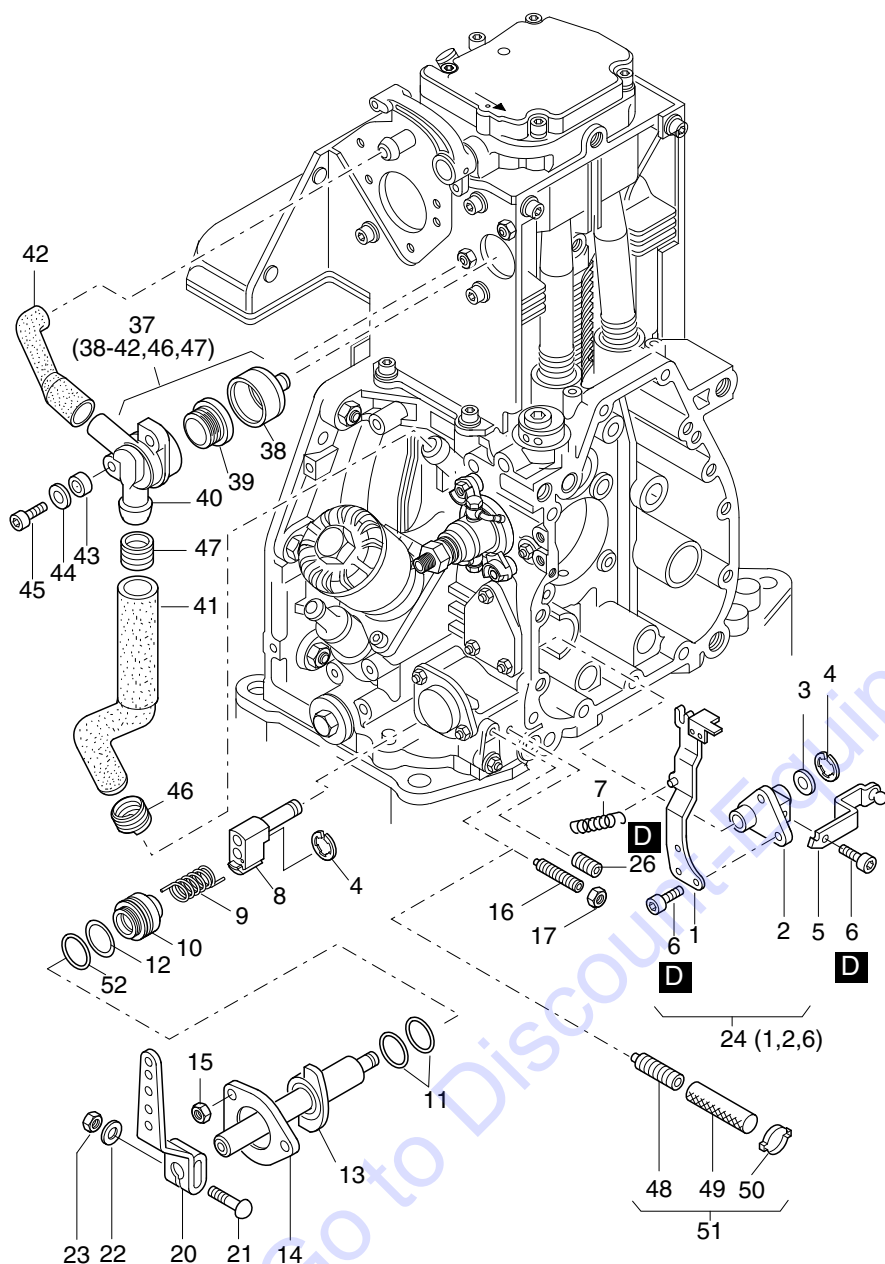
Air ducting C  
Luftführung C  
Carter ventilation C  
Conducción de aire C  
Carter ventilatore C



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |       |       |       | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|------------------------|---------------|-------|-------|-------|------------|-----------------------------|
|              |                        | 1D41C         | 1D42C | 1D81C | 1D90C |            |                             |
| 29           | 0000 <b>040 448 00</b> | -             | -     | 2     | 2     |            |                             |
| 30           | 0000 <b>501 491 00</b> | 3             | 3     | -     | -     |            | M 6 x 12 DIN 912-8.8A3C     |
| 30           | 0000 <b>505 281 00</b> | -             | -     | 4     | 4     |            | M6x16DIN6912-8.8A3C KL360G  |
| 31           | 0000 <b>040 447 00</b> | -             | -     | 4     | 4     |            | M 8 x 16                    |
| 32           | 0000 <b>012 721 00</b> | -             | -     | 1     | 1     |            |                             |
| 33           | 0000 <b>503 356 00</b> | -             | -     | 2     | 2     |            | M 6 x 16 KZ 1-8.8 A3D       |
| 34           | 0000 <b>501 200 00</b> | 2             | 2     | 2     | 2     |            | A 6,4 DIN 9021-St A3C       |
| 35           | 0000 <b>503 283 00</b> | 2             | 2     | 2     | 2     |            | VM 6 DIN 980-8 A3C          |
| 36           | 0000 <b>501 706 00</b> | 1             | 1     | 1     | 1     |            | M 6 x 20 DIN 912-8.8A3C     |
| 37           | 0000 <b>040 664 00</b> | 1             | 1     | 1     | 1     |            |                             |
| 38           | 0000 <b>040 749 00</b> | 1             | 1     | -     | -     |            | 100 mm                      |
| 38           | 0000 <b>040 667 00</b> | -             | -     | 1     | 1     |            | 104 mm                      |
| 39           | 0000 <b>040 796 00</b> | 1             | 1     | -     | -     |            |                             |
| 41           | 0000 <b>040 891 00</b> | 1             | 1     | -     | -     |            | 13 x 1 x 148                |
| 41           | 0000 <b>040 892 00</b> | -             | -     | 1     | 1     |            | 13 x 1 x 167                |
| 42           | 0000 <b>501 709 00</b> | 1             | 1     | -     | -     |            | 6 DIN 128 - A3C             |
| 43           | 0000 <b>503 842 00</b> | 1             | 1     | -     | -     |            | M 6x12 DIN 912-8.8 A3C Tuf. |
| 44           | 0000 <b>506 062 00</b> | 4             | 4     | 2     | 2     |            | M 6 x 12 KZ 1-8.8 A3D       |
| 45           | 0000 <b>501 481 00</b> | -             | -     | 1     | 1     |            | 8,4 DIN 125-St A3C          |

# M31, M32

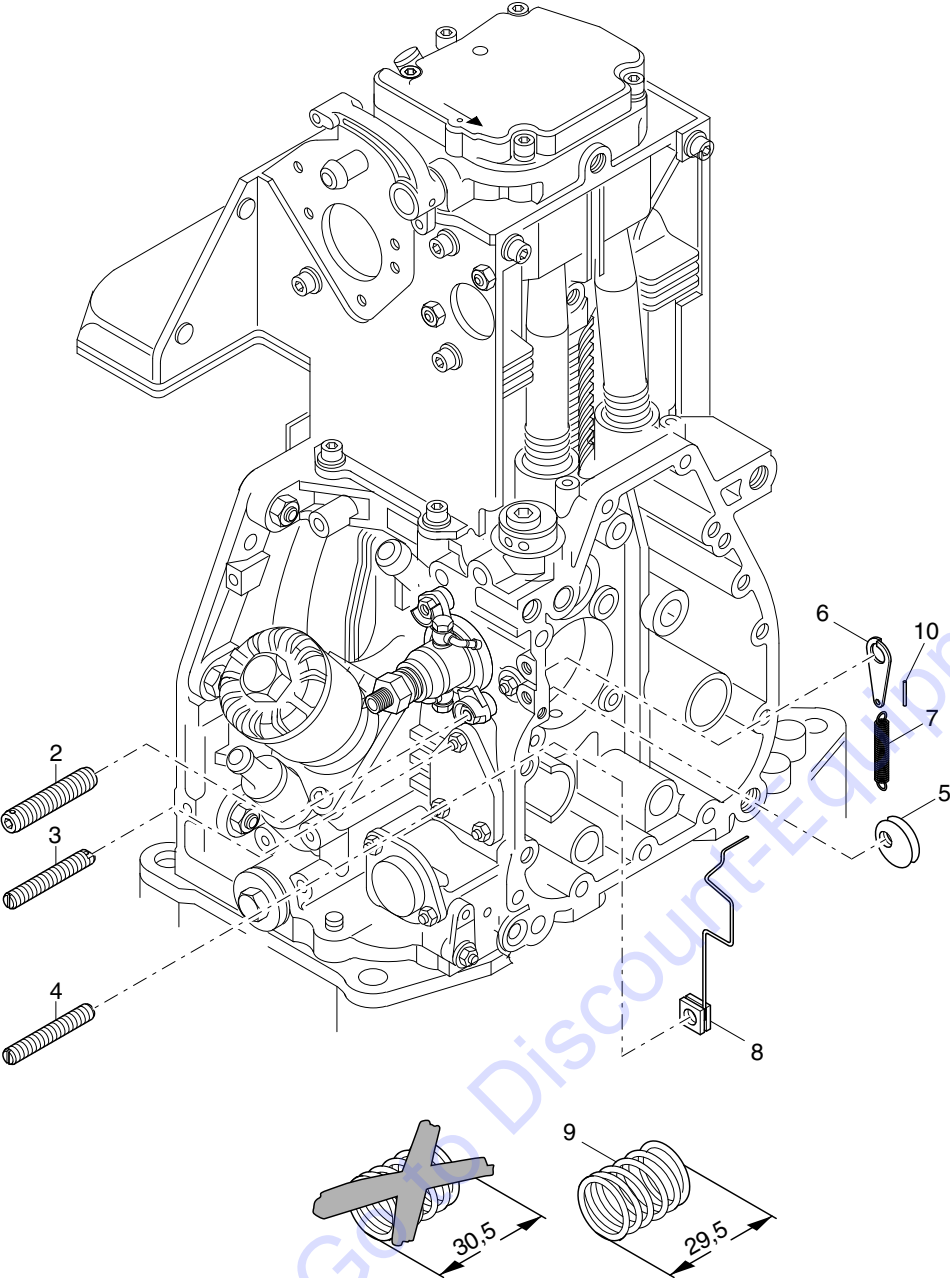
Breather, speed control  
Entlüftung, Drehzahlverstellung  
Purge d'air, réglage régime  
Purgo de aire, Ajuste de revoluciones  
Sfiatantóio, Regolatore di giri



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------|------|------|------|------------|-----------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                             |
| 1            | -----             | -             | -    | -    | -    | -    |            |                             |
| 2            | -----             | -             | -    | -    | -    | -    |            |                             |
| 3            | 0000 040 001 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 4            | 0000 502 661 00   | 2             | 2    | 2    | 2    | 2    |            | 6 DIN 6799                  |
| 5            | 0000 040 375 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 6            | 0000 503 287 01   | 4             | 4    | 4    | 4    | 4    |            | M 5 x 8 DIN 912- 8.8TUF     |
| 7            | 0000 040 002 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 8            | 0000 012 428 11   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 9            | 0000 037 990 10   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 10           | 0000 040 527 10   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 11           | 0000 504 129 00   | 2             | 2    | 2    | 2    | 2    |            | D2 18 x 2                   |
| 12           | 0000 501 299 00   | 1             | 1    | 1    | 1    | 1    |            | D1 32 x 2,5                 |
| 13           | 0000 012 792 22   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 13           | 0000 013 029 22   | 1             | 1    | -    | 1    | 1    |            | "C"                         |
| 14           | 0000 037 992 10   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 15           | 0000 503 283 00   | 3             | 3    | 3    | 3    | 3    |            | VM 6 DIN 980-8 A3C          |
| 16           | 0000 505 078 01   | 2             | 2    | 2    | 2    | 2    |            | M 6 x 45 DIN 915 (4028)     |
| 17           | 0000 501 444 00   | 2             | 2    | 2    | 2    | 2    |            | M 6 DIN 934 - 8 A3C         |
| 20           | 0000 038 883 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 21           | 0000 039 273 01   | 1             | 1    | 1    | 1    | 1    |            | M 6 x 32                    |
| 22           | 0000 501 445 00   | 1             | 1    | 1    | 1    | 1    |            | 6,4 DIN 125-St A3C          |
| 23           | 0000 503 465 00   | 1             | 1    | 1    | 1    | 1    |            | M 6 DIN 934 - 10 A2F        |
| 24           | 0000 012 468 03   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 26           | 0000 504 035 00   | 1             | 1    | 1    | 1    | 1    |            | M 8 x 20 DIN 914TUF360G     |
| 37           | 0000 013 081 01   | 1             | 1    | 1    | -    | -    |            |                             |
| 37           | 0000 013 170 00   | -             | -    | -    | 1    | 1    |            |                             |
| 38           | 0000 040 803 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 39           | 0000 035 687 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 40           | -----             | -             | -    | -    | -    | -    |            |                             |
| 41           | 0000 040 838 00   | 1             | 1    | 1    | -    | -    |            |                             |
| 41           | 0000 040 747 00   | -             | -    | -    | 1    | 1    |            |                             |
| 42           | 0000 040 748 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 43           | 0000 040 805 00   | 2             | 2    | 2    | 2    | 2    |            | 7 x 8 x 8                   |
| 44           | 0000 500 812 00   | 2             | 2    | 2    | 2    | 2    |            | A 6 DIN 137 - A3C           |
| 45           | 0000 501 707 00   | 2             | 2    | 2    | 2    | 2    |            | M 6 x 16 DIN 912-8.8A3C     |
| 46           | 0000 040 905 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 47           | 0000 041 223 00   | 1             | 1    | 1    | -    | -    |            |                             |
| 48           | 0000 504 053 01   | 1             | 1    | -    | 1    | 1    |            | M 6 x 45 DIN 915TUF180G "C" |
| 49           | 0000 050 379 00   | 1             | 1    | -    | -    | -    |            | 7 x 12 x 90 "C"             |
| 49           | 0000 050 380 00   | -             | -    | -    | 1    | 1    |            | 7 x 12 x 120 "C"            |
| 50           | 0000 503 883 00   | 1             | 1    | -    | 1    | 1    |            | 11 - 13 "C"                 |
| 51           | 0000 014 740 00   | 1             | 1    | -    | -    | -    |            | "C"                         |
| 51           | 0000 014 756 00   | -             | -    | -    | 1    | 1    |            | "C"                         |
| 52           | 0000 504 536 00   | 1             | 1    | 1    | 1    | 1    |            | 32 x 45 x 2,5 A3C DIN 988   |

M32

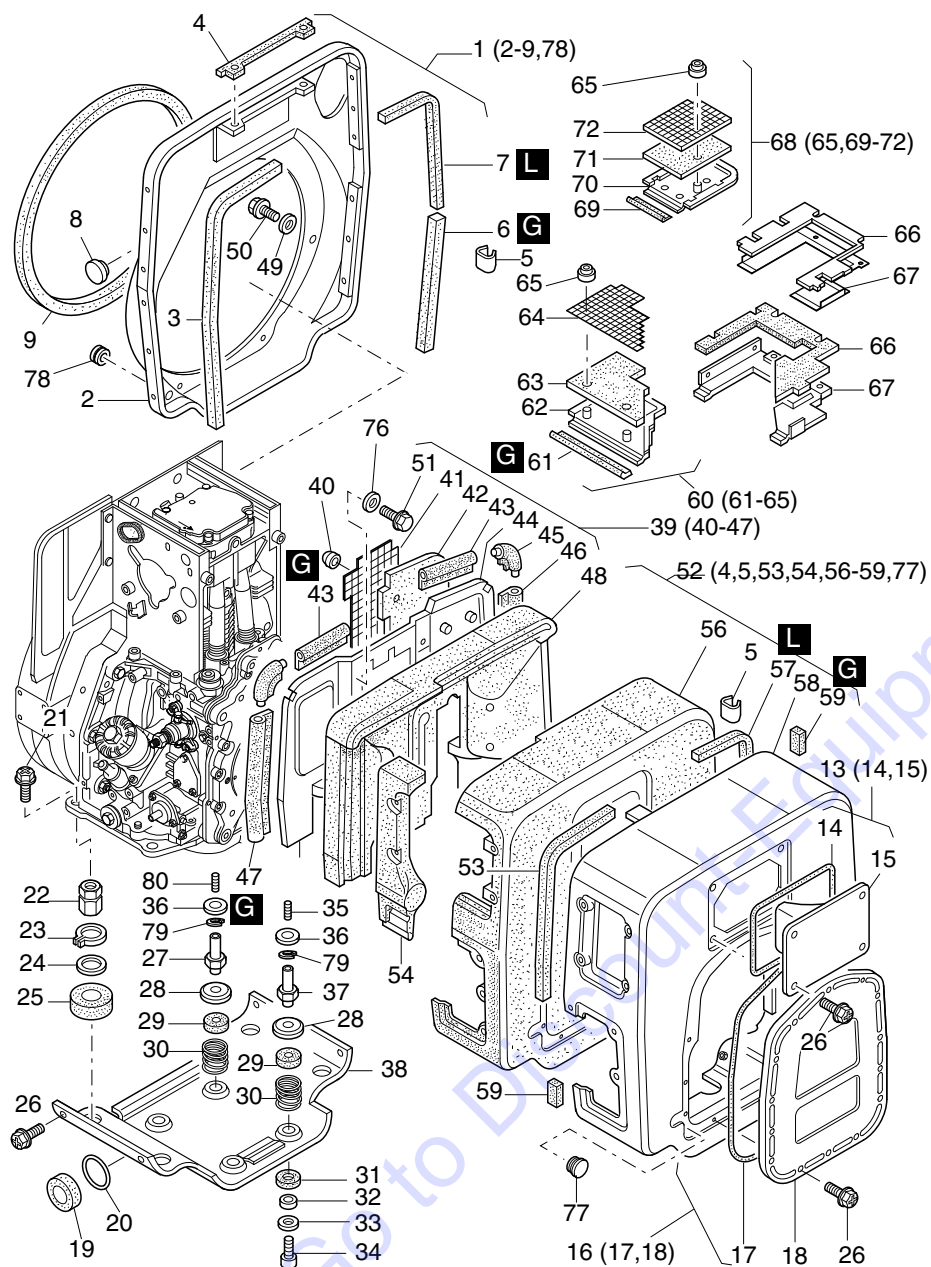
Low idle speed stabilization  
Leerlaufdrehzahl-Regelung  
Stabilisation du régime ralenti  
Regulador de velocidades minima  
Regolatore basso regime



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------|------|------|------|------------|-----------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                             |
| 2            | 0000 041 746 00   | 1             | 1    | 1    | 1    | 1    |            | M 8 x 47                    |
| 3            | 0000 040 870 01   | 1             | 1    | 1    | 1    | 1    |            | M 6 x 40                    |
| 4            | 0000 504 123 00   | 1             | 1    | 1    | 1    | 1    |            | M6x40DIN551-5.8 TUF360G A3C |
| 5            | 0000 040 871 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 6            | 0000 040 869 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 7            | 0000 040 002 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 8            | 0000 013 105 01   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 9            | 0000 050 397 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 10           | 0000 050 776 00   | 1             | 1    | 1    | 1    | 1    |            | 10mm                        |



Capsule C  
Kapsel C  
Capsule C  
Cápsula C  
Confanatura silenziosa C



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück | W<br>d / D | Notes<br>Bemerkungen |        |                         |
|--------------|-------------------|---------------|------------|----------------------|--------|-------------------------|
|              |                   | 1D41C         | 1D42C      | 1D81C                | 1D90C  |                         |
| 1            | 0000 012 891 00   | 1             | 1          | -                    | -      |                         |
| 1            | 0000 012 763 10   | -             | -          | 1                    | 1      |                         |
| 2            | -----             | -             | -          | -                    | -      |                         |
| 3            | 0000 040 806 00   | 1             | 1          | -                    | -      | 8 x 8 x 530 mm Silikon  |
| 3            | 0000 040 861 00   | -             | -          | 1                    | 1      | 610 mm                  |
| 4            | 0000 040 738 00   | 2             | 2          | 2                    | 2      |                         |
| 5            | 0000 040 841 00   | 8             | 8          | 8                    | 8      |                         |
| 6            | 0000 040 860 00   | -             | -          | 1                    | 1      | 200 mm                  |
| 7            | 0000 040 810 00   | 1             | 1          | -                    | -      | 8 x 8 x 530 mm          |
| 7            | 0000 040 735 00   | -             | -          | 1                    | 1      | 410 mm                  |
| 8            | 0000 503 955 00   | 1             | 1          | 1                    | 1      | PHT 17, 6/20            |
| 9            | 0000 040 455 01   | 1             | 1          | -                    | -      | 1040 mm                 |
| 9            | 0000 040 495 00   | -             | -          | 1                    | 1      | 1170 mm                 |
| 13           | 0000 012 895 00   | 1             | 1          | -                    | -      |                         |
| 13           | 0000 012 766 00   | -             | -          | 1                    | 1      |                         |
| 14           | 0000 040 491 00   | 1             | 1          | 1                    | 1      |                         |
| 15           | -----             | -             | -          | -                    | -      |                         |
| 16           | 0000 012 894 01   | 0... 1        | 0... 1     | -                    | -      |                         |
| 16           | 0000 012 767 00   | -             | -          | 0... 1               | 0... 1 |                         |
| 16           | 0000 014 744 01   | 0... 1        | 0... 1     | -                    | -      | Handstart, demarr. man. |
| 16           | 0000 014 642 00   | -             | -          | 0... 1               | 0... 1 | Handstart, demarr. man. |
| 16           | 0000 015 186 00   | -             | -          | 0... 1               | 0... 1 | f. Welle 4, shaft 4     |
| 16           | 0000 014 321 00   | -             | -          | 0... 1               | 0... 1 | Hydr. pump              |
| 17           | 0000 040 809 00   | 1             | 1          | -                    | -      | 3,0 x 1045              |
| 17           | 0000 040 490 00   | -             | -          | 1                    | 1      |                         |
| 18           | -----             | -             | -          | -                    | -      |                         |
| 19           | 0000 037 553 00   | 1             | 1          | -                    | -      | 46/16                   |
| 19           | 0000 035 795 00   | -             | -          | 1                    | 1      | 46/22                   |
| 20           | 0000 035 923 01   | 1             | 1          | 1                    | 1      | 26,1 x 38 x 1           |
| 21           | 0000 503 866 00   | 4             | 4          | 4                    | 4      | M 10 x 20 A3C           |
| 22           | 0000 039 937 00   | 4             | 4          | 4                    | 4      | M 10 x 27,5             |
| 23           | 0000 500 204 00   | 4             | 4          | 4                    | 4      | A 24 x 1,2 DIN 471      |
| 24           | 0000 035 923 01   | 4             | 4          | 4                    | 4      | 26,1 x 38 x 1           |
| 25           | 0000 037 553 00   | 4             | 4          | 4                    | 4      | 46/16                   |
| 26           | 0000 506 062 00   | 24            | 23         | 57                   | 57     | M 6 x 12 KZ 1-8.8 A3D   |
| 27           | 0000 040 774 00   | 2             | 2          | -                    | -      |                         |
| 27           | 0000 040 475 10   | -             | -          | 2                    | 2      |                         |
| 28           | 0000 040 421 00   | 4             | 4          | 4                    | 4      |                         |
| 29           | 0000 040 419 00   | 4             | 4          | 4                    | 4      |                         |
| 30           | 0000 040 422 00   | 4             | 4          | 4                    | 4      |                         |
| 31           | 0000 040 418 00   | 4             | 4          | 4                    | 4      |                         |
| 32           | 0000 040 417 00   | 4             | 4          | 4                    | 4      | 7 x 12 x 11             |
| 33           | 0000 040 420 00   | 4             | 4          | 4                    | 4      | 6,5 x 22,5 x 1          |
| 34           | 0000 501 706 00   | 4             | 4          | 4                    | 4      | M 6 x 20 DIN 912-8.8A3C |
| 35           | 0000 504 343 00   | 2             | 2          | -                    | -      | M 6 x 20 DIN 939-8.8    |
| 35           | 0000 501 392 01   | -             | -          | 2                    | 2      | M6 x 16 DIN 939-8.8 A3C |
| 36           | 0000 501 445 00   | 4             | 4          | 4                    | 4      | 6,4 DIN 125-St A3C      |
| 37           | 0000 040 774 00   | 2             | 2          | -                    | -      |                         |
| 37           | 0000 040 416 10   | -             | -          | 2                    | 2      |                         |
| 38           | 0000 013 037 00   | 1             | 1          | -                    | -      |                         |
| 38           | 0000 012 705 10   | -             | -          | 1                    | 1      |                         |
| 39           | 0000 013 063 00   | 1             | 1          | -                    | -      |                         |



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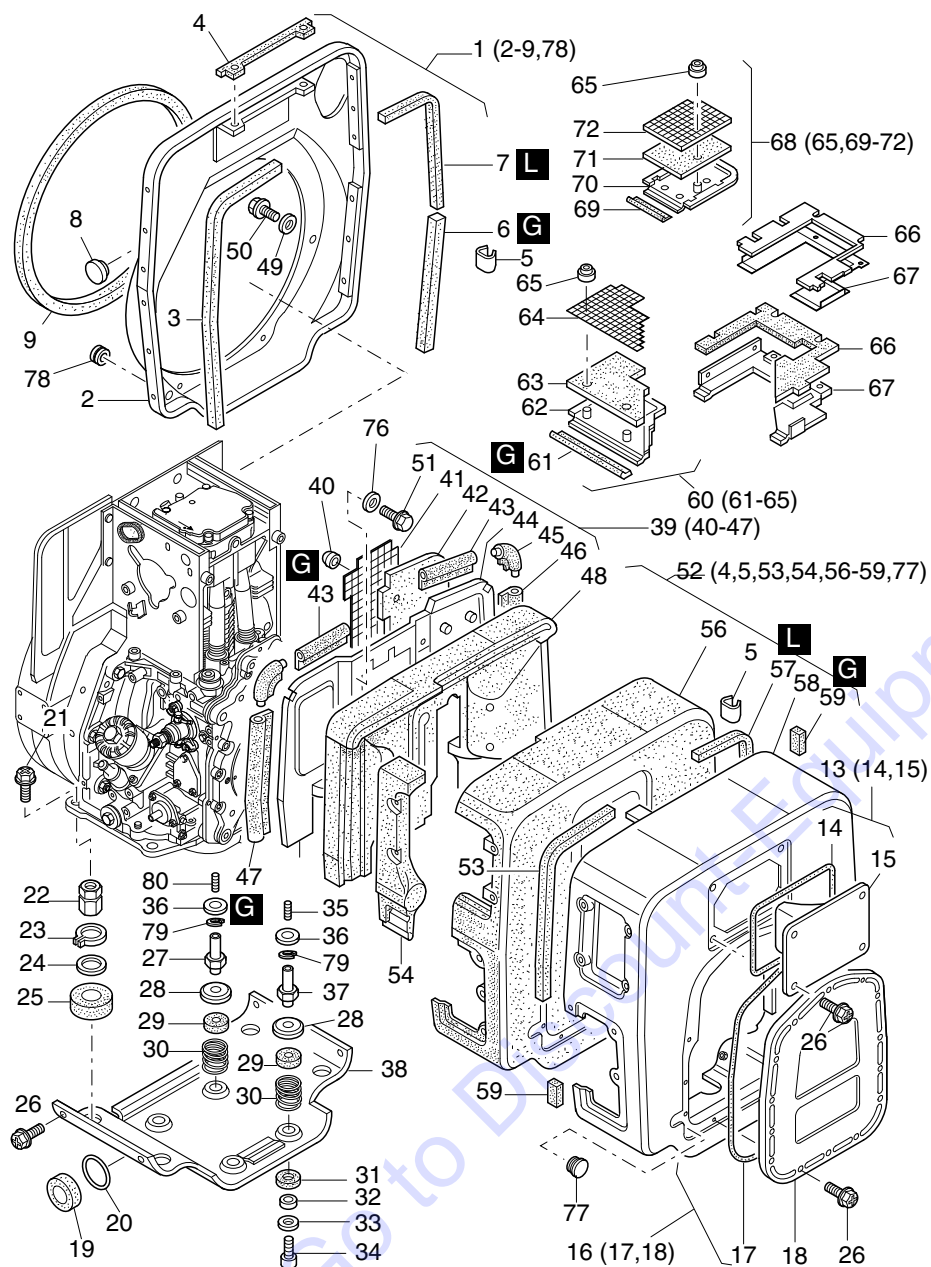
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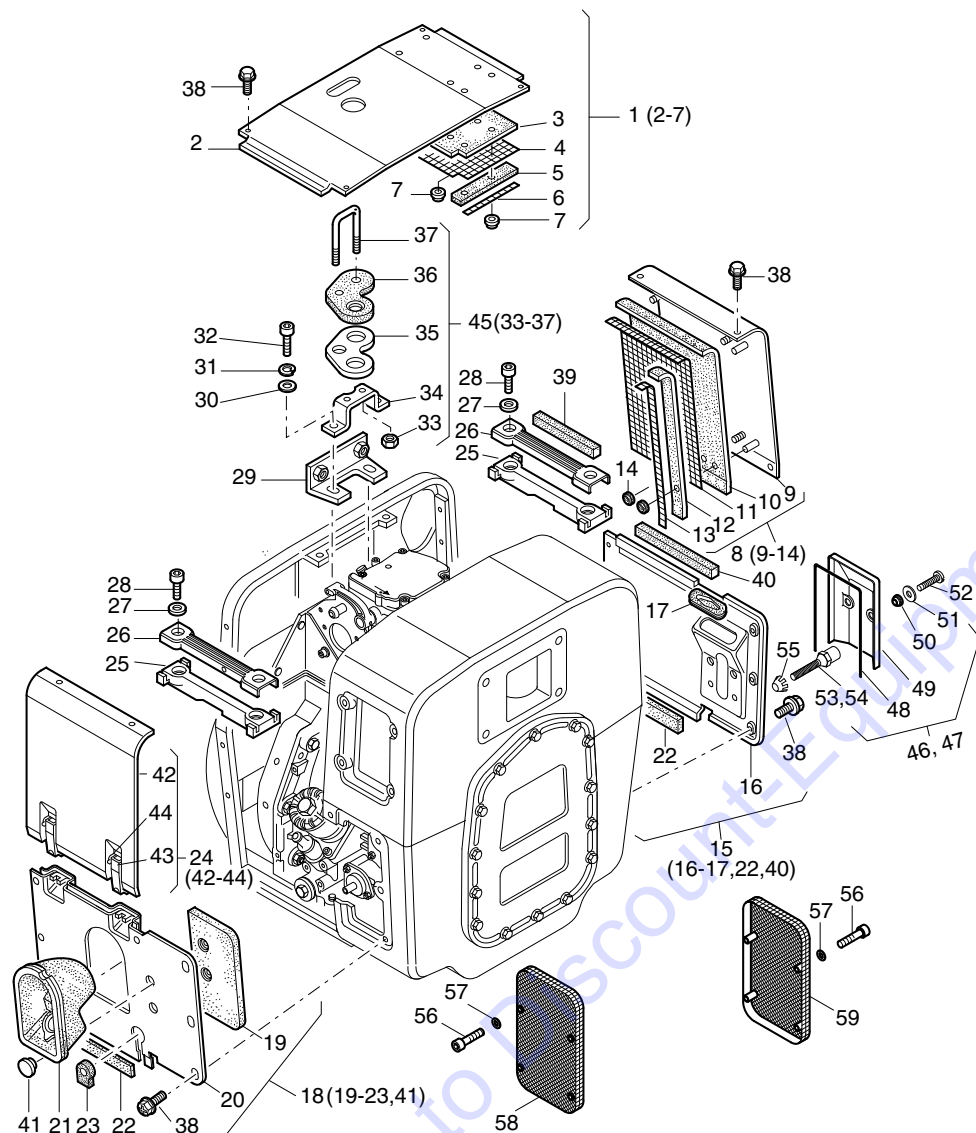
Capsule C  
Kapsel C  
Capsule C  
Cápsula C  
Confanatura silenziosa C



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |       |       |       | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|---------------|-------|-------|-------|------------|-------------------------|
|              |                   | 1D41C         | 1D42C | 1D81C | 1D90C |            |                         |
| 39           | 0000 012 748 20   | -             | -     | 1     | 1     |            |                         |
| 40           | 0000 503 885 00   | 4             | 4     | 4     | 4     |            | 4,5                     |
| 41           | 0000 040 781 00   | 1             | 1     | -     | -     |            |                         |
| 41           | 0000 040 666 00   | -             | -     | 1     | 1     |            |                         |
| 42           | 0000 040 780 00   | 1             | 1     | -     | -     |            |                         |
| 42           | 0000 040 467 10   | -             | -     | 1     | 1     |            |                         |
| 43           | 0000 040 749 00   | 2             | 2     | -     | -     |            | 100 mm                  |
| 43           | 0000 040 667 00   | -             | -     | 2     | 2     |            | 104 mm                  |
| 44           | -----             | -             | -     | -     | -     |            |                         |
| 45           | 0000 040 664 00   | 2             | 2     | 2     | 2     |            |                         |
| 46           | 0000 040 750 00   | 1             | 1     | -     | -     |            | 180 mm                  |
| 46           | 0000 040 669 00   | -             | -     | 1     | 1     |            | 228 mm                  |
| 47           | 0000 040 669 00   | 1             | 1     | -     | -     |            | 228 mm                  |
| 47           | 0000 040 670 00   | -             | -     | 1     | 1     |            | 280 mm                  |
| 48           | 0000 013 065 00   | 1             | 1     | -     | -     |            |                         |
| 48           | 0000 012 794 20   | -             | -     | 1     | 1     |            |                         |
| 49           | 0000 501 445 00   | 6             | 6     | 6     | 6     |            | 6,4 DIN 125-St A3C      |
| 50           | 0000 502 748 00   | 6             | 6     | 6     | 6     |            | M 6 x 6 DIN 933-8.8 A3C |
| 51           | 0000 503 356 00   | 2             | 2     | -     | -     |            | M 6 x 16 KZ 1-8.8 A3D   |
| 51           | 0000 500 507 00   | -             | -     | 2     | 2     |            | M 6 x 16 DIN 912-8.8    |
| 52           | 0000 012 893 00   | 1             | 1     | -     | -     |            |                         |
| 52           | 0000 012 765 20   | -             | -     | 1     | 1     |            |                         |
| 53           | 0000 040 816 00   | 1             | 1     | -     | -     |            | 8 x 8 x 360 mm          |
| 53           | 0000 040 858 00   | -             | -     | 1     | 1     |            | 8 x 8 x 410 mm          |
| 54           | 0000 040 472 10   | -             | -     | 1     | 1     |            |                         |
| 56           | 0000 013 053 00   | 1             | 1     | -     | -     |            |                         |
| 56           | 0000 012 726 10   | -             | -     | 1     | 1     |            |                         |
| 57           | 0000 040 807 00   | 1             | 1     | -     | -     |            | 8 x 8 x 360             |
| 57           | 0000 040 735 00   | -             | -     | 1     | 1     |            | 410 mm                  |
| 58           | -----             | -             | -     | -     | -     |            |                         |
| 59           | 0000 040 817 00   | 2             | 2     | -     | -     |            | 8 x 8 x 25 mm           |
| 59           | 0000 040 859 00   | -             | -     | 1     | 1     |            | 40 mm                   |
| 60           | 0000 012 750 11   | -             | -     | 1     | 1     |            |                         |
| 61           | 0000 040 494 00   | -             | -     | 1     | 1     |            | 186 mm                  |
| 62           | -----             | -             | -     | -     | -     |            |                         |
| 63           | 0000 040 820 00   | -             | -     | 1     | 1     |            |                         |
| 64           | 0000 040 819 00   | -             | -     | 1     | 1     |            |                         |
| 65           | 0000 503 885 00   | -             | -     | 4     | 4     |            | 4,5                     |
| 66           | 0000 040 777 10   | 1             | 1     | -     | -     |            |                         |
| 66           | 0000 040 821 00   | -             | -     | 1     | 1     |            |                         |
| 67           | 0000 040 826 00   | 1             | 1     | -     | -     |            |                         |
| 67           | 0000 040 814 00   | -             | -     | 1     | 1     |            |                         |
| 68           | 0000 012 892 00   | 1             | 1     | -     | -     |            |                         |
| 69           | 0000 040 832 00   | 1             | 1     | -     | -     |            | 97 mm                   |
| 70           | -----             | -             | -     | -     | -     |            |                         |
| 71           | 0000 040 828 00   | 1             | 1     | -     | -     |            |                         |
| 72           | 0000 040 827 00   | 1             | 1     | -     | -     |            |                         |
| 76           | 0000 400 277 00   | -             | -     | 2     | 2     |            | 6                       |
| 77           | 0000 501 608 00   | 1             | 1     | 1     | 1     |            | F 5 14x10,7x7,5         |
| 78           | 0000 505 925 00   | 2             | 2     | 2     | 2     |            |                         |
| 79           | 0000 501 709 00   | 4             | 4     | -     | -     |            | 6 DIN 128 - A3C         |
| 80           | 0000 504 343 00   | 2             | 2     | 2     | 2     |            | M 6 x 20 DIN 939-8.8    |

# M35b

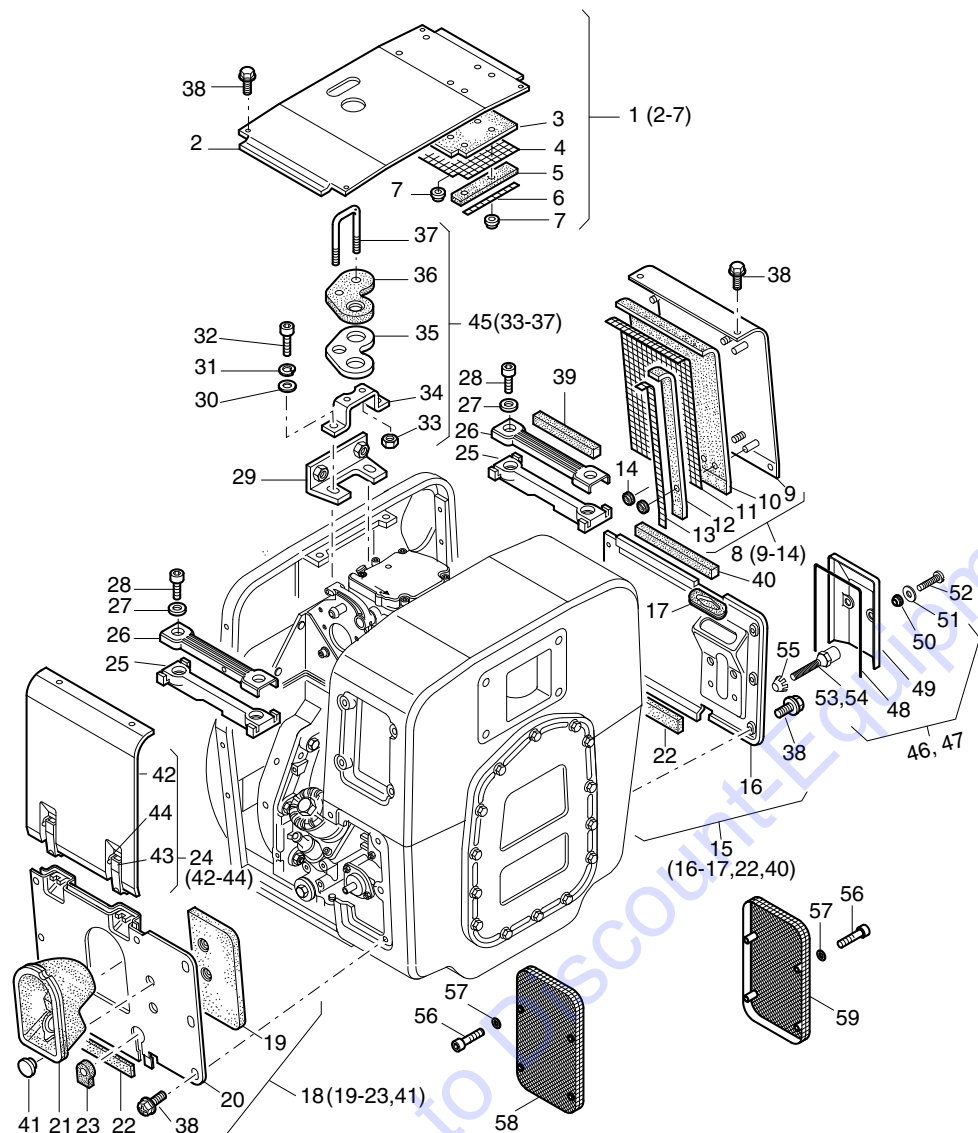
Capsule C  
Kapsel C  
Capsule C  
Cápsula C  
Confanatura silenziosa C



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |       |       |       | W<br>d / D | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|-------|-------|-------|------------|----------------------|
|              |                   | 1D41C         | 1D42C | 1D81C | 1D90C |            |                      |
| 1            | 0000 013 055 00   | 1             | 1     | -     | -     |            |                      |
| 1            | 0000 012 749 10   | -             | -     | 1     | 1     |            |                      |
| 2            | -----             | -             | -     | -     | -     |            |                      |
| 3            | 0000 040 760 00   | 1             | 1     | -     | -     |            |                      |
| 3            | 0000 040 468 10   | -             | -     | 1     | 1     |            |                      |
| 4            | 0000 040 763 00   | 1             | 1     | 1     | 1     |            |                      |
| 4            | 0000 040 676 00   | -             | -     | 1     | 1     |            |                      |
| 5            | 0000 040 761 00   | 1             | 1     | -     | -     |            |                      |
| 5            | 0000 040 677 00   | -             | -     | 1     | 1     |            |                      |
| 6            | 0000 040 762 00   | 1             | 1     | -     | -     |            |                      |
| 6            | 0000 040 660 00   | -             | -     | 1     | 1     |            |                      |
| 7            | 0000 503 885 00   | 6             | 6     | 6     | 6     |            | 4,5                  |
| 8            | 0000 013 058 00   | 1             | 1     | -     | -     |            |                      |
| 8            | 0000 012 747 10   | -             | -     | 1     | 1     |            |                      |
| 9            | -----             | -             | -     | -     | -     |            |                      |
| 10           | 0000 040 766 00   | 1             | 1     | -     | -     |            |                      |
| 10           | 0000 040 466 10   | -             | -     | 1     | 1     |            |                      |
| 11           | 0000 040 768 00   | 1             | 1     | -     | -     |            |                      |
| 11           | 0000 040 671 00   | -             | -     | 1     | 1     |            |                      |
| 12           | 0000 040 767 00   | 1             | 1     | -     | -     |            |                      |
| 12           | 0000 040 659 00   | -             | -     | 1     | 1     |            |                      |
| 13           | 0000 040 769 00   | 1             | 1     | -     | -     |            |                      |
| 13           | 0000 040 658 00   | -             | -     | 1     | 1     |            |                      |
| 14           | 0000 503 885 00   | 6             | 6     | 6     | 6     |            | 4,5                  |
| 15           | 0000 012 900 00   | 1             | 1     | -     | -     |            |                      |
| 15           | 0000 012 770 10   | -             | -     | 1     | 1     |            |                      |
| 16           | -----             | -             | -     | -     | -     |            |                      |
| 17           | 0000 039 931 00   | 1             | 1     | 1     | 1     |            |                      |
| 18           | 0000 012 898 00   | 1             | 1     | -     | -     |            |                      |
| 18           | 0000 012 769 10   | -             | -     | 1     | 1     |            |                      |
| 19           | 0000 040 876 00   | 1             | 1     | -     | -     |            |                      |
| 19           | 0000 040 740 00   | -             | -     | 1     | 1     |            |                      |
| 20           | -----             | -             | -     | -     | -     |            |                      |
| 21           | 0000 040 765 00   | 1             | 1     | -     | -     |            |                      |
| 21           | 0000 040 470 10   | -             | -     | 1     | 1     |            |                      |
| 22           | 0000 040 865 00   | 1             | 1     | -     | -     |            | 13 x 1 x 182 mm      |
| 22           | 0000 040 497 00   | -             | -     | 2     | 2     |            | 13 x 1 x 195 mm      |
| 23           | 0000 040 847 00   | 1             | 1     | -     | -     |            |                      |
| 23           | 0000 040 846 00   | -             | -     | 1     | 1     |            |                      |
| 24           | 0000 012 897 00   | 1             | 1     | -     | -     |            |                      |
| 24           | 0000 012 710 10   | -             | -     | 1     | 1     |            |                      |
| 24           | 0000 020 159 00   | 1             | 1     | -     | -     |            | Dekompr.-Automatik   |
| 24           | 0000 020 160 00   | -             | -     | 1     | 1     |            | Dekompr.-Automatik   |
| 25           | 0000 040 773 00   | 2             | 2     | -     | -     |            |                      |
| 25           | 0000 040 679 00   | -             | -     | 2     | 2     |            |                      |

# M35b

Capsule C  
Kapsel C  
Capsule C  
Cápsula C  
Confanatura silenziosa C

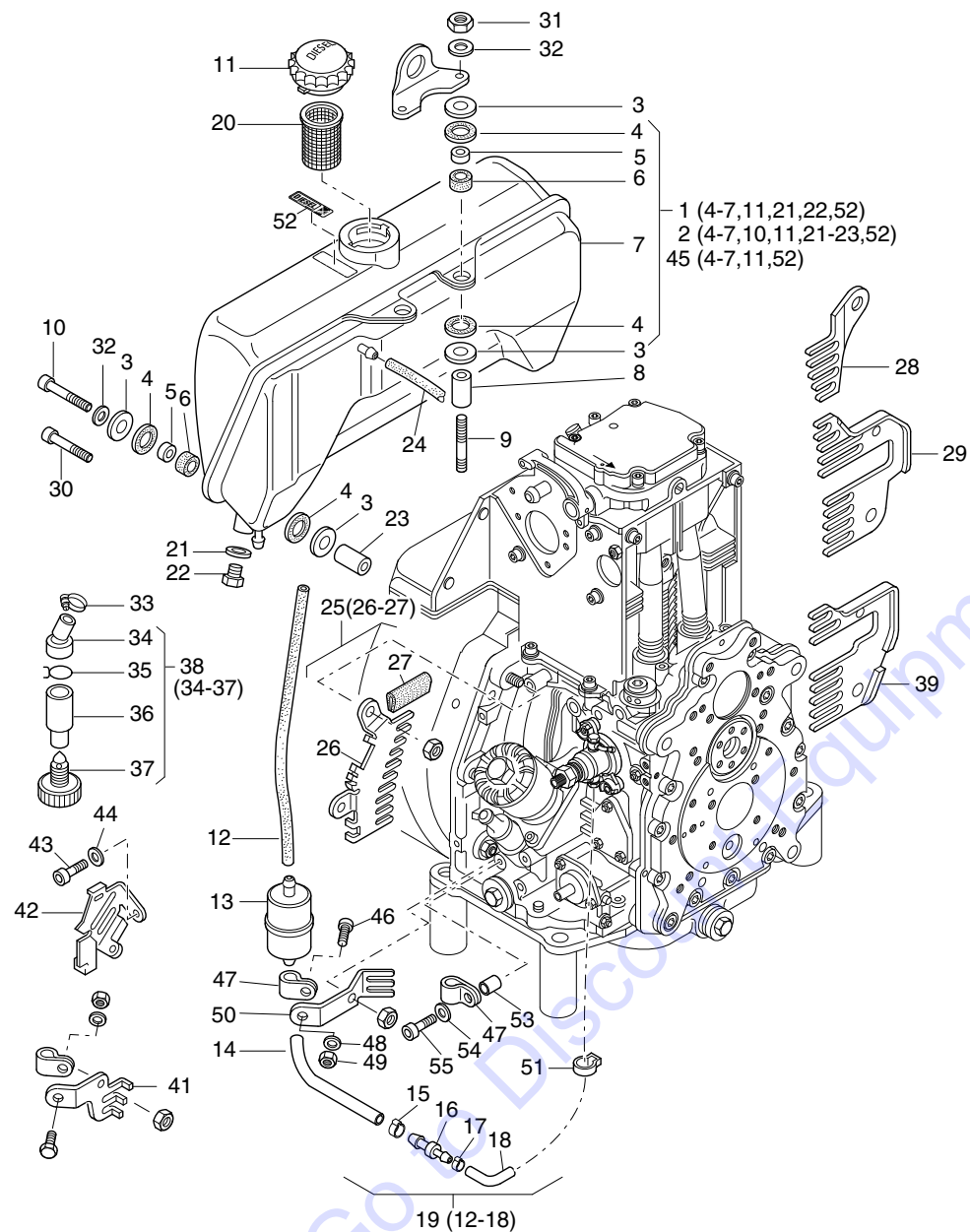


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |        |        |        | W<br>d / D | Notes<br>Bemerkungen           |
|--------------|------------------------|---------------|--------|--------|--------|------------|--------------------------------|
|              |                        | 1D41C         | 1D42C  | 1D81C  | 1D90C  |            |                                |
| 26           | 0000 <b>013 061 00</b> | 2             | 2      | -      | -      |            |                                |
| 26           | 0000 <b>013 004 00</b> | -             | -      | 2      | 2      |            |                                |
| 27           | 0000 <b>500 812 00</b> | 4             | 4      | 4      | 4      |            | A 6 DIN 137 - A3C              |
| 28           | 0000 <b>501 330 00</b> | 4             | 4      | 4      | 4      |            | M 6 x 12 DIN 6912-8.8          |
| 29           | 0000 <b>013 078 00</b> | 1             | 1      | -      | -      |            |                                |
| 29           | 0000 <b>012 827 10</b> | -             | -      | 1      | 1      |            |                                |
| 30           | 0000 <b>501 481 00</b> | 2             | 2      | 2      | 2      |            | 8,4 DIN 125-St A3C             |
| 31           | 0000 <b>503 473 01</b> | 2             | 2      | 2      | 2      |            | VHZ 8 A3C                      |
| 32           | 0000 <b>501 759 00</b> | 2             | 2      | 2      | 2      |            | M 8 x 30 DIN 912-8.8A3C        |
| 33           | 0000 <b>503 283 00</b> | 2             | 2      | 2      | 2      |            | VM 6 DIN 980-8 A3C             |
| 34           | 0000 <b>040 612 10</b> | 1             | 1      | -      | -      |            |                                |
| 34           | 0000 <b>040 431 20</b> | -             | -      | 1      | 1      |            |                                |
| 35           | -----                  | -             | -      | -      | -      |            |                                |
| 36           | 0000 <b>040 611 00</b> | 1             | 1      | -      | -      |            |                                |
| 36           | 0000 <b>040 434 00</b> | -             | -      | 1      | 1      |            |                                |
| 37           | -----                  | -             | -      | -      | -      |            |                                |
| 38           | 0000 <b>502 892 00</b> | 26            | 26     | 26     | 26     |            | M 6 x 14 KZ 1-8.8 A3D          |
| 39           | 0000 <b>040 772 00</b> | 1             | 1      | -      | -      |            | 8 x 8 x 122 mm                 |
| 39           | 0000 <b>040 737 00</b> | -             | -      | 1      | 1      |            | 8 x 8 x 134 mm                 |
| 40           | 0000 <b>040 800 00</b> | 1             | 1      | -      | -      |            | 8 x 8 x 160 mm                 |
| 40           | 0000 <b>040 736 00</b> | -             | -      | 1      | 1      |            | 170 mm                         |
| 41           | 0000 <b>503 955 00</b> | 2             | 2      | 2      | 2      |            | PHT 17, 6/20                   |
| 42           | -----                  | -             | -      | -      | -      |            |                                |
| 43           | 0000 <b>503 932 00</b> | 2             | 2      | 2      | 2      |            |                                |
| 44           | 0000 <b>503 961 00</b> | 4             | 4      | 4      | 4      |            | 2,5 x 8 DIN 660-St             |
| 45           | 0000 <b>012 905 01</b> | 1             | 1      | -      | -      |            |                                |
| 45           | 0000 <b>014 626 02</b> | -             | -      | 1      | 1      |            |                                |
| 46           | 0000 <b>015 831 00</b> | 0... 1        | 0... 1 | 0... 1 | 0... 1 |            | (ohne, without, sans Powerbox) |
| 47           | 0000 <b>017 531 00</b> | 0... 1        | 0... 1 | 0... 1 | 0... 1 |            | (mit, with, avec Powerbox)     |
| 48           | 0000 <b>050 362 00</b> | 1             | 1      | 1      | 1      |            | 409mm                          |
| 49           | -----                  | -             | -      | -      | -      |            |                                |
| 50           | 0000 <b>036 652 00</b> | 2             | 2      | 2      | 2      |            |                                |
| 51           | 0000 <b>504 088 00</b> | 1             | 1      | 1      | 1      |            | 5,3 DIN 9021 - St A3C          |
| 52           | 0000 <b>504 089 00</b> | 2             | 2      | 2      | 2      |            | M 5 x 8 DIN 84 - 4.8 A3C       |
| 53           | 0000 <b>050 358 00</b> | 0... 2        | 0... 2 | 0... 2 | 0... 2 |            |                                |
| 54           | 0000 <b>051 739 00</b> | 0... 2        | 0... 2 | 0... 2 | 0... 2 |            |                                |
| 55           | 0000 <b>504 087 00</b> | 2             | 2      | 2      | 2      |            | V 5,3 DIN 6797-FST             |
| 56           | 0000 <b>501 708 00</b> | 8             | 8      | 8      | 8      |            | M 6 x 25 DIN 912-8.8A3C        |
| 57           | 0000 <b>501 445 00</b> | 8             | 8      | 8      | 8      |            | 6,4 DIN 125-St A3C             |
| 58           | 0000 <b>013 109 00</b> | 1             | 1      | -      | -      |            |                                |
| 58           | 0000 <b>013 008 00</b> | -             | -      | 1      | 1      |            |                                |
| 59           | 0000 <b>013 108 00</b> | 1             | 1      | -      | -      |            |                                |
| 59           | 0000 <b>013 009 00</b> | -             | -      | 1      | 1      |            |                                |



# Z01a

Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio

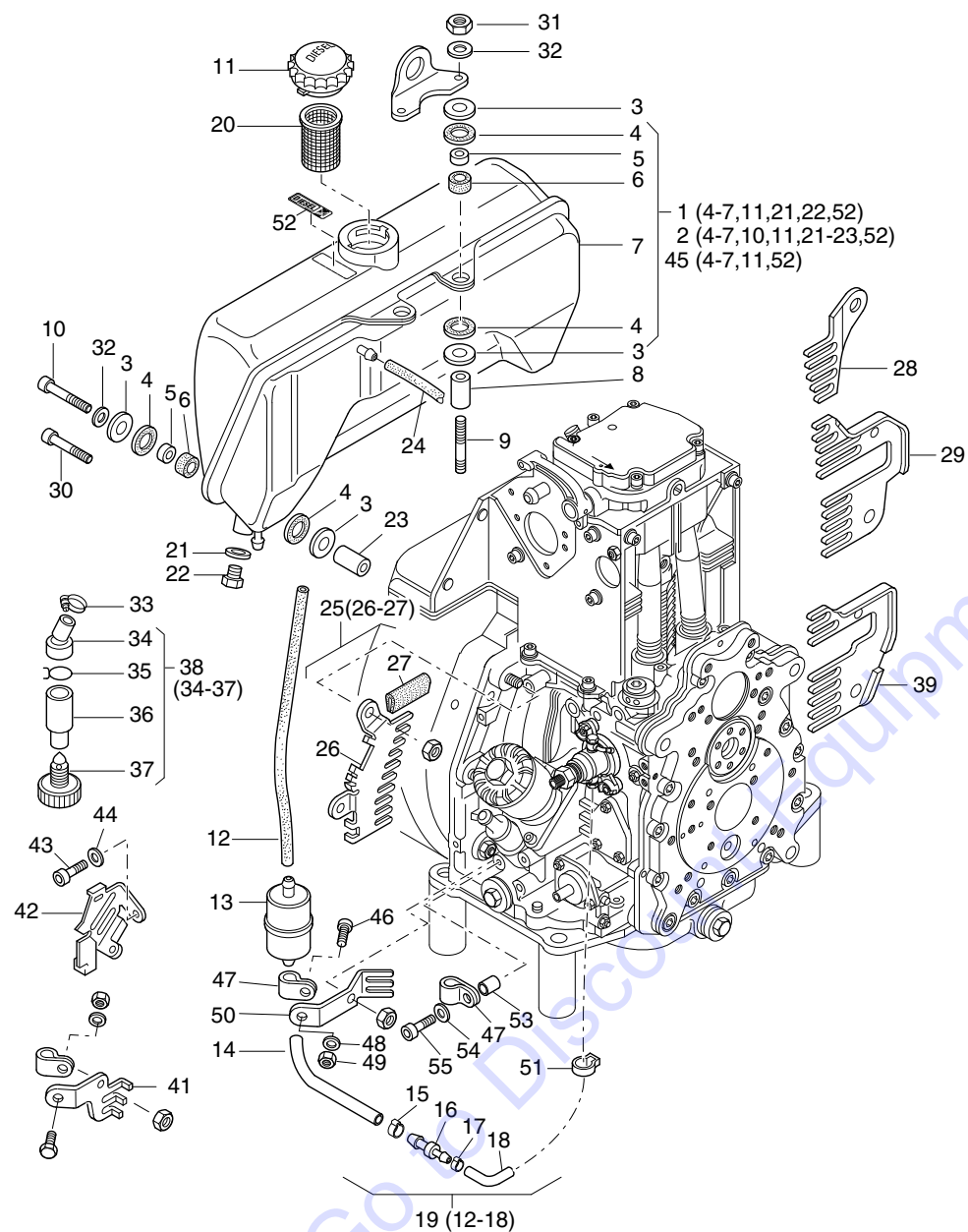


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |        |        |        |        | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|------------------------|---------------|--------|--------|--------|--------|------------|---------------------------|
|              |                        | 1D41          | 1D42   | 1D50   | 1D81   | 1D90   |            |                           |
| 1            | 0000 <b>015 350 00</b> | 1             | 1      | 1      | -      | -      |            | 5 l                       |
| 2            | 0000 <b>016 614 00</b> | -             | -      | 1      | -      | -      |            | 7 l                       |
| 2            | 0000 <b>014 942 00</b> | -             | -      | -      | 1      | 1      |            | 7 l                       |
| 3            | 0000 <b>050 976 00</b> | 8             | 8      | 8      | 12     | 12     |            | 8,5 - 27                  |
| 4            | 0000 <b>039 818 02</b> | 8             | 8      | 8      | 12     | 12     |            | 17 - 25                   |
| 5            | 0000 <b>039 817 01</b> | 4             | 4      | 4      | 6      | 6      |            | 8,4 x 13 x 7,5            |
| 6            | 0000 <b>039 819 00</b> | 4             | 4      | 4      | 6      | 6      |            |                           |
| 7            | -----                  | -             | -      | -      | -      | -      |            |                           |
| 8            | 0000 <b>039 815 00</b> | 2             | 2      | 0... 2 | -      | -      |            | 9 x 18 x 49               |
| 8            | 0000 <b>051 635 00</b> | -             | -      | 0... 2 | -      | -      |            | 8,5 x 18 x 61 (7 l SAE 5) |
| 8            | 0000 <b>039 898 00</b> | -             | -      | -      | 2      | 2      |            | 8,5 x 20 x 49             |
| 9            | 0000 <b>503 770 01</b> | 0... 2        | 0... 2 | 0... 2 | 2      | 2      |            | M 8 x 75 DIN 835-10.9 A3C |
| 9            | 0000 <b>500 651 00</b> | 0... 2        | 0... 2 | 0... 2 | -      | -      |            | M 8 x 85 DIN 835-8.8 A3C  |
| 10           | 0000 <b>501 716 00</b> | 2             | 2      | 2      | -      | -      |            | M 8 x 65 DIN 912-8.8A3C   |
| 10           | 0000 <b>501 775 00</b> | -             | -      | -      | 4      | 4      |            | M 8 x 40 DIN 912-8.8A3C   |
| 11           | 0000 <b>400 327 01</b> | 1             | 1      | 0... 1 | -      | -      | P1         | B 40                      |
| 11           | 0000 <b>503 858 01</b> | -             | -      | 0... 1 | 1      | 1      |            | DT 60 f.Tank 7l + 10l     |
| 12           | 0000 <b>053 302 00</b> | 1             | 1      | 0... 1 | -      | -      |            | 7 x 125                   |
| 12           | 0000 <b>053 315 00</b> | -             | -      | 0... 1 | -      | -      |            | 7 x 135 SAE 5             |
| 12           | 0000 <b>053 236 00</b> | -             | -      | -      | 1      | 1      |            | 7 x 220                   |
| 13           | 0000 <b>504 788 00</b> | 1             | 1      | 1      | 1      | 1      | W2         | Filter > -6°C             |
| 13           | 0000 <b>400 894 01</b> | 1             | 1      | 1      | 1      | 1      |            | Filter < -6°C             |
| 14           | 0000 <b>053 301 00</b> | 1             | 1      | 1      | -      | -      |            | 7 x 180                   |
| 14           | 0000 <b>053 300 00</b> | -             | -      | -      | 1      | 1      |            | 7 x 250                   |
| 15           | 0000 <b>505 238 00</b> | 1             | 1      | 1      | 1      | 1      |            | 16,0                      |
| 16           | 0000 <b>052 404 00</b> | 1             | 1      | 1      | 1      | 1      |            |                           |
| 17           | 0000 <b>505 709 00</b> | 1             | 1      | 1      | 1      | 1      |            | 12,8                      |
| 18           | 0000 <b>036 643 10</b> | 1             | 1      | 1      | 1      | 1      |            | 5 x 75                    |
| 19           | 0000 <b>014 737 10</b> | 1             | 1      | 1      | -      | -      |            |                           |
| 19           | 0000 <b>014 736 10</b> | -             | -      | -      | 1      | 1      |            |                           |
| 20           | 0000 <b>400 378 00</b> | 1             | 1      | 0... 1 | -      | -      |            | f. Tank 5l                |
| 20           | 0000 <b>503 873 00</b> | -             | -      | 0... 1 | 1      | 1      |            | f. Tank 7l + 10l          |
| 21           | 0000 <b>500 010 00</b> | 1             | 1      | 1      | 1      | 1      |            | A 10 x 16 DIN 7603-Cu     |
| 22           | 0000 <b>051 260 00</b> | 1             | 1      | 1      | 1      | 1      |            | M 10 x 12                 |
| 23           | 0000 <b>039 816 00</b> | 2             | 2      | 2      | -      | -      |            | 9 x 18 x 38               |
| 23           | 0000 <b>050 292 00</b> | -             | -      | -      | 4      | 4      |            | 9 x 18 x 8                |
| 24           | 0000 <b>036 638 10</b> | 1             | 1      | 1      | -      | -      |            | 5 x 40 mm                 |
| 24           | 0000 <b>036 637 10</b> | -             | -      | -      | 1      | 1      |            | 5 x 50 mm                 |
| 25           | 0000 <b>014 903 00</b> | -             | -      | -      | 1      | 1      |            |                           |
| 26           | -----                  | -             | -      | -      | -      | -      |            |                           |
| 27           | 0000 <b>040 309 01</b> | -             | -      | -      | 1      | 1      |            | 29 mm                     |
| 28           | 0000 <b>050 696 01</b> | -             | -      | -      | 1      | 1      |            |                           |
| 29           | 0000 <b>015 289 00</b> | -             | -      | -      | 1      | 1      |            |                           |
| 30           | 0000 <b>501 830 00</b> | -             | -      | -      | 0... 4 | 0... 4 |            | M 8 x 35 DIN 912-8.8A3C   |
| 31           | 0000 <b>501 480 00</b> | 2             | 2      | 2      | 2      | 2      |            | M 8 DIN 934-8 A3C         |



Z01a

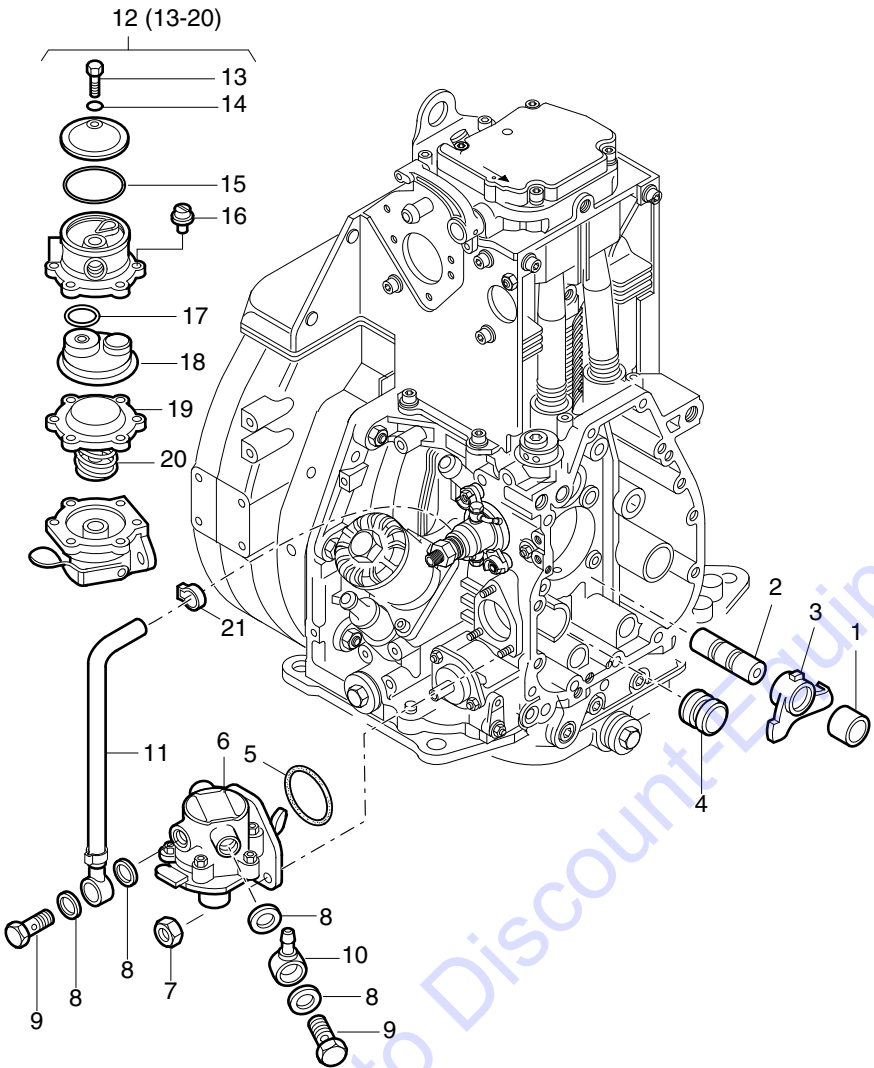
Fuel  
Kraftstoff  
Carburant  
Combustible  
Serbatoio



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|------------------------|---------------|------|------|------|------|------------|--------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                          |
| 32           | 0000 <b>502 085 00</b> | 4             | 4    | 4    | 6    | 6    |            | 8 DIN 128 A3C            |
| 33           | 0000 <b>504 480 00</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 34           | 0000 <b>050 440 01</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 35           | 0000 <b>050 369 00</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 36           | 0000 <b>050 439 01</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 37           | 0000 <b>504 148 00</b> | 1             | 1    | 1    | 1    | 1    |            | M 10                     |
| 38           | 0000 <b>015 194 02</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 39           | 0000 <b>015 290 00</b> | 1             | 1    | 1    | -    | -    |            |                          |
| 41           | 0000 <b>050 366 00</b> | 1             | 1    | 1    | -    | -    |            |                          |
| 42           | 0000 <b>050 367 01</b> | 1             | 1    | 1    | -    | -    |            |                          |
| 43           | 0000 <b>501 390 00</b> | 1             | 1    | 1    | -    | -    |            | M 6 x 10 DIN 912-8.8C4P  |
| 44           | 0000 <b>500 812 00</b> | 1             | 1    | 1    | -    | -    |            | A 6 DIN 137 - A3C        |
| 45           | 0000 <b>015 851 00</b> | -             | -    | -    | 1    | 1    |            | 10 l                     |
| 46           | 0000 <b>501 771 00</b> | 1             | 1    | 1    | 1    | 1    |            | M 6 x 16 DIN 933-8.8 A3C |
| 47           | 0000 <b>501 584 00</b> | 2             | 2    | 2    | 2    | 2    |            | 14 / 15                  |
| 48           | 0000 <b>501 445 00</b> | 1             | 1    | 1    | 1    | 1    |            | 6,4 DIN 125-St A3C       |
| 49           | 0000 <b>501 444 00</b> | 1             | 1    | 1    | 1    | 1    |            | M 6 DIN 934 - 8 A3C      |
| 50           | 0000 <b>050 319 00</b> | -             | -    | -    | 1    | 1    |            |                          |
| 51           | 0000 <b>505 900 00</b> | 1             | 1    | 1    | 1    | 1    |            | 12,0                     |
| 52           | 0000 <b>052 356 02</b> | 1             | 1    | 1    | 1    | 1    |            | "DIESEL"                 |
| 53           | 0000 <b>040 984 00</b> | 1             | 1    | 1    | 1    | 1    |            | 7 x 12 x 16,3            |
| 54           | 0000 <b>501 709 00</b> | 1             | 1    | 1    | 1    | 1    |            | 6 DIN 128 - A3C          |
| 55           | 0000 <b>503 239 00</b> | 1             | 1    | 1    | 1    | 1    |            | M 6 x 30 DIN 912-8.8A3C  |

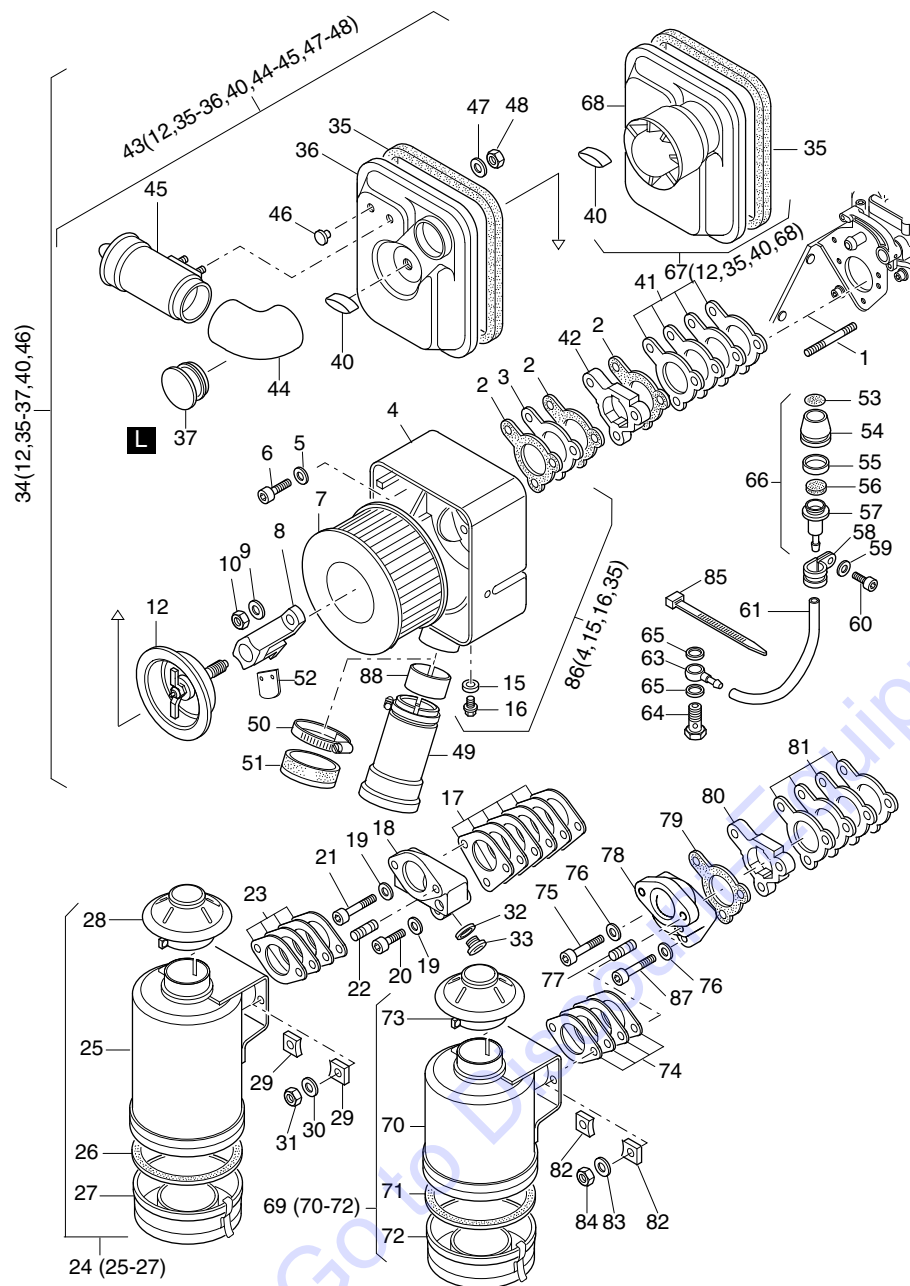
Z01b

Fuel feed pump  
Förderpumpe  
Pompe d'alimentation  
Bomba de alimentación  
Pompa A. C.



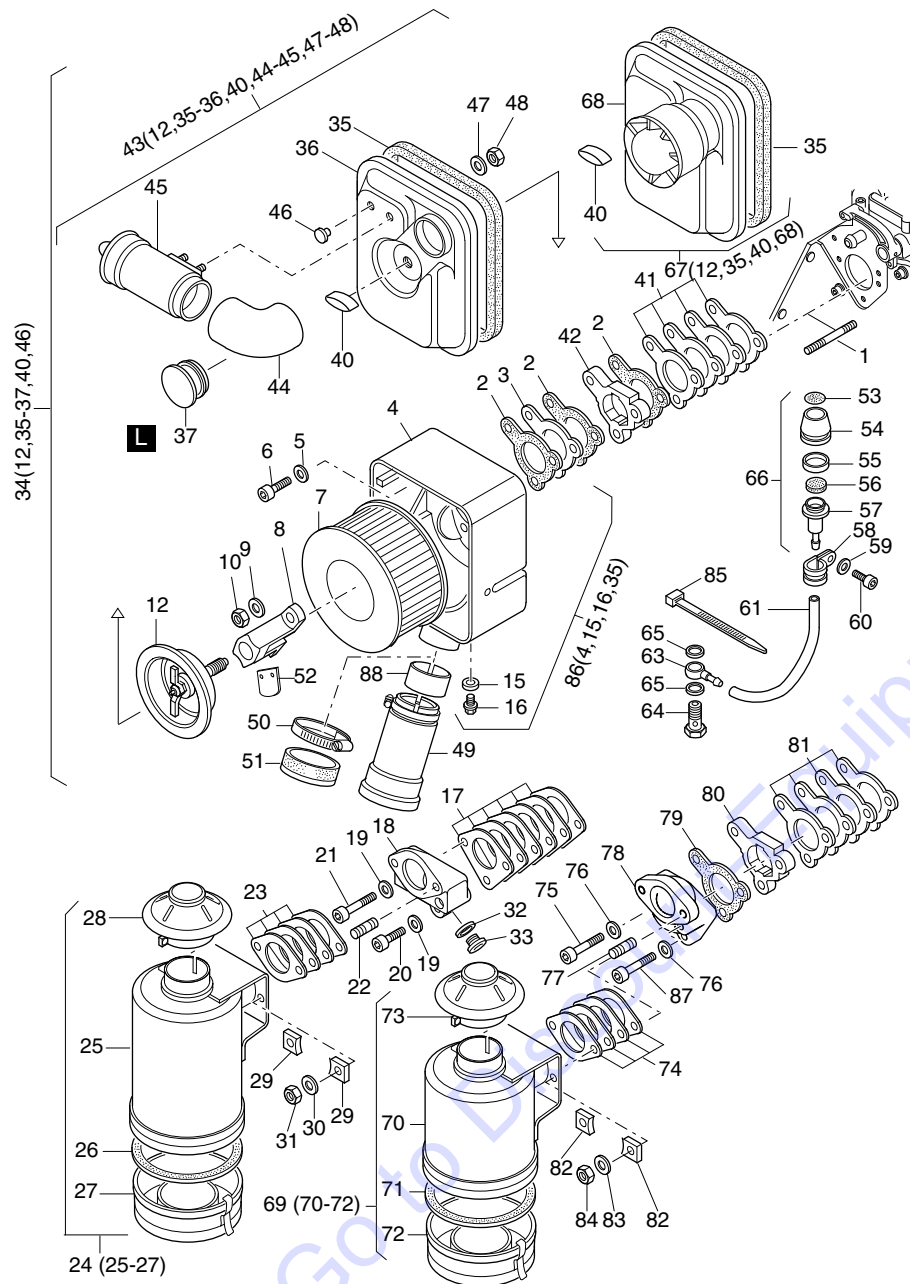
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|---------------|------|------|------|------|------------|---------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                           |
| 1            | 0000 040 119 00   | 1             | 1    | 1    | 1    | 1    |            | 15x24x17 "S"              |
| 2            | 0000 037 964 01   | 1             | 1    | 1    | 1    | 1    |            | "S"                       |
| 3            | 0000 041 854 00   | 1             | 1    | 1    | 1    | 1    |            |                           |
| 4            | 0000 040 236 00   | 1             | 1    | 1    | -    | -    |            | ø 25 mm "S"               |
| 4            | 0000 040 008 00   | -             | -    | -    | 1    | 1    |            | ø 22 mm "S"               |
| 5            | 0000 503 318 00   | 1             | 1    | 1    | 1    | 1    |            | 35 x 2,8                  |
| 6            | 0000 053 015 00   | 1             | 1    | 1    | 1    | 1    |            |                           |
| 7            | 0000 503 283 00   | 3             | 3    | 3    | 3    | 3    |            | VM 6 DIN 980-8 A3C        |
| 8            | 0000 500 012 00   | 4             | 4    | 4    | 4    | 4    |            | A 14 x 18 DIN 7603-Cu     |
| 9            | 0000 500 064 00   | 2             | 2    | 2    | 2    | 2    |            | 10-3 DIN 7643             |
| 10           | 0000 500 159 00   | 1             | 1    | 1    | 1    | 1    |            | NW 8 / 6                  |
| 11           | 0000 014 688 11   | 1             | 1    | 1    | 1    | 1    |            |                           |
| 12           | 0000 490 625 01   | 1             | 1    | 1    | 1    | 1    |            | Reparatursatz, repair kit |
| 13           | -----             | -             | -    | -    | -    | -    |            |                           |
| 14           | -----             | -             | -    | -    | -    | -    |            |                           |
| 15           | 0000 503 995 00   | 1             | 1    | 1    | 1    | 1    |            | 37 x 2,5                  |
| 16           | -----             | -             | -    | -    | -    | -    |            |                           |
| 17           | -----             | -             | -    | -    | -    | -    |            |                           |
| 18           | -----             | -             | -    | -    | -    | -    |            |                           |
| 19           | -----             | -             | -    | -    | -    | -    |            |                           |
| 20           | -----             | -             | -    | -    | -    | -    |            |                           |
| 21           | 0000 505 900 00   | 1             | 1    | 1    | 1    | 1    |            | 12,0                      |

Air filter  
Luftfilter  
Filtre à air  
Filtro de aire  
Filtro aria



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|---------------|------|------|------|------|------------|---------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                           |
| 1            | 0000 500 389 00   | 2             | 2    | 2    | 2    | 2    |            | M 8 x 60 DIN 855-8.8      |
| 2            | 0000 040 298 00   | 3             | 3    | 3    | -    | -    |            | d3                        |
| 2            | 0000 040 063 00   | -             | -    | -    | 3    | 3    |            | d3                        |
| 3            | 0000 040 297 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 3            | 0000 040 062 00   | -             | -    | -    | 1    | 1    |            |                           |
| 4            | -----             | -             | -    | -    | -    | -    |            |                           |
| 5            | 0000 500 951 00   | 1             | 1    | 1    | 1    | 1    |            | A 8 DIN 137 A3C           |
| 6            | 0000 500 808 00   | 1             | 1    | 1    | -    | -    |            | M 8 x 42 DIN 912-8.8      |
| 6            | 0000 503 984 00   | -             | -    | -    | 1    | 1    |            | M 8 x 45 DIN6912-8.8 A3C  |
| 7            | 0000 040 301 00   | 1             | 1    | 1    | -    | -    |            | W2                        |
| 7            | 0000 014 930 00   | -             | -    | -    | 1    | 1    |            | W2                        |
| 8            | 0000 014 909 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 8            | 0000 014 834 01   | -             | -    | -    | 1    | 1    |            |                           |
| 9            | 0000 501 481 00   | 2             | 2    | 2    | 2    | 2    |            | 8,4 DIN 125-St A3C        |
| 10           | 0000 501 295 00   | 2             | 2    | 2    | 2    | 2    |            | M 8 DIN 985-8 A3C         |
| 12           | 0000 020 241 00   | 1             | 1    | 1    | -    | -    |            |                           |
| 12           | 0000 020 242 00   | -             | -    | -    | 1    | 1    |            |                           |
| 15           | 0000 500 009 00   | 1             | 1    | 1    | -    | -    |            | A 8 x 11,5 DIN 7603-Cu    |
| 15           | 0000 500 624 00   | -             | -    | -    | 1    | 1    |            | A 10 x 13,5 DIN 7603-Cu   |
| 16           | 0000 501 379 00   | 1             | 1    | 1    | -    | -    |            | M 8 x 1 DIN 7604          |
| 16           | 0000 500 623 00   | -             | -    | -    | 1    | 1    |            | M 10 x 1 DIN 908-5.8 A3C  |
| 17           | 0000 012 802 01   | -             | -    | -    | 1    | 1    |            |                           |
| 18           | 0000 039 872 10   | -             | -    | -    | 1    | 1    |            |                           |
| 19           | 0000 500 951 00   | -             | -    | -    | 3    | 3    |            | A 8 DIN 137 A3C           |
| 20           | 0000 501 759 00   | -             | -    | -    | 1    | 1    |            | M 8 x 30 DIN 912-8.8A3C   |
| 21           | 0000 502 888 00   | -             | -    | -    | 2    | 2    |            | M 8 x 55 DIN 912-8.8A3C   |
| 22           | 0000 501 454 00   | -             | -    | -    | 2    | 2    |            | M 10 x 28 DIN 835-8.8 A3C |
| 23           | 0000 011 587 00   | -             | -    | -    | 1    | 1    |            |                           |
| 24           | 0000 010 785 01   | -             | -    | -    | 1    | 1    |            |                           |
| 25           | -----             | -             | -    | -    | -    | -    |            |                           |
| 26           | 0000 490 380 00   | -             | -    | -    | 1    | 1    |            |                           |
| 27           | 0000 490 566 00   | -             | -    | -    | 1    | 1    |            |                           |
| 28           | 0000 400 367 00   | -             | -    | -    | 1    | 1    |            | ø 62 mm                   |
| 29           | 0000 039 454 00   | -             | -    | -    | 2    | 2    |            |                           |
| 30           | 0000 501 356 00   | -             | -    | -    | 2    | 2    |            | 10 DIN 128 A3C            |
| 31           | 0000 501 458 00   | -             | -    | -    | 2    | 2    |            | M 10 DIN 934-8 A3C        |
| 32           | 0000 500 016 00   | -             | -    | -    | 1    | 1    |            | A 22 x 27 DIN 7603 Cu     |
| 33           | 0000 501 404 00   | -             | -    | -    | 1    | 1    |            | AM22x1,5DIN7604-5.8A3C    |
| 34           | 0000 022 800 00   | 1             | 1    | 1    | -    | -    |            |                           |
| 34           | 0000 022 801 00   | -             | -    | -    | 1    | 1    |            |                           |
| 35           | 0000 040 615 01   | 1             | 1    | 1    | -    | -    |            | 630 mm                    |
| 35           | 0000 040 477 01   | -             | -    | -    | 1    | 1    |            | 705 mm                    |
| 36           | -----             | -             | -    | -    | -    | -    |            |                           |
| 37           | 0000 050 394 02   | 1             | 1    | 1    | 1    | 1    |            |                           |
| 40           | 0000 504 522 00   | 1             | 1    | 1    | 1    | 1    |            | M 6                       |

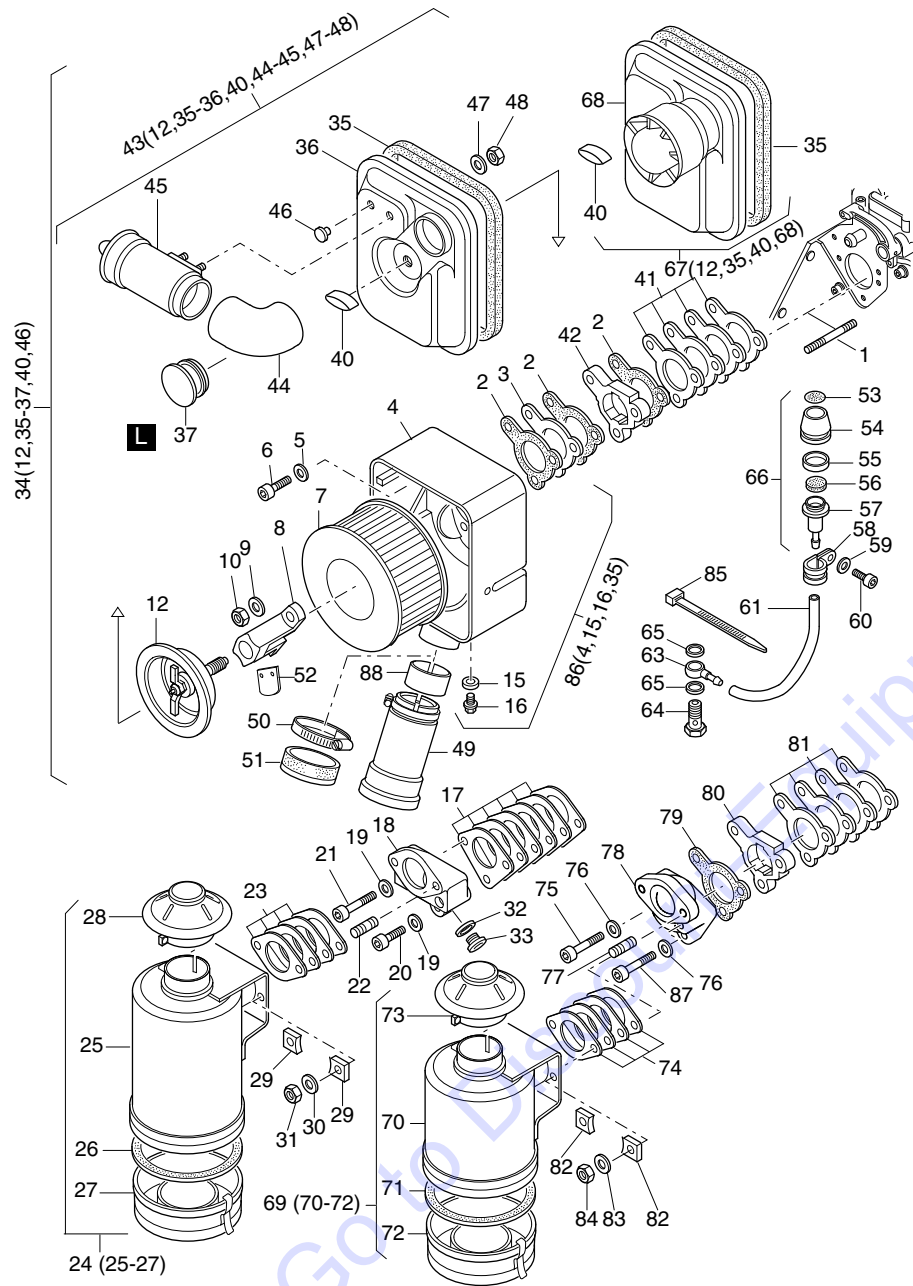
Air filter  
Luftfilter  
Filtre à air  
Filtro de aire  
Filtro aria



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen           |
|--------------|-------------------|---------------|------|------|------|------|------------|--------------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                                |
| 41           | 0000 014 491 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 41           | 0000 012 879 00   | -             | -    | -    | 1    | 1    |            |                                |
| 42           | 0000 040 531 01   | 1             | 1    | 1    | -    | -    |            |                                |
| 42           | 0000 040 473 00   | -             | -    | -    | 1    | 1    |            |                                |
| 43           | 0000 022 798 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 43           | 0000 022 799 00   | -             | -    | -    | 1    | 1    |            |                                |
| 44           | 0000 050 389 11   | 1             | 1    | 1    | 1    | 1    |            |                                |
| 45           | 0000 014 910 10   | 1             | 1    | 1    | 1    | 1    |            |                                |
| 46           | 0000 504 119 00   | 2             | 2    | 2    | 2    | 2    |            | F 2                            |
| 47           | 0000 501 200 00   | 2             | 2    | 2    | 2    | 2    |            | A 6,4 DIN 9021-St A3C          |
| 48           | 0000 506 024 00   | 2             | 2    | 2    | 2    | 2    |            | M 6 DIN 982 - 8 A3B            |
| 49           | 0000 014 712 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 49           | 0000 014 110 00   | -             | -    | -    | 1    | 1    |            |                                |
| 50           | 0000 504 066 00   | 1             | 1    | 1    | 1    | 1    |            | 40 / 60                        |
| 51           | 0000 014 814 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 51           | 0000 005 759 00   | -             | -    | -    | 1    | 1    |            |                                |
| 52           | 0000 050 335 00   | 1             | 1    | 1    | 1    | 1    |            | "S - Z" (f.Pos. 66)            |
| 53           | 0000 050 445 01   | 1             | 1    | 1    | 1    | 1    |            |                                |
| 54           | 0000 050 436 01   | 1             | 1    | 1    | 1    | 1    |            |                                |
| 55           | 0000 050 456 00   | 1             | 1    | 1    | 1    | 1    |            | (grün, green, vert, verde)     |
| 56           | 0000 051 372 00   | 1             | 1    | 1    | 1    | 1    |            | Filter, Filtre, Filtro ø 20 mm |
| 57           | 0000 050 437 00   | 1             | 1    | 1    | 1    | 1    |            |                                |
| 58           | 0000 501 735 00   | 1             | 1    | 1    | 1    | 1    |            | 10 / 15                        |
| 59           | 0000 501 709 00   | 1             | 1    | 1    | 1    | 1    |            | 6 DIN 128 - A3C                |
| 60           | 0000 501 706 00   | 1             | 1    | 1    | 1    | 1    |            | M 6 x 20 DIN 912-8.8A3C        |
| 61           | 0000 053 355 00   | 1             | 1    | 1    | -    | -    |            | 3,5 x 200                      |
| 61           | 0000 053 844 00   | -             | -    | -    | 1    | 1    |            | 3,5 x 230                      |
| 63           | 0000 500 157 00   | 1             | 1    | 1    | -    | -    |            | NW 3                           |
| 63           | 0000 501 595 00   | -             | -    | -    | 1    | 1    |            | NW 4 / 3                       |
| 64           | 0000 500 061 00   | 1             | 1    | 1    | -    | -    |            | 4-5-3 DIN 7643                 |
| 64           | 0000 500 062 00   | -             | -    | -    | 1    | 1    |            | 6 - 3 DIN 7643                 |
| 65           | 0000 500 009 00   | 2             | 2    | 2    | -    | -    |            | A 8 x 11,5 DIN 7603-Cu         |
| 65           | 0000 500 624 00   | -             | -    | -    | 2    | 2    |            | A 10 x 13,5 DIN 7603-Cu        |
| 66           | 0000 014 998 02   | 1             | 1    | 1    | 1    | 1    |            |                                |
| 67           | 0000 022 796 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 67           | 0000 022 797 00   | -             | -    | -    | 1    | 1    |            |                                |
| 68           | -----             | -             | -    | -    | -    | -    |            |                                |
| 69           | 0000 016 471 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 70           | -----             | -             | -    | -    | -    | -    |            |                                |
| 71           | 0000 490 380 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 72           | 0000 490 379 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 73           | 0000 400 404 00   | 1             | 1    | 1    | -    | -    |            |                                |
| 74           | 0000 016 514 01   | 1             | 1    | 1    | -    | -    |            |                                |
| 75           | 0000 503 929 00   | 2             | 2    | 2    | -    | -    |            | M 8 x 50 DIN 912-8.8A3C        |
| 76           | 0000 500 951 00   | 3             | 3    | 3    | -    | -    |            | A 8 DIN 137 A3C                |

Z02a

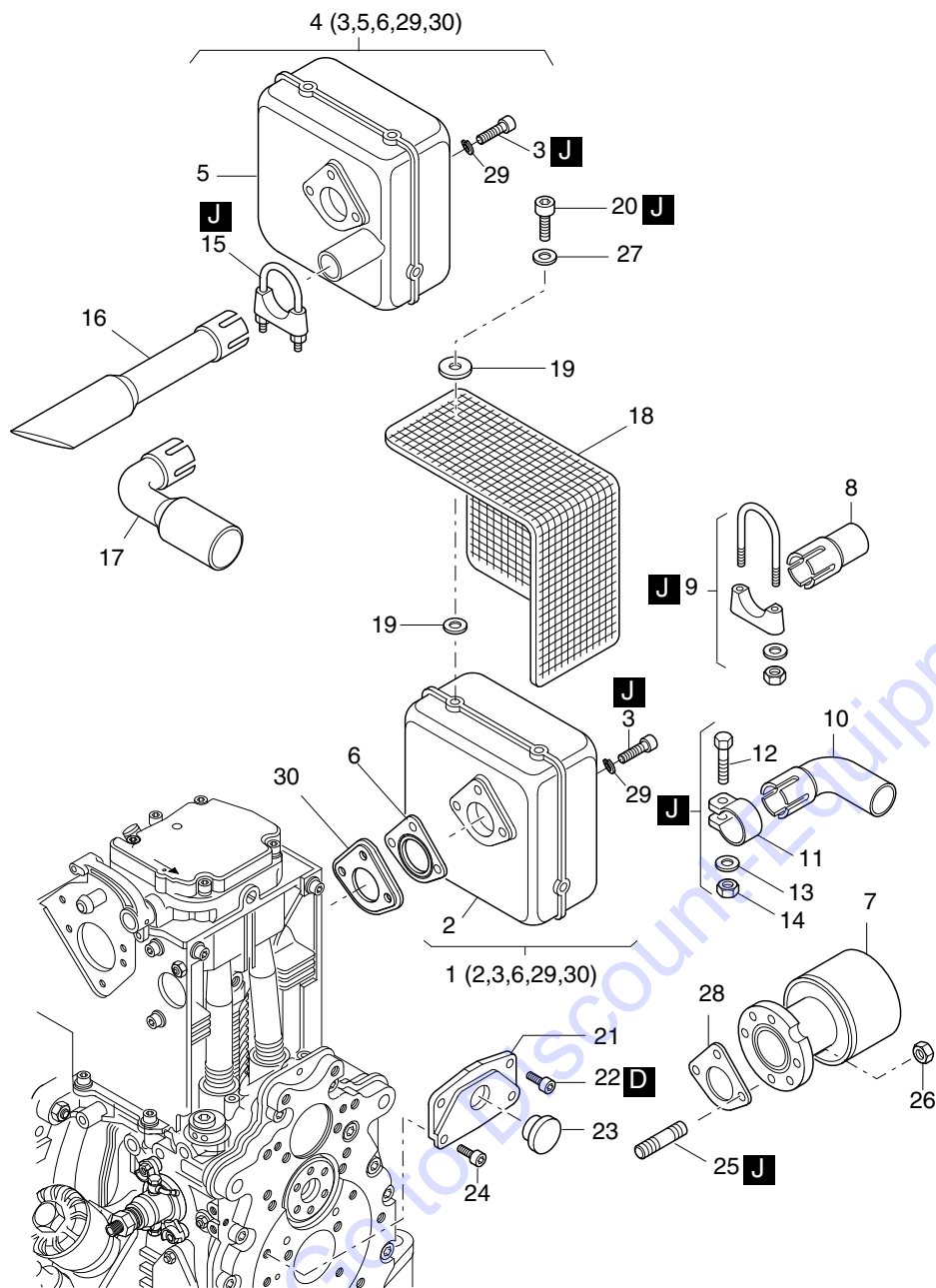
Air filter  
Luftfilter  
Filtre à air  
Filtro de aire  
Filtro aria



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|---------------|------|------|------|------|------------|---------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                           |
| 77           | 0000 501 457 00   | 2             | 2    | 2    | -    | -    |            | M 10 x 20 DIN 835-8.8 A3C |
| 78           | 0000 051 731 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 79           | 0000 040 298 00   | 1             | 1    | 1    | -    | -    |            | d3                        |
| 80           | 0000 040 531 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 81           | 0000 014 491 00   | 1             | 1    | 1    | -    | -    |            |                           |
| 82           | 0000 039 454 00   | 2             | 2    | 2    | -    | -    |            |                           |
| 83           | 0000 501 356 00   | 2             | 2    | 2    | -    | -    |            | 10 DIN 128 A3C            |
| 84           | 0000 501 458 00   | 2             | 2    | 2    | -    | -    |            | M 10 DIN 934-8 A3C        |
| 85           | 0000 503 584 00   | 1             | 1    | 1    | 1    | 1    |            | 4,8 x 200 mm Black        |
| 86           | 0000 014 983 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 86           | 0000 014 866 01   | -             | -    | -    | 1    | 1    |            | s.Grp Z05c Pos 24/25      |
| 87           | 0000 501 772 00   | 1             | 1    | 1    | -    | -    |            | M 8 x 80 DIN 912-8.8A3C   |
| 88           | 0000 050 261 00   | -             | -    | -    | 1    | 1    |            |                           |

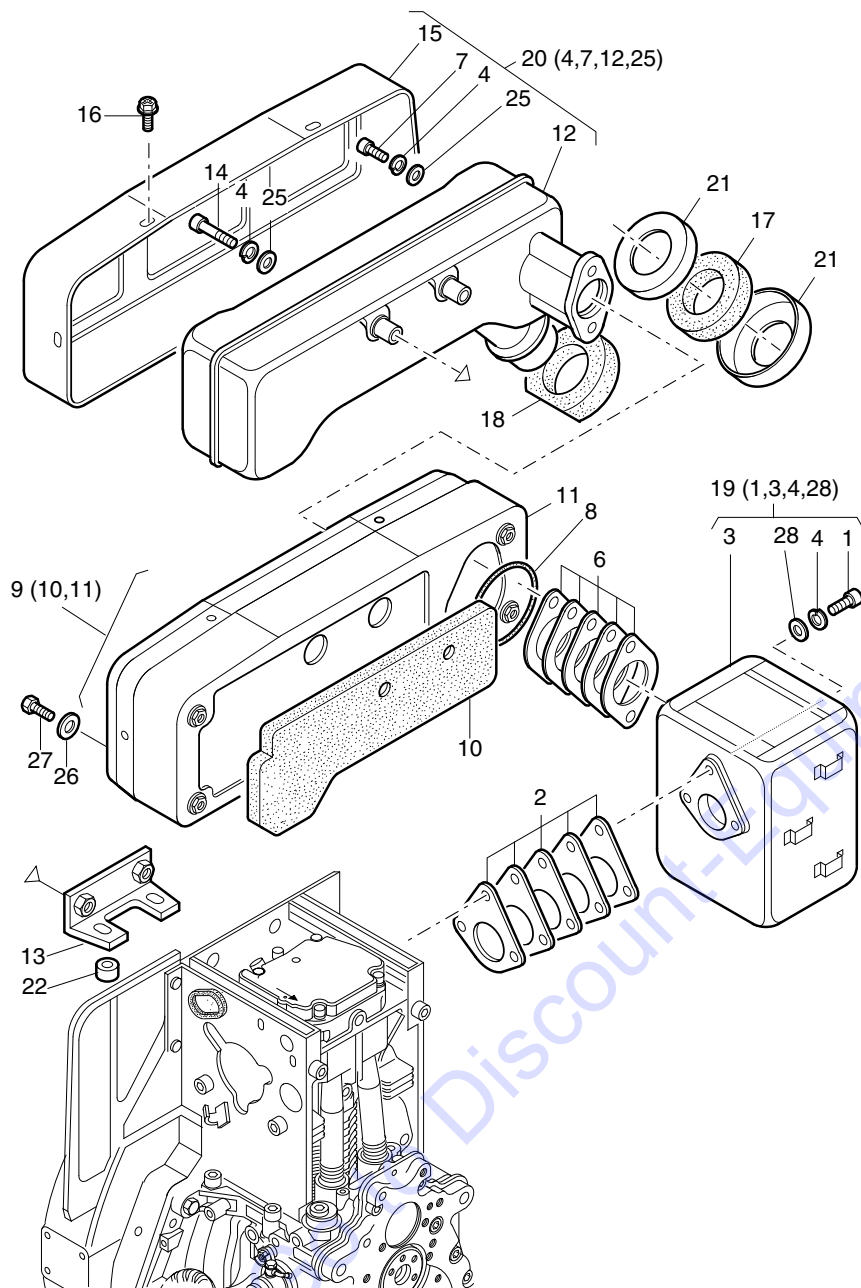


Exhaust silencer S, Z  
 Abgasdämpfer S, Z  
 Silencieux S, Z  
 Silenciador S, Z  
 Scarico S, Z



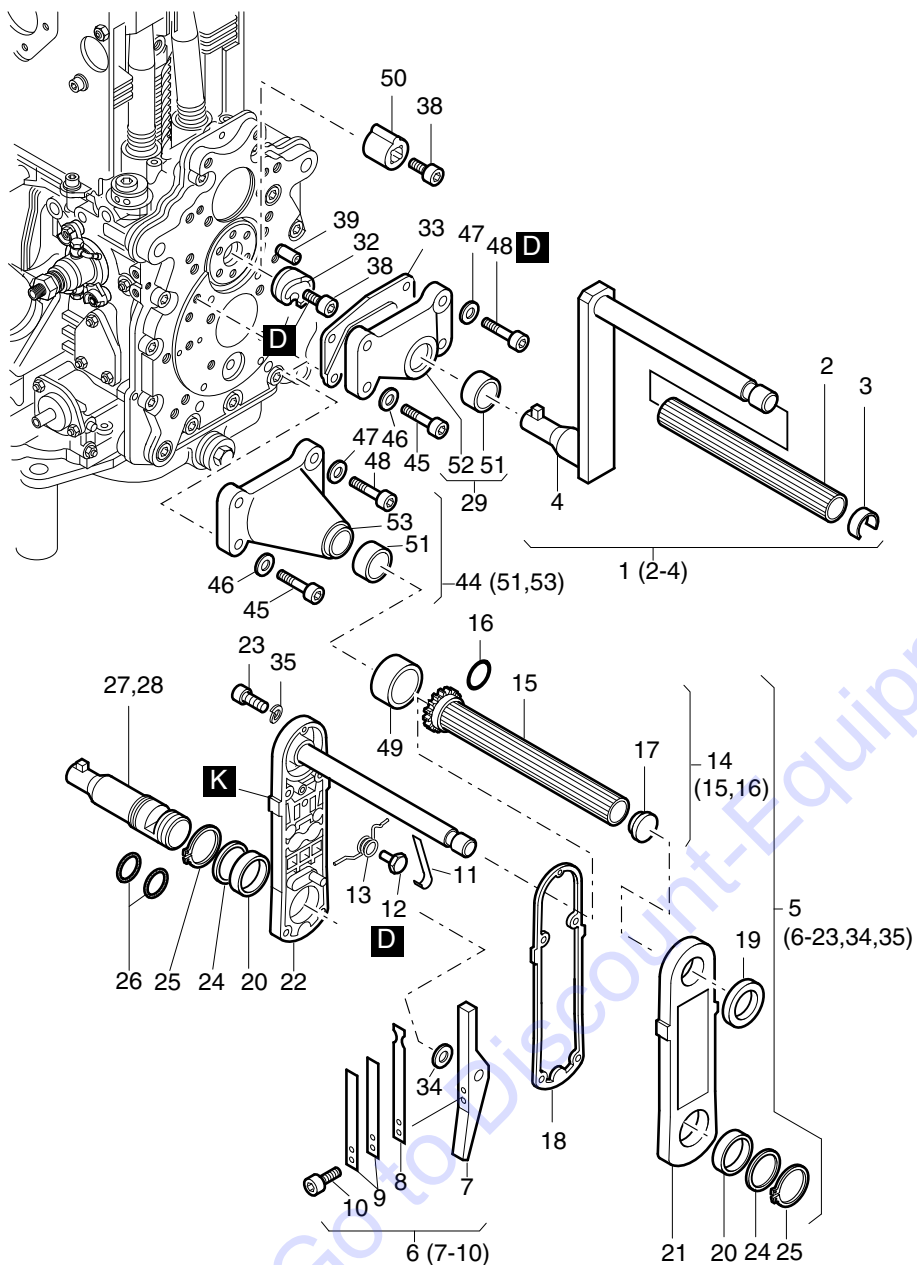
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|---------------|------|------|------|------|------------|---------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                           |
| 1            | 0000 015 586 02   | 1             | 1    | 1    | -    | -    |            |                           |
| 1            | 0000 014 988 03   | -             | -    | -    | 1    | 1    |            |                           |
| 2            | -----             | -             | -    | -    | -    | -    |            |                           |
| 3            | 0000 504 040 00   | 3             | 3    | 3    | 3    | 3    |            | M 8 x 30 DIN 912-8.8C4P   |
| 4            | 0000 015 077 02   | 1             | 1    | 1    | -    | -    |            |                           |
| 4            | 0000 015 075 02   | -             | -    | -    | 1    | 1    |            |                           |
| 5            | -----             | -             | -    | -    | -    | -    |            |                           |
| 6            | 0000 039 742 00   | 1             | 1    | 1    | -    | -    | d1         |                           |
| 6            | 0000 039 743 00   | -             | -    | -    | 1    | 1    | d1         |                           |
| 7            | 0000 015 009 01   | 1             | 1    | 1    | 1    | 1    |            |                           |
| 8            | 0000 039 983 00   | 1             | 1    | 1    | -    | -    |            |                           |
| 9            | 0000 008 731 00   | 1             | 1    | 1    | -    | -    |            | 40 / 42                   |
| 10           | 0000 037 408 01   | 1             | 1    | 1    | -    | -    |            | ø 38                      |
| 10           | 0000 038 773 00   | -             | -    | -    | 1    | 1    |            |                           |
| 11           | 0000 037 409 00   | 1             | 1    | 1    | -    | -    |            | 41,5 mm                   |
| 11           | 0000 038 777 00   | -             | -    | -    | 1    | 1    |            | 52,5 mm                   |
| 12           | 0000 503 800 00   | 1             | 1    | 1    | -    | -    |            | M 8 x 50 DIN 931-8.8 A3C  |
| 12           | 0000 502 495 00   | -             | -    | -    | 1    | 1    |            | M 10 x 50 DIN 931-8.8 A3C |
| 13           | 0000 501 481 00   | 1             | 1    | 1    | -    | -    |            | 8,4 DIN 125-St A3C        |
| 13           | 0000 501 459 00   | -             | -    | -    | 1    | 1    |            | 10,5 DIN 125-St A3C       |
| 14           | 0000 400 284 00   | 1             | 1    | 1    | -    | -    |            | VM 8 DIN 980-8 C3A        |
| 14           | 0000 400 286 00   | -             | -    | -    | 1    | 1    |            | VM 10 DIN 980-8 C3A       |
| 15           | 0000 503 880 00   | 1             | 1    | 1    | -    | -    |            | 1/8-28                    |
| 15           | 0000 503 881 00   | -             | -    | -    | 1    | 1    |            | 3/8-36                    |
| 16           | 0000 039 973 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 16           | 0000 039 971 01   | -             | -    | -    | 1    | 1    |            |                           |
| 17           | 0000 039 972 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 17           | 0000 039 970 00   | -             | -    | -    | 1    | 1    |            |                           |
| 18           | 0000 051 407 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 18           | 0000 011 919 03   | -             | -    | -    | 1    | 1    |            |                           |
| 19           | 0000 050 342 02   | 8             | 8    | 8    | 10   | 10   |            | 6,5 x 38                  |
| 20           | 0000 502 557 00   | 4             | 4    | 4    | 5    | 5    |            | M 6 x 12 DIN 912-8.8C4A   |
| 21           | 0000 039 853 00   | 1             | 1    | 1    | 1    | 1    |            |                           |
| 22           | 0000 501 357 00   | 2             | 2    | 2    | 2    | 2    |            | M 10 x 16 DIN 912-8.8A3C  |
| 23           | 0000 400 914 00   | 1             | 1    | 1    | 1    | 1    |            | F24                       |
| 24           | 0000 501 654 00   | 2             | 2    | 2    | 2    | 2    |            | M 8 x 16 DIN 912-8.8A3C   |
| 25           | 0000 500 378 00   | 2             | 2    | 2    | -    | -    |            | M 8 x 22 DIN 835-10.9     |
| 25           | 0000 500 373 00   | -             | -    | -    | 2    | 2    |            | M 8 x 18 DIN 835-10.9     |
| 26           | 0000 400 284 00   | 2             | 2    | 2    | 2    | 2    |            | VM 8 DIN 980-8 C3A        |
| 27           | 0000 501 200 00   | 4             | 4    | 4    | 5    | 5    |            | A 6,4 DIN 9021-St A3C     |
| 28           | 0000 014 893 10   | 2             | 2    | 2    | -    | -    |            |                           |
| 28           | 0000 014 291 00   | -             | -    | -    | 1    | 1    |            |                           |
| 29           | 0000 502 085 00   | 3             | 3    | 3    | 3    | 3    |            | 8 DIN 128 A3C             |
| 30           | 0000 042 126 01   | 1             | 1    | 1    | -    | -    |            |                           |
| 30           | 0000 041 256 01   | -             | -    | -    | 1    | 1    |            |                           |

Exhaust silencer C  
Abgasdämpfer C  
Silencieux C  
Silenciador C  
Scarico C



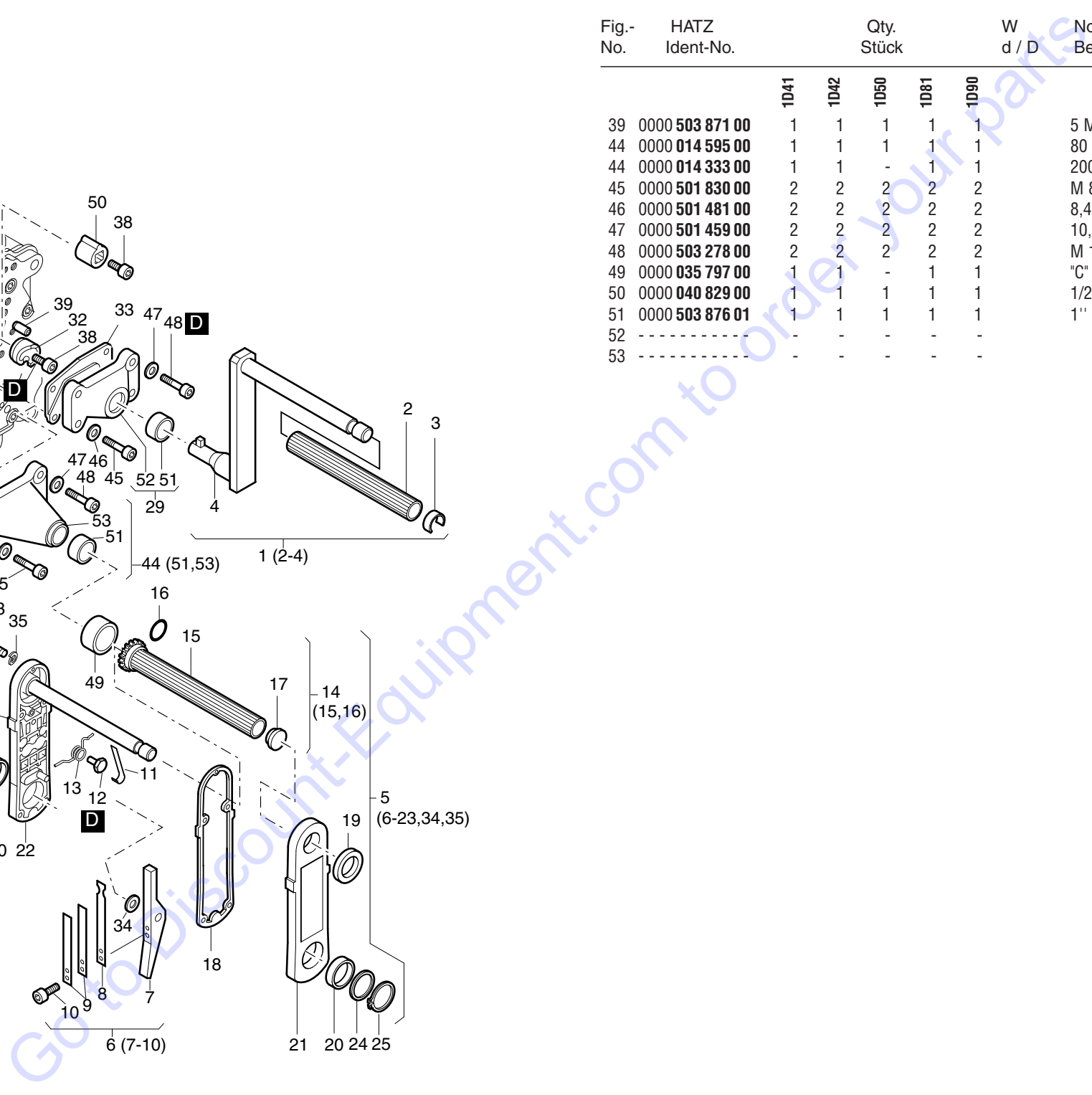
| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |       |       |       | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|---------------|-------|-------|-------|------------|-------------------------|
|              |                   | 1D41C         | 1D42C | 1D81C | 1D90C |            |                         |
| 1            | 0000 504 296 00   | 3             | 3     | -     | -     |            | M 8 x 35 DIN 912-8.8C4P |
| 1            | 0000 504 040 00   | -             | -     | 3     | 3     |            | M 8 x 30 DIN 912-8.8C4P |
| 2            | 0000 014 279 00   | 1             | 1     | -     | -     |            |                         |
| 2            | 0000 014 291 00   | -             | -     | 1     | 1     |            |                         |
| 3            | -----             | -             | -     | -     | -     |            |                         |
| 4            | 0000 503 473 01   | 7             | 7     | 7     | 7     |            | VHZ 8 A3C               |
| 6            | 0000 013 093 00   | 1             | 1     | -     | -     |            |                         |
| 6            | 0000 012 878 00   | -             | -     | 1     | 1     |            |                         |
| 7            | 0000 504 039 00   | 2             | 2     | 2     | 2     |            | M 8 x 25 DIN 912-8.8C4P |
| 8            | 0000 503 497 00   | -             | -     | 1     | 1     |            | 100 x 2,5               |
| 9            | 0000 013 094 00   | 1             | 1     | -     | -     |            |                         |
| 9            | 0000 012 782 00   | -             | -     | 1     | 1     |            |                         |
| 10           | 0000 040 788 00   | 1             | 1     | -     | -     |            |                         |
| 10           | 0000 040 454 00   | -             | -     | 1     | 1     |            |                         |
| 11           | -----             | -             | -     | -     | -     |            |                         |
| 12           | -----             | -             | -     | -     | -     |            |                         |
| 13           | 0000 013 078 00   | 1             | 1     | -     | -     |            |                         |
| 13           | 0000 012 827 10   | -             | -     | 1     | 1     |            |                         |
| 14           | 0000 504 041 00   | 2             | 2     | 2     | 2     |            | M 8 x 60 DIN 912-8.8C4P |
| 15           | 0000 013 075 01   | 1             | 1     | -     | -     |            |                         |
| 15           | 0000 012 740 01   | -             | -     | 1     | 1     |            |                         |
| 16           | 0000 506 062 00   | 8             | 8     | 6     | 6     |            | M 6 x 12 KZ 1-8.8 A3D   |
| 17           | 0000 040 795 00   | 1             | 1     | -     | -     |            | 33 x 62x 15             |
| 18           | 0000 040 500 00   | -             | -     | 1     | 1     |            |                         |
| 19           | 0000 013 096 00   | 1             | 1     | -     | -     |            |                         |
| 19           | 0000 014 690 10   | -             | -     | 1     | 1     |            |                         |
| 20           | 0000 013 095 00   | 1             | 1     | -     | -     |            |                         |
| 20           | 0000 014 691 00   | -             | -     | 1     | 1     |            |                         |
| 21           | 0000 040 794 00   | 2             | 2     | -     | -     |            |                         |
| 22           | 0000 040 646 00   | 2             | 2     | -     | -     |            | 8,4 x 19 x 5,5          |
| 25           | 0000 501 157 00   | 4             | 4     | 4     | 4     |            | 8,4 DIN433-St 140 HV    |
| 26           | 0000 500 027 00   | -             | -     | 4     | 4     |            | 6 DIN 128               |
| 27           | 0000 500 257 00   | -             | -     | 4     | 4     |            | M 6 x 16 DIN 933-8.8    |
| 28           | 0000 501 157 00   | 3             | 3     | 3     | 3     |            | 8,4 DIN433-St 140 HV    |

Starting handle  
Andrehkurbel  
Manivelle  
Manivela  
Manovella



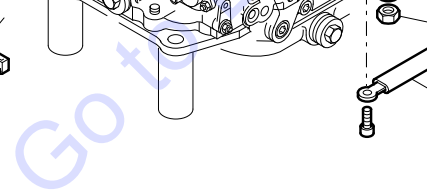
| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |       |       |       |       | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|------------------------|---------------|-------|-------|-------|-------|------------|---------------------------|
|              |                        | 1D41          | 1D42  | 1D50  | 1D81  | 1D90  |            |                           |
| 1            | 0000 <b>012 480 02</b> | 1             | 1     | 1     | 1     | 1     |            | 80 mm                     |
| 1            | 0000 <b>014 073 02</b> | 1             | 1     | 1     | 1     | 1     |            | 200 mm                    |
| 1            | 0000 <b>014 265 02</b> | 1             | 1     | 1     | 1     | 1     |            | 140 mm                    |
| 1            | 0000 <b>014 267 02</b> | 1             | 1     | 1     | 1     | 1     |            | 160 mm                    |
| 1            | 0000 <b>014 332 02</b> | 1             | 1     | 1     | 1     | 1     |            | 275 mm                    |
| 1            | 0000 <b>014 698 00</b> | 1             | 1     | 1     | 1     | 1     |            | 330 mm                    |
| 2            | 0000 <b>035 224 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 3            | 0000 <b>035 154 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 4            | -----                  | -             | -     | -     | -     | -     |            |                           |
| 5            | 0000 <b>010 278 05</b> | 1             | 1     | 1     | 1     | 1     |            | "A"                       |
| 6            | 0000 <b>010 114 04</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 7            | -----                  | -             | -     | -     | -     | -     |            |                           |
| 8            | 0000 <b>038 121 02</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 9            | 0000 <b>039 171 00</b> | 2             | 2     | 2     | 2     | 2     |            |                           |
| 10           | 0000 <b>503 165 00</b> | 2             | 2     | 2     | 2     | 2     |            | M 5 x 8 DIN 6912-8.8 A3C  |
| 11           | 0000 <b>039 549 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 12           | 0000 <b>039 556 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 13           | 0000 <b>039 559 00</b> | 1             | 1     | 1     | 1     | 1     |            | "A"                       |
| 14           | 0000 <b>010 113 10</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 15           | -----                  | -             | -     | -     | -     | -     |            |                           |
| 16           | 0000 <b>501 691 00</b> | 1             | 1     | 1     | 1     | 1     |            | 19 x 1,8                  |
| 17           | 0000 <b>501 992 00</b> | 1             | 1     | 1     | 1     | 1     |            | V18                       |
| 18           | 0000 <b>038 130 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 19           | 0000 <b>501 942 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 20           | 0000 <b>501 934 00</b> | 2             | 2     | 2     | 2     | 2     |            | 28 x 35 x 4               |
| 21           | -----                  | -             | -     | -     | -     | -     |            |                           |
| 22           | -----                  | -             | -     | -     | -     | -     |            |                           |
| 23           | 0000 <b>502 366 00</b> | 5             | 5     | 5     | 5     | 5     |            | M 6 x 25 DIN 6912-8.8 A3C |
| 24           | 0000 <b>039 286 10</b> | 0...2         | 0...2 | 0...2 | 0...2 | 0...2 |            | 30 x 38 x 0,10            |
| 25           | 0000 <b>501 943 00</b> | 2             | 2     | 2     | 2     | 2     |            | A 30 x 1,5 K DIN 983      |
| 26           | 0000 <b>502 585 00</b> | 2             | 2     | 2     | 2     | 2     |            | 26 x 1,5                  |
| 27           | 0000 <b>011 872 02</b> | 1             | 1     | 1     | 1     | 1     |            | 80 mm                     |
| 27           | 0000 <b>014 114 02</b> | 1             | 1     | 1     | 1     | 1     |            | 200 mm                    |
| 27           | 0000 <b>014 211 02</b> | 1             | 1     | 1     | 1     | 1     |            | 275 mm                    |
| 27           | 0000 <b>014 268 02</b> | 1             | 1     | 1     | 1     | 1     |            | 140 mm                    |
| 27           | 0000 <b>014 269 02</b> | 1             | 1     | 1     | 1     | 1     |            | 160 mm                    |
| 27           | 0000 <b>014 697 00</b> | 1             | 1     | 1     | 1     | 1     |            | 330 mm                    |
| 28           | -----                  | -             | -     | -     | -     | -     |            |                           |
| 29           | 0000 <b>014 636 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 29           | 0000 <b>050 582 00</b> | 1             | 1     | 1     | 1     | 1     |            | Ammann                    |
| 32           | 0000 <b>040 203 10</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 33           | 0000 <b>039 853 00</b> | 1             | 1     | 1     | 1     | 1     |            |                           |
| 34           | 0000 <b>501 958 00</b> | 1             | 1     | 1     | 1     | 1     |            | 10 x 16 x 0,5 DIN 988     |
| 35           | 0000 <b>501 709 00</b> | 5             | 5     | 5     | 5     | 5     |            | 6 DIN 128 - A3C           |
| 38           | 0000 <b>501 349 00</b> | 1             | 1     | 1     | 1     | 1     |            | M 8 x 16 DIN 6912-8.8 A3C |

Starting handle  
Andrehkurbel  
Manivelle  
Manivela  
Manovella



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|------------------------|---------------|------|------|------|------|------------|--------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                          |
| 39           | 0000 <b>503 871 00</b> | 1             | 1    | 1    | 1    | 1    |            | 5 M 6 x 20 DIN 6325      |
| 44           | 0000 <b>014 595 00</b> | 1             | 1    | 1    | 1    | 1    |            | 80 - 200 mm              |
| 44           | 0000 <b>014 333 00</b> | 1             | 1    | -    | 1    | 1    |            | 200 - 265 mm "C"         |
| 45           | 0000 <b>501 830 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 8 x 35 DIN 912-8.8A3C  |
| 46           | 0000 <b>501 481 00</b> | 2             | 2    | 2    | 2    | 2    |            | 8,4 DIN 125-St A3C       |
| 47           | 0000 <b>501 459 00</b> | 2             | 2    | 2    | 2    | 2    |            | 10,5 DIN 125-St A3C      |
| 48           | 0000 <b>503 278 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 10 x 35 DIN 912-8.8A3C |
| 49           | 0000 <b>035 797 00</b> | 1             | 1    | -    | 1    | 1    |            | "C"                      |
| 50           | 0000 <b>040 829 00</b> | 1             | 1    | 1    | 1    | 1    |            | 1/2"                     |
| 51           | 0000 <b>503 876 01</b> | 1             | 1    | 1    | 1    | 1    |            | 1"                       |
| 52           | -----                  | -             | -    | -    | -    | -    |            |                          |
| 53           | -----                  | -             | -    | -    | -    | -    |            |                          |

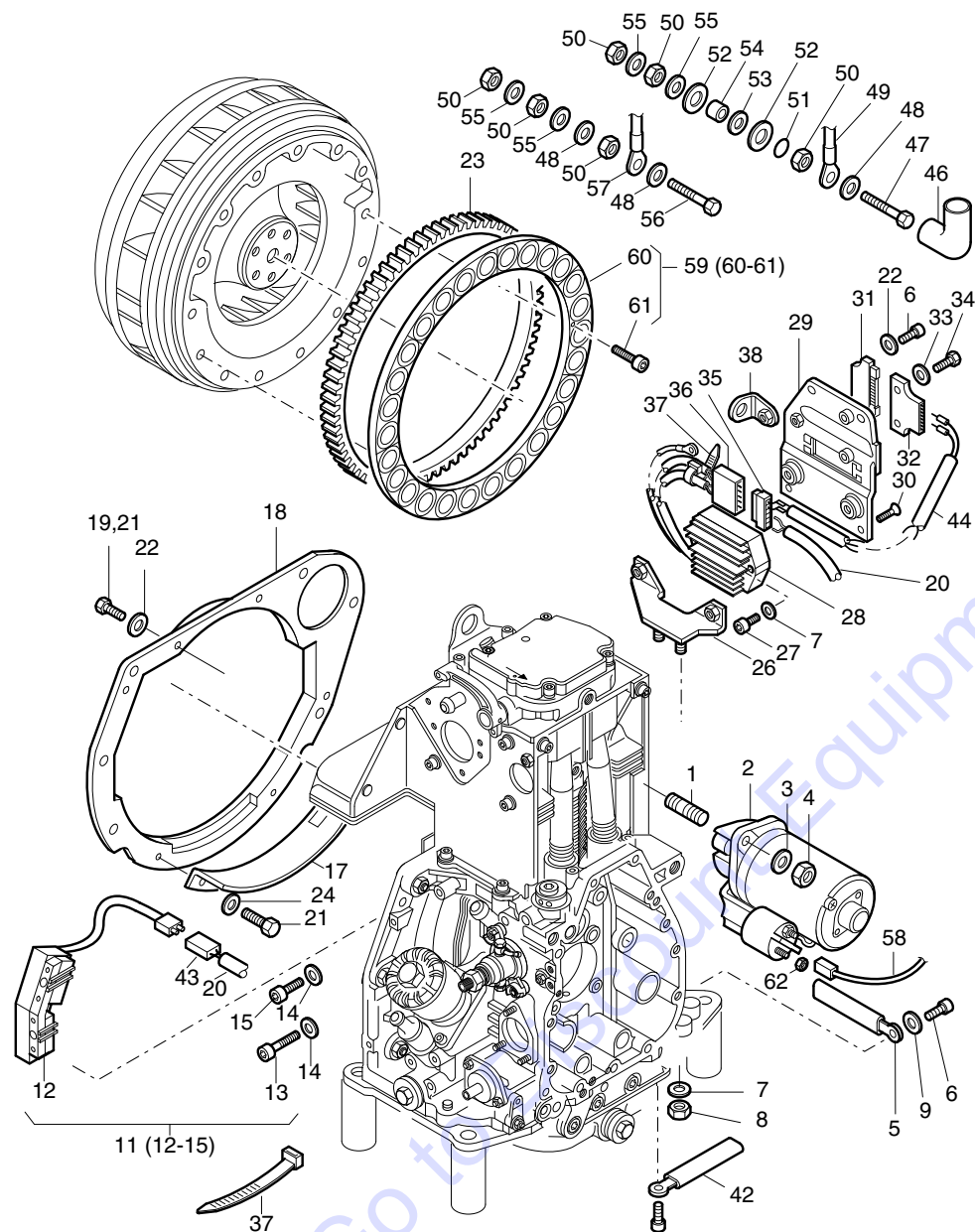
Starter, alternator  
Starter, Generator  
Démarreur, alternateur  
Arrancador, alternador  
Motorino avviamento, alternatore



|    |      |                   |   |   |   |   |   |         |
|----|------|-------------------|---|---|---|---|---|---------|
| 12 | 0000 | <b>018 636 00</b> | - | - | 1 | - | - | 12 V    |
| 12 | 0000 | <b>018 638 00</b> | - | - | 1 | - | - | 24 V    |
| 13 | 0000 | <b>502 366 00</b> | 1 | 1 | 1 | - | - | M 6 x 1 |
| 13 | 0000 | <b>504 488 00</b> | - | - | - | 1 | 1 | M 6 x 1 |
| 14 | 0000 | <b>503 907 01</b> | 2 | 2 | 2 | 2 | 2 | 6 DIN   |
| 15 | 0000 | <b>504 487 00</b> | 1 | 1 | 1 | 1 | 1 | M 6 x 1 |
| 17 | 0000 | <b>040 211 00</b> | - | - | - | 1 | 1 | "S, Z"  |
| 18 | 0000 | <b>040 318 10</b> | 1 | 1 | - | - | - |         |
| 18 | 0000 | <b>041 368 01</b> | - | - | 1 | - | - |         |
| 18 | 0000 | <b>040 099 20</b> | - | - | - | 1 | 1 |         |
| 19 | 0000 | <b>500 985 00</b> | - | - | 2 | - | - | M 8 x 1 |



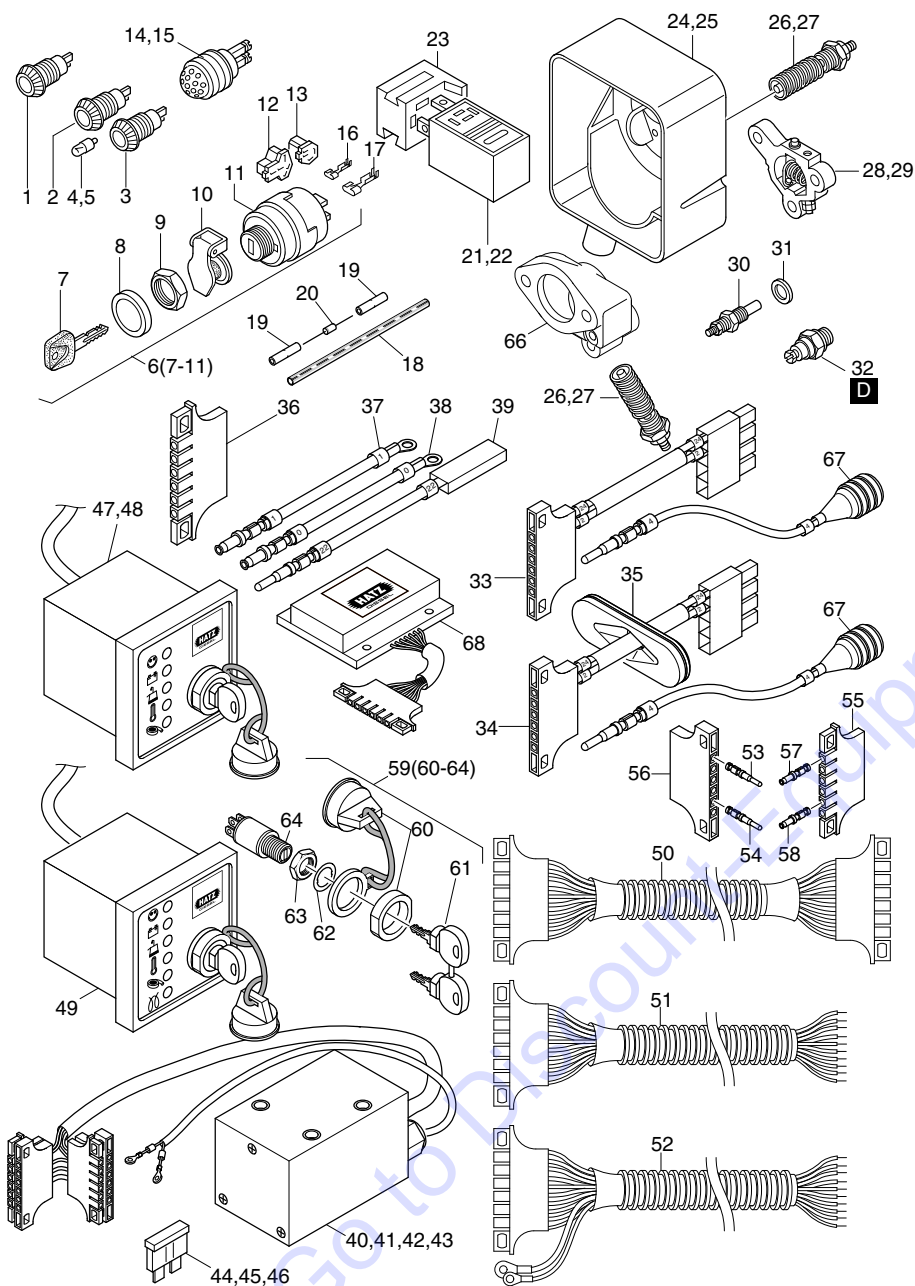
Starter, alternator  
 Starter, Generator  
 Démarreur, alternateur  
 Arrancador, alternador  
 Motorino avviamento, alternatore



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen          |
|--------------|------------------------|---------------|------|------|------|------|------------|-------------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                               |
| 33           | 0000 <b>502 163 00</b> | 2             | 2    | 2    | 2    | 2    |            | 5,3 DIN 125-St A3C            |
| 34           | 0000 <b>503 357 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 5 x 25 DIN 933-8.8 A3C      |
| 35           | 0000 <b>504 021 00</b> | 1             | 1    | 1    | 1    | 1    |            | 4-P.                          |
| 36           | 0000 <b>504 020 00</b> | 1             | 1    | 1    | 1    | 1    |            |                               |
| 37           | 0000 <b>503 584 00</b> | 4             | 4    | 4    | 4    | 4    |            | 4,8 x 200 mm Black            |
| 38           | 0000 <b>014 405 00</b> | 1             | 1    | 1    | -    | -    |            |                               |
| 38           | 0000 <b>014 402 00</b> | -             | -    | -    | 1    | 1    |            |                               |
| 42           | 0000 <b>050 239 00</b> | 2             | 2    | 2    | 2    | 2    |            |                               |
| 43           | 0000 <b>503 797 00</b> | 1             | 1    | 1    | 1    | 1    |            |                               |
| 44           | 0000 <b>014 394 00</b> | 1             | 1    | 1    | 1    | 1    |            | Pos. 35 incl.                 |
| 46           | 0000 <b>400 266 00</b> | 1             | 1    | -    | 1    | 1    |            | "C"                           |
| 47           | 0000 <b>504 003 00</b> | 1             | 1    | -    | 1    | 1    |            | M 8 x 40 DIN 933-MS           |
| 48           | 0000 <b>501 799 00</b> | 2             | 2    | -    | 2    | 2    |            | J 8,4 Zn DIN 6997 A3C         |
| 49           | 0000 <b>014 308 00</b> | 1             | 1    | -    | 1    | 1    |            | "Plus"                        |
| 50           | 0000 <b>500 230 00</b> | 6             | 6    | -    | 6    | 6    |            | M 8 DIN 934-MS                |
| 51           | 0000 <b>504 269 00</b> | 1             | 1    | -    | 1    | 1    |            | A 8,4 DIN 6798 A3C            |
| 52           | 0000 <b>038 141 00</b> | 2             | 2    | -    | 2    | 2    |            |                               |
| 53           | 0000 <b>504 268 00</b> | 1             | 1    | -    | 1    | 1    |            | J 10,5 DIN 6797 A3C           |
| 54           | 0000 <b>038 142 00</b> | 1             | 1    | -    | 1    | 1    |            |                               |
| 55           | 0000 <b>500 168 00</b> | 2             | 2    | -    | 2    | 2    |            | 8,4 DIN 125-MS                |
| 56           | 0000 <b>502 753 00</b> | 1             | 1    | -    | 1    | 1    |            | M 8 x 35 DIN 933-MS           |
| 57           | 0000 <b>014 309 00</b> | 1             | 1    | -    | 1    | 1    |            | "Minus"                       |
| 58           | 0000 <b>011 934 01</b> | 1             | 1    | 1    | 1    | 1    |            | Starter 50                    |
| 59           | 0000 <b>015 873 00</b> | -             | -    | -    | 1    | 1    |            | Magnetring kpl.               |
| 59           | 0000 <b>016 624 00</b> | -             | -    | -    | 1    | 1    |            | Magnetring kpl. 350 W         |
| 60           | 0000 <b>015 436 00</b> | 1             | 1    | 1    | -    | -    |            |                               |
| 60           | 0000 <b>018 634 00</b> | -             | -    | 1    | -    | -    |            | Magnetring 300 W              |
| 61           | 0000 <b>504 469 00</b> | 12            | 12   | 12   | 14   | 14   |            | M 4 x 16 DIN 912-8.8 A3C Tuf. |
| 62           | 0000 <b>503 447 00</b> | 1             | 1    | 1    | 1    | 1    |            | M 8 DIN 936 - 5 A3C           |

# Z05c, Z11

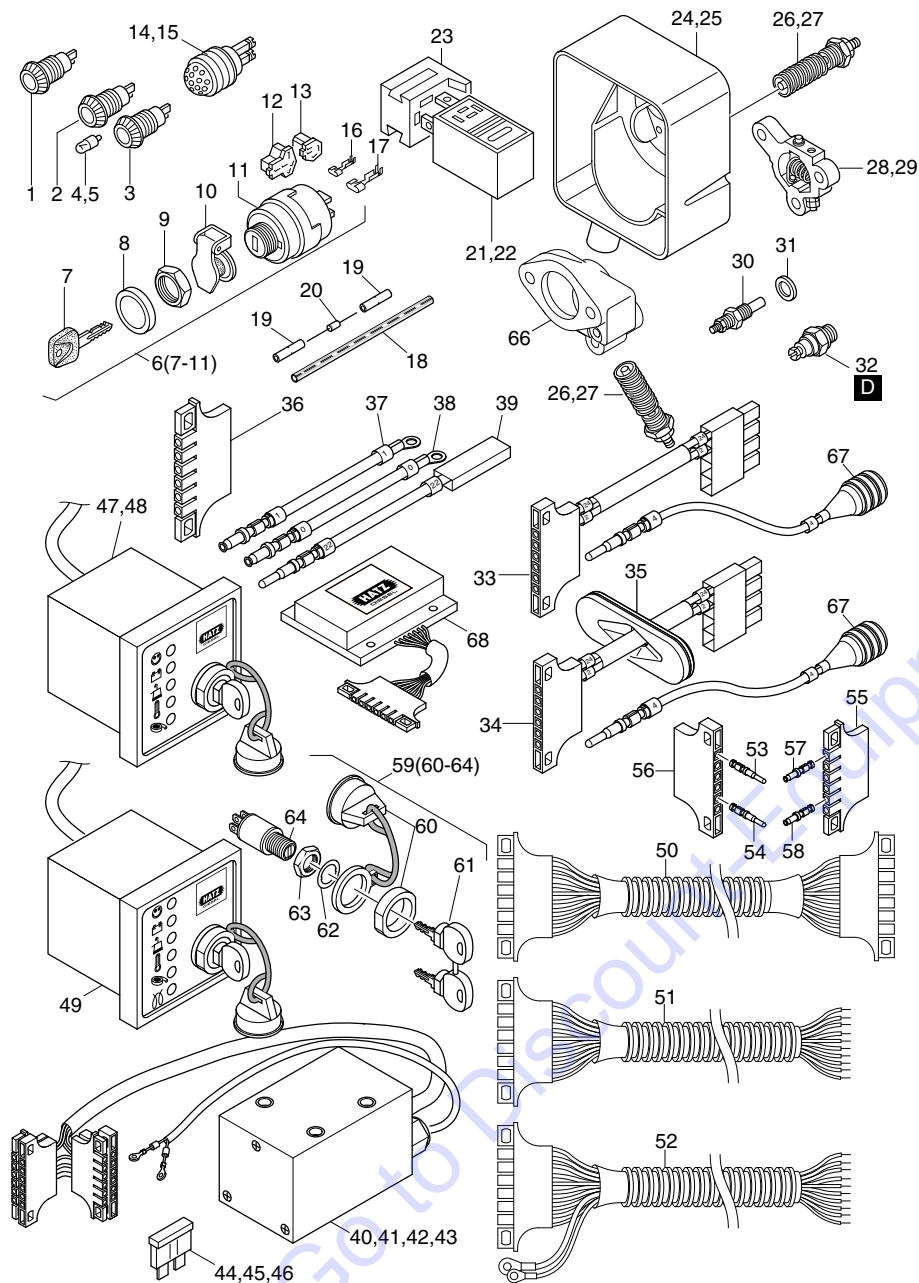
Instrument box - Powerbox  
 Armaturenkasten - Powerbox  
 Boîtier de bord - Powerbox  
 Cuadro de mando - Powerbox  
 Cruscotto - Powerbox



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |        |        |        |        | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|-------------------|---------------|--------|--------|--------|--------|------------|---------------------------|
|              |                   | 1D41          | 1D42   | 1D50   | 1D81   | 1D90   |            |                           |
| 1            | 0000 501 765 00   | 1             | 1      | 1      | 1      | 1      |            | BATT.                     |
| 2            | 0000 501 764 00   | 1             | 1      | 1      | 1      | 1      |            | TEMP.                     |
| 3            | 0000 501 766 00   | 1             | 1      | 1      | 1      | 1      |            | OIL                       |
| 4            | 0000 400 097 00   | 0... 3        | 0... 3 | 0... 3 | 0... 3 | 0... 3 |            | 12 V - 2 W                |
| 5            | 0000 400 098 00   | 0... 3        | 0... 3 | 0... 3 | 0... 3 | 0... 3 |            | 24 V - 2 W                |
| 6            | 0000 502 765 02   | 1             | 1      | 1      | 1      | 1      |            |                           |
| 7            | 0000 503 453 00   | 1             | 1      | 1      | 1      | 1      |            | 14603                     |
| 8            | -----             | -             | -      | -      | -      | -      |            |                           |
| 9            | -----             | -             | -      | -      | -      | -      |            |                           |
| 10           | 0000 490 509 00   | 1             | 1      | 1      | 1      | 1      |            |                           |
| 11           | -----             | -             | -      | -      | -      | -      |            |                           |
| 12           | 0000 502 767 00   | 1             | 1      | 1      | 1      | 1      |            | 6 - P                     |
| 13           | 0000 502 766 00   | 1             | 1      | 1      | 1      | 1      |            | 4 - P                     |
| 14           | 0000 504 036 00   | 1             | 1      | 1      | -      | -      |            | 12 - 24 V                 |
| 15           | 0000 503 972 00   | -             | -      | -      | 1      | 1      |            | 12 - 24 V                 |
| 16           | 0000 400 747 00   | 5             | 5      | 5      | 5      | 5      |            | B 6,3 - 2,5 BZ            |
| 17           | 0000 502 768 00   | 4             | 4      | 4      | 4      | 4      |            | 9,5 - 6A                  |
| 18           | 0000 036 700 00   | 2             | 2      | 2      | 2      | 2      |            | 4 x 120 mm                |
| 19           | 0000 501 892 00   | 4             | 4      | 4      | 4      | 4      |            |                           |
| 20           | 0000 503 444 00   | 2             | 2      | 2      | 2      | 2      |            | 1 N 4007                  |
| 21           | 0000 502 758 02   | 0... 1        | 0... 1 | 0... 1 | 0... 1 | 0... 1 |            | 12 V HATZ MSR             |
| 22           | 0000 502 759 02   | 0... 1        | 0... 1 | 0... 1 | 0... 1 | 0... 1 |            | 24 V HATZ MSR             |
| 23           | 0000 502 760 00   | 1             | 1      | 1      | 1      | 1      |            |                           |
| 24           | 0000 050 351 10   | 0... 1        | 0... 1 | 0... 1 | -      | -      |            | (24 V)                    |
| 25           | 0000 040 561 10   | -             | -      | -      | 0... 1 | 0... 1 |            | (24 V)                    |
| 26           | 0000 504 037 00   | 0... 1        | 0... 1 | 0... 1 | -      | -      |            | 24 V Widerstand, resistor |
| 27           | 0000 503 973 02   | -             | -      | -      | 0... 1 | 0... 1 |            | 24 V Widerstand, resistor |
| 28           | 0000 014 682 02   | 1             | 1      | 1      | -      | -      |            | 12 - 24 V                 |
| 29           | 0000 012 755 00   | -             | -      | -      | 1      | 1      |            | 12 - 24 V                 |
| 30           | 0000 502 686 00   | 1             | 1      | 1      | 1      | 1      |            | TEMP. 12-24V              |
| 31           | 0000 051 624 00   | 1             | 1      | 1      | 1      | 1      |            | 10,4 x 14 x 4             |
| 32           | 0000 502 722 01   | 1             | 1      | 1      | 1      | 1      |            | 12 - 24V Oil              |
| 33           | 0000 014 036 20   | 1             | 1      | 1      | 1      | 1      |            |                           |
| 34           | 0000 014 701 00   | 1             | 1      | -      | 1      | 1      |            | "C"                       |
| 35           | 0000 039 931 00   | 1             | 1      | -      | 1      | 1      |            | "C"                       |
| 36           | 0000 503 737 00   | 1             | 1      | 1      | 1      | 1      |            |                           |
| 37           | 0000 015 743 00   | 1             | 1      | 1      | 1      | 1      |            | (1)                       |
| 38           | 0000 015 744 02   | 1             | 1      | 1      | 1      | 1      |            | (0) 450mm                 |
| 39           | 0000 015 268 00   | 1             | 1      | 1      | 1      | 1      |            | (22) 360mm                |
| 40           | 0000 015 893 00   | 1             | 1      | 1      | 1      | 1      |            | 12 V Powerbox II          |
| 41           | 0000 015 957 00   | 1             | 1      | 1      | 1      | 1      |            | 24 V Powerbox II          |
| 42           | 0000 015 910 00   | 1             | 1      | 1      | 1      | 1      |            | 12 V Powerbox III         |
| 43           | 0000 015 911 00   | 1             | 1      | 1      | 1      | 1      |            | 24 V Powerbox III         |
| 44           | 0000 504 304 00   | 0... 1        | 0... 1 | 0... 1 | 0... 1 | 0... 1 |            | 15 A                      |
| 44           | 0000 504 593 00   | 0... 1        | 0... 1 | 0... 1 | 0... 1 | 0... 1 |            | 10 A                      |

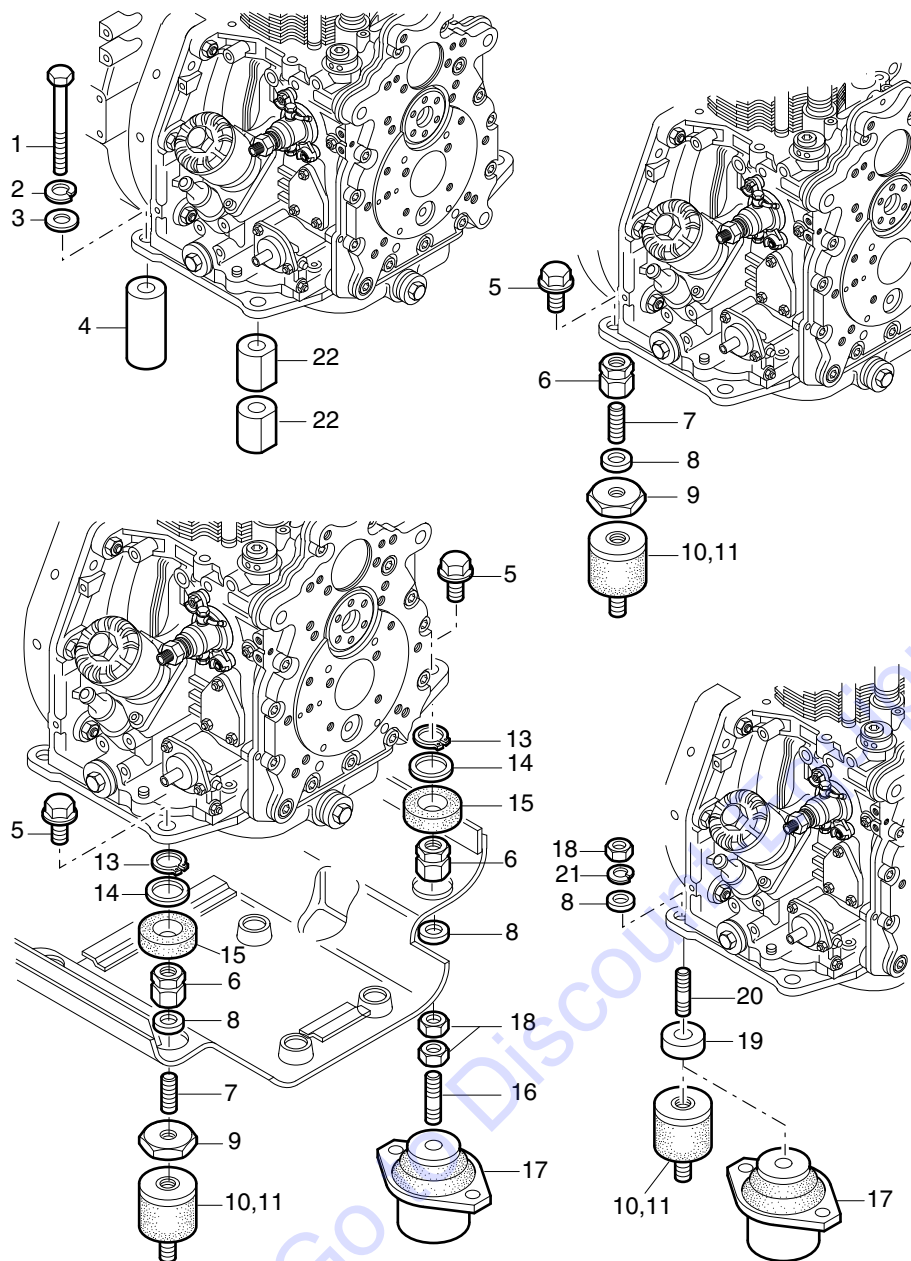
Z05c, Z11

Instrument box - Powerbox  
Armaturenkasten - Powerbox  
Boîtier de bord - Powerbox  
Cuadro de mando - Powerbox  
Cruscotto - Powerbox



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |        |        |        |        | W<br>d / D | Notes<br>Bemerkungen |
|--------------|-------------------|---------------|--------|--------|--------|--------|------------|----------------------|
|              |                   | 1D41          | 1D42   | 1D50   | 1D81   | 1D90   |            |                      |
| 45           | 0000 504 307 00   | 0... 1        | 0... 1 | 0... 1 | 0... 1 | 0... 1 |            | 30 A                 |
| 46           | 0000 504 330 00   | 1... 2        | 1... 2 | 1... 2 | 1... 2 | 1... 2 |            | 40 A                 |
| 47           | 0000 015 518 03   | 1             | 1      | 1      | 1      | 1      |            | 12 V, A 1            |
| 48           | 0000 015 697 03   | 1             | 1      | 1      | 1      | 1      |            | 24 V, A 1            |
| 49           | 0000 015 589 01   | 1             | 1      | 1      | 1      | 1      |            | 12 V / 24 V, Aut.    |
| 50           | 0000 016 112 00   | 1             | 1      | 1      | 1      | 1      |            | K 1 - 2 m            |
| 51           | 0000 015 498 01   | 1             | 1      | 1      | 1      | 1      |            | K 2 - 2 m            |
| 52           | 0000 011 927 10   | 1             | 1      | 1      | 1      | 1      |            | K 3 - 2 m            |
| 53           | 0000 503 743 00   | 1             | 1      | 1      | 1      | 1      |            | 2,5 - 4,0            |
| 54           | 0000 503 741 00   | 5             | 5      | 5      | 5      | 5      |            | 0,5 - 1,0            |
| 55           | 0000 503 737 00   | 1             | 1      | 1      | 1      | 1      |            |                      |
| 56           | 0000 503 736 00   | 1             | 1      | 1      | 1      | 1      |            |                      |
| 57           | 0000 503 738 00   | 5             | 5      | 5      | 5      | 5      |            | 0,5 - 1,0            |
| 58           | 0000 503 739 00   | 1             | 1      | 1      | 1      | 1      |            | 1,5 - 2,5            |
| 59           | 0000 505 995 00   | 1             | 1      | 1      | 1      | 1      |            |                      |
| 60           | 0000 506 009 00   | 1             | 1      | 1      | 1      | 1      |            |                      |
| 61           | 0000 506 008 00   | 2             | 2      | 2      | 2      | 2      |            | Nr. 607              |
| 62           | -----             | -             | -      | -      | -      | -      |            |                      |
| 63           | -----             | -             | -      | -      | -      | -      |            |                      |
| 64           | -----             | -             | -      | -      | -      | -      |            |                      |
| 66           | 0000 052 585 00   | -             | -      | -      | 1      | 1      |            |                      |
| 67           | 0000 011 932 11   | 1             | 1      | 1      | 1      | 1      |            | (4)                  |
| 68           | 0000 015 912 00   | 1             | 1      | 1      | 1      | 1      |            |                      |

Engine brackets  
Motorfüße  
Pieds moteur  
Soportes del motor  
Staffe supporto motore

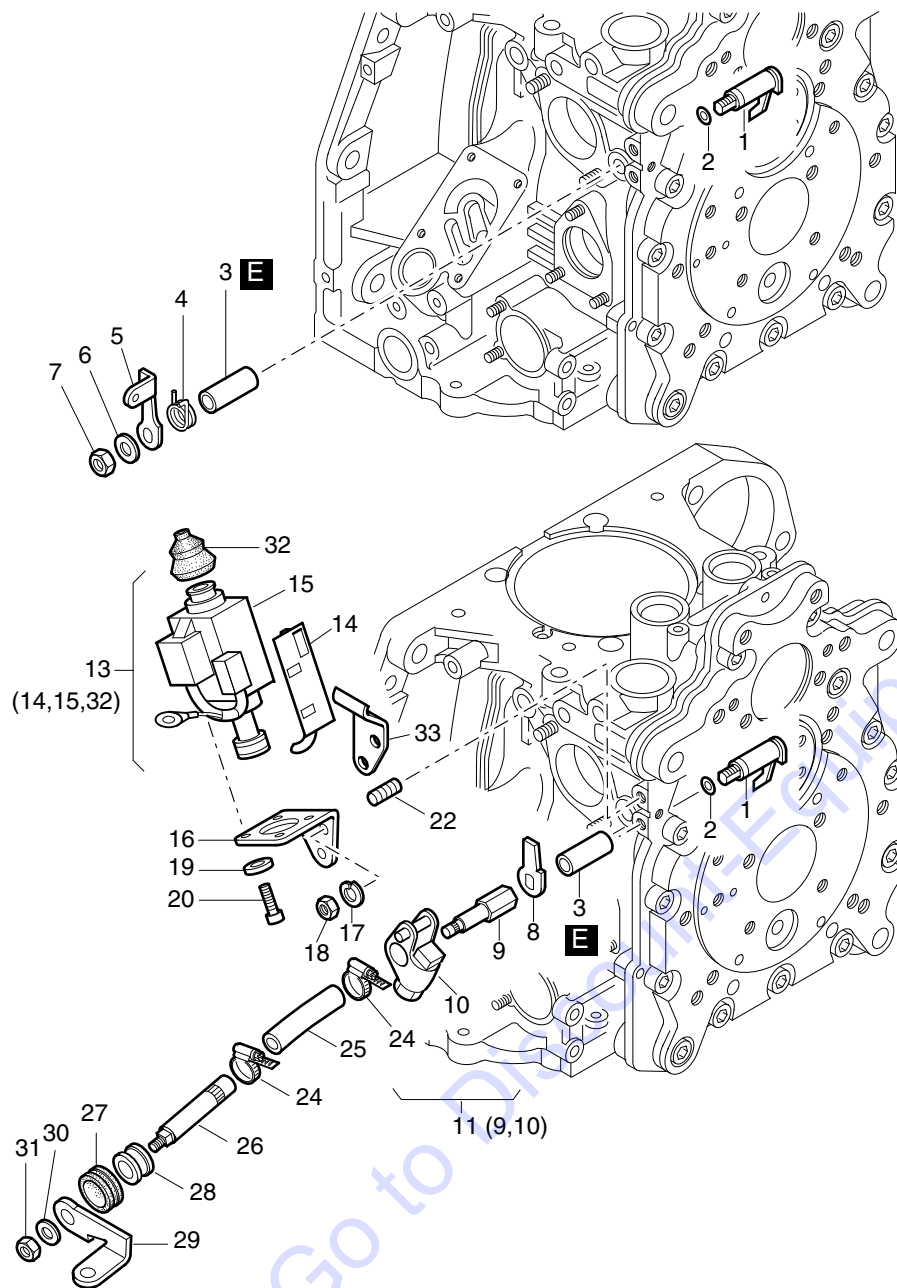


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |        |        |        |        | W<br>d / D | Notes<br>Bemerkungen         |
|--------------|------------------------|---------------|--------|--------|--------|--------|------------|------------------------------|
|              |                        | 1D41          | 1D42   | 1D50   | 1D81   | 1D90   |            |                              |
| 1            | -----                  | -             | -      | -      | -      | -      |            | M 10 x ...DIN 933-           |
| 2            | 0000 <b>500 029 00</b> | 4             | 4      | 4      | 4      | 4      |            | A 10 DIN 128                 |
| 3            | 0000 <b>500 706 00</b> | 4             | 4      | 4      | 4      | 4      |            | 10,5 x 25 x 4 DIN 7349 A3C   |
| 4            | 0000 <b>039 954 00</b> | 3             | 3      | 3      | -      | -      |            | 13 x 36 x 13                 |
| 4            | 0000 <b>050 008 00</b> | 3             | 3      | -      | -      | -      |            | 13 x 36 x 45                 |
| 4            | 0000 <b>051 515 00</b> | -             | -      | 3      | -      | -      |            | 13 x 36 x 52                 |
| 4            | 0000 <b>039 646 10</b> | -             | -      | -      | 3      | 3      |            | 13 x 36 x 74,5               |
| 4            | 0000 <b>051 122 00</b> | -             | -      | -      | 3      | 3      |            | 13 x 36 x 10,5               |
| 5            | 0000 <b>503 866 00</b> | 4             | 4      | 4      | 4      | 4      |            | M 10 x 20 A3C                |
| 6            | 0000 <b>039 937 00</b> | 4             | 4      | 4      | -      | -      |            | M 10 x 27,5                  |
| 6            | 0000 <b>051 178 00</b> | -             | -      | -      | 4      | 4      |            | M 10 x 25                    |
| 7            | 0000 <b>039 935 00</b> | 4             | 4      | 4      | 4      | 4      |            | M 10 x 30                    |
| 8            | 0000 <b>500 706 00</b> | 4             | 4      | 4      | 4      | 4      |            | 10,5 x 25 x 4 DIN 7349 A3C   |
| 9            | 0000 <b>039 934 00</b> | 4             | 4      | 4      | 4      | 4      |            | 10,5 x 55 x 5                |
| 10           | 0000 <b>503 867 00</b> | 4             | 4      | 4      | 4      | 4      |            | 40 Shore                     |
| 11           | 0000 <b>503 868 00</b> | 4             | 4      | 4      | 4      | 4      |            | 55 Shore                     |
| 13           | 0000 <b>500 204 00</b> | 4             | 4      | -      | 4      | 4      |            | A 24 x 1,2 DIN 471           |
| 14           | 0000 <b>035 923 01</b> | 4             | 4      | -      | 4      | 4      |            | 26,1 x 38 x 1                |
| 15           | 0000 <b>037 553 00</b> | 4             | 4      | -      | 4      | 4      |            | 46/16                        |
| 16           | 0000 <b>039 936 02</b> | 4             | 4      | -      | 4      | 4      |            | M 10 x 58                    |
| 17           | 0000 <b>503 236 00</b> | 4             | 4      | 4      | 4      | 4      |            | V 12 / 600                   |
| 18           | 0000 <b>501 458 00</b> | 4             | 4      | 4      | 8      | 8      |            | M 10 DIN 934-8 A3C           |
| 19           | 0000 <b>039 954 00</b> | 2... 4        | 2... 4 | 2... 4 | -      | -      |            | 13 x 36 x 13                 |
| 19           | 0000 <b>051 122 00</b> | -             | -      | -      | 2... 4 | 2... 4 |            | 13 x 36 x 10,5               |
| 20           | 0000 <b>501 248 00</b> | 4             | 4      | 4      | 4      | 4      |            | M 10 x 40 DIN 939            |
| 21           | 0000 <b>501 356 00</b> | 4             | 4      | 4      | 4      | 4      |            | 10 DIN 128 A3C               |
| 22           | 0000 <b>050 203 00</b> | 2             | 2      | 2      | -      | -      |            | f. Höhe 13, f. height 13     |
| 22           | 0000 <b>050 181 00</b> | 2             | 2      | -      | -      | -      |            | f. Höhe 45, f. height 45     |
| 22           | 0000 <b>051 516 00</b> | -             | -      | 2      | -      | -      |            | f. Höhe 52, f. height 52     |
| 22           | 0000 <b>050 180 10</b> | -             | -      | -      | 2      | 2      |            | f. Höhe 74,5 f. height 74.5  |
| 22           | 0000 <b>051 123 00</b> | -             | -      | -      | 2      | 2      |            | f. Höhe 10,5, f. height 10.5 |



# Z09, Z11

Stop device, lifting magnet  
Abstellvorrichtung, Hubmagnet  
Dispositif d'arret, Electro aimant  
Dispos. desconnect., elevador magn.  
Leva stopi, magnete stop

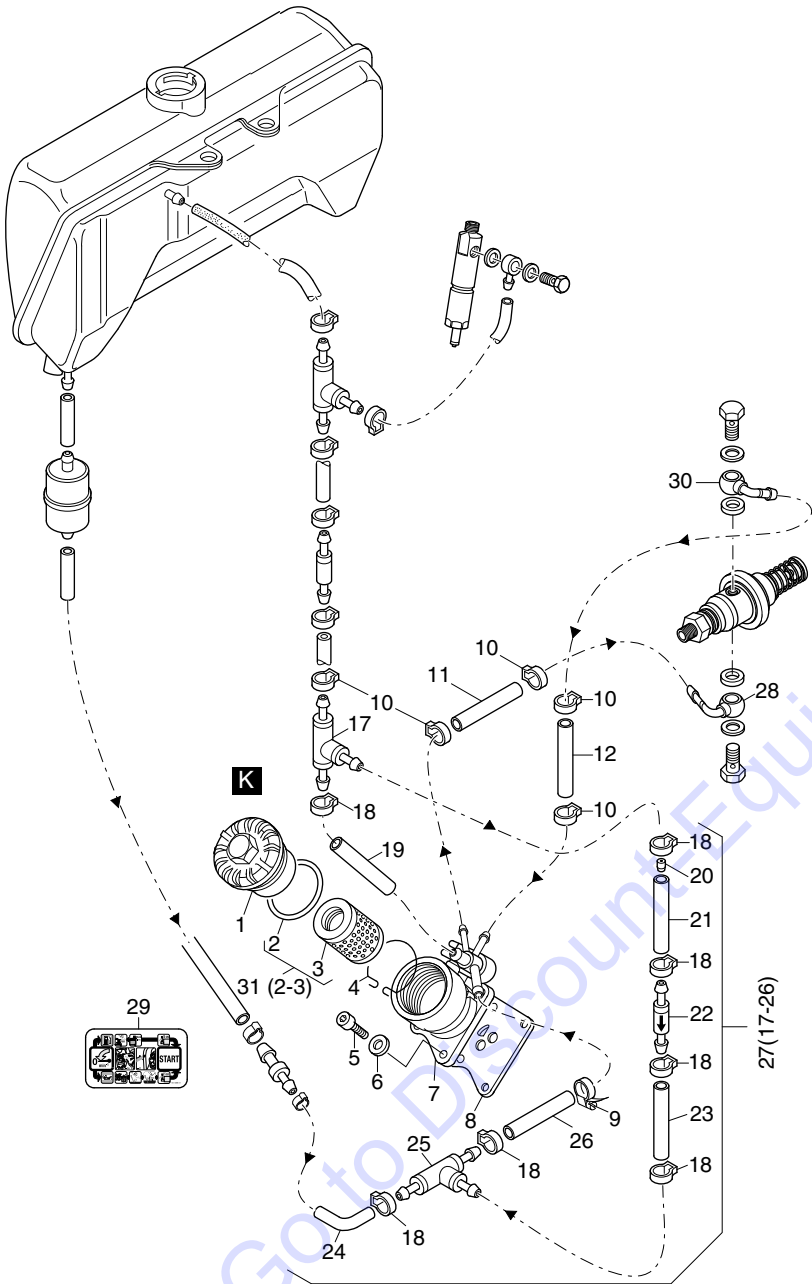


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen      |
|--------------|------------------------|---------------|------|------|------|------|------------|---------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                           |
| 1            | 0000 <b>012 546 04</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 2            | 0000 <b>503 433 00</b> | 1             | 1    | 1    | 1    | 1    |            | 4,6 x 1,85                |
| 3            | 0000 <b>040 214 00</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 4            | 0000 <b>040 218 00</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 5            | 0000 <b>040 217 00</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 6            | 0000 <b>501 445 00</b> | 1             | 1    | 1    | 1    | 1    |            | 6,4 DIN 125-St A3C        |
| 7            | 0000 <b>503 283 00</b> | 1             | 1    | 1    | 1    | 1    |            | VM 6 DIN 980-8 A3C        |
| 8            | 0000 <b>052 092 00</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 9            | -----                  | -             | -    | -    | -    | -    |            |                           |
| 10           | 0000 <b>014 931 11</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 11           | 0000 <b>015 153 00</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 13           | 0000 <b>015 155 00</b> | 1             | 1    | 1    | 1    | 1    |            | 12 V                      |
| 13           | 0000 <b>015 154 00</b> | 1             | 1    | 1    | 1    | 1    |            | 24 V                      |
| 14           | 0000 <b>050 584 00</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 15           | -----                  | -             | -    | -    | -    | -    |            |                           |
| 16           | 0000 <b>050 235 01</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 17           | 0000 <b>501 709 00</b> | 2             | 2    | 2    | 2    | 2    |            | 6 DIN 128 - A3C           |
| 18           | 0000 <b>501 444 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 6 DIN 934 - 8 A3C       |
| 19           | 0000 <b>502 163 00</b> | 3             | 3    | 3    | 3    | 3    |            | 5,3 DIN 125-St A3C        |
| 20           | 0000 <b>501 126 00</b> | 4             | 4    | 4    | 4    | 4    |            | M 5 x 10 DIN 6912-8.8 A3C |
| 22           | 0000 <b>503 668 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 6 x 12 DIN 835-8.8 A3C  |
| 24           | 0000 <b>400 373 00</b> | 2             | 2    | -    | 2    | 2    |            | 7,5 SKZ SGT 8-12 "C"      |
| 25           | 0000 <b>039 990 01</b> | 1             | 1    | -    | 1    | 1    |            | 7 x 70 "C"                |
| 26           | 0000 <b>039 966 00</b> | 1             | 1    | -    | 1    | 1    |            | "C"                       |
| 27           | 0000 <b>035 654 00</b> | 1             | 1    | -    | 1    | 1    |            | "C"                       |
| 28           | 0000 <b>050 692 00</b> | 1             | 1    | -    | 1    | 1    |            | "C"                       |
| 29           | 0000 <b>040 217 00</b> | 1             | 1    | -    | 1    | 1    |            |                           |
| 30           | 0000 <b>501 445 00</b> | 1             | 1    | -    | 1    | 1    |            | 6,4 DIN 125-St A3C        |
| 31           | 0000 <b>503 283 00</b> | 1             | 1    | -    | 1    | 1    |            | VM 6 DIN 980-8 A3C        |
| 32           | 0000 <b>502 489 00</b> | 1             | 1    | 1    | 1    | 1    |            |                           |
| 33           | 0000 <b>052 057 01</b> | 1             | 1    | 1    | 1    | 1    |            |                           |



Z11a

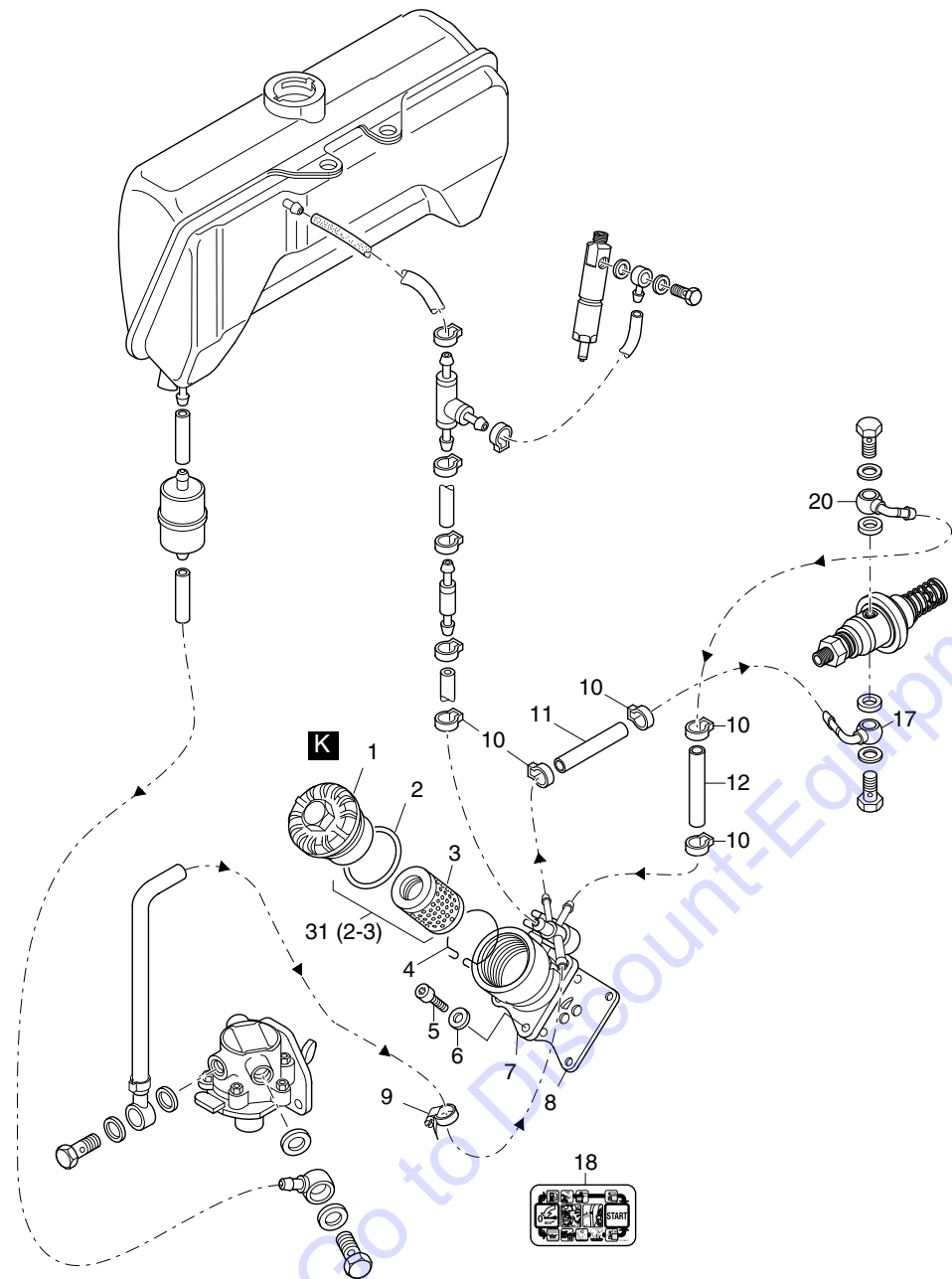
Autom. shut-off device - "S/Z"  
Abschaltautomatik mech. - "S/Z"  
Arret. Autom. moteur - "S/Z"  
Parada autom. motor - "S/Z"  
Arresto automatico motore - "S/Z"



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|---------------|------|------|------|------|------------|-------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                         |
| 1            | 0000 012 489 01   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 2            | 0000 503 292 00   | 1             | 1    | 1    | 1    | 1    |            | 50 x 55 x 3             |
| 3            | -----             | -             | -    | -    | -    | -    |            |                         |
| 4            | 0000 040 840 01   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 5            | 0000 501 706 00   | 4             | 4    | 4    | 4    | 4    |            | M 6 x 20 DIN 912-8.8A3C |
| 6            | 0000 500 812 00   | 4             | 4    | 4    | 4    | 4    |            | A 6 DIN 137 - A3C       |
| 7            | 0000 014 528 21   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 8            | 0000 050 689 00   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 9            | 0000 503 572 00   | 1             | 1    | 1    | 1    | 1    |            | 7 - 11 SX5 SW4          |
| 10           | 0000 505 709 00   | 5             | 5    | 5    | 5    | 5    |            | 12,8                    |
| 11           | 0000 053 640 00   | 1             | 1    | 1    | 1    | 1    |            | 6 x 12 x 200            |
| 12           | 0000 053 223 00   | 1             | 1    | 1    | 1    | 1    |            | 4,5 x 110               |
| 17           | 0000 053 090 00   | 1             | 1    | 1    | 1    | 1    |            | NW 3                    |
| 18           | 0000 505 709 00   | 7             | 7    | 7    | 7    | 7    |            | 12,8                    |
| 19           | 0000 053 160 00   | 1             | 1    | 1    | 1    | 1    |            | 4,5 x 30                |
| 20           | 0000 053 057 00   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 21           | 0000 053 437 00   | 1             | 1    | 1    | 1    | 1    |            | 5,3 x 50                |
| 22           | 0000 018 650 00   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 23           | 0000 053 159 00   | 1             | 1    | 1    | 1    | 1    |            | 4,5 x 80                |
| 24           | 0000 053 162 00   | 1             | 1    | 1    | 1    | 1    |            | 4,5 x 35                |
| 25           | 0000 052 424 00   | 1             | 1    | 1    | 1    | 1    |            | NW 3                    |
| 26           | 0000 053 161 00   | 1             | 1    | 1    | 1    | 1    |            | 4,5 x 50                |
| 27           | 0000 018 787 01   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 28           | 0000 053 056 00   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 29           | 0000 051 268 02   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 30           | 0000 052 997 01   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 31           | 0000 014 800 01   | 1             | 1    | 1    | 1    | 1    |            |                         |

Z11b

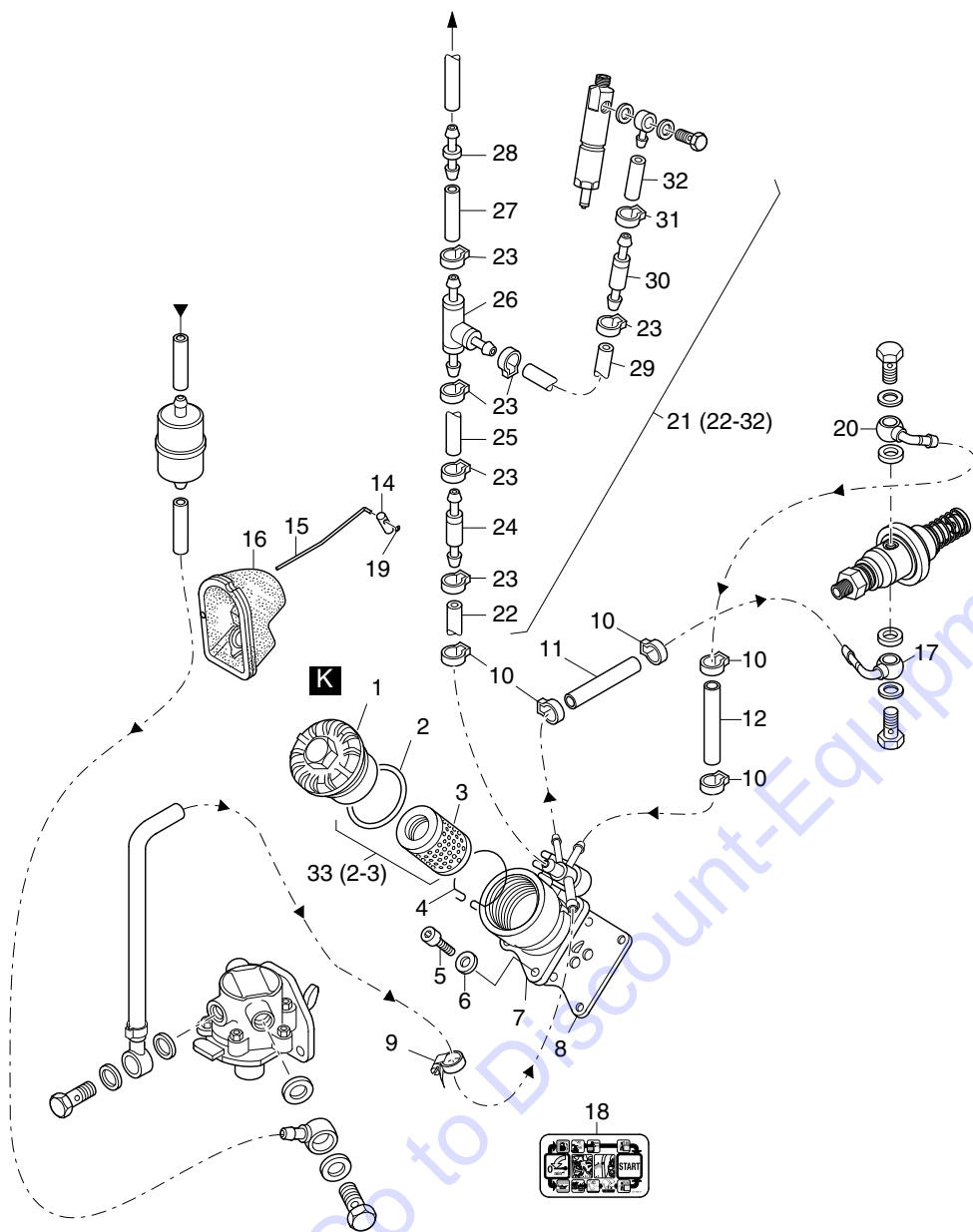
Autom. shut-off device - with fuel feed pump - "S/Z"  
Abschaltautomatik mech. - mit Kraftstoffförderpumpe - "S/Z"  
Arret. Autom. moteur - avec pompe d'alimentation - "S/Z"  
Parada autom. motor - con bomba de alimentación - "S/Z"  
Arresto automatico motore - con pompa a. c. - "S/Z"



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|-------------------|---------------|------|------|------|------|------------|-------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                         |
| 1            | 0000 012 489 01   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 2            | 0000 503 292 00   | 1             | 1    | 1    | 1    | 1    |            | 50 x 55 x 3             |
| 3            | -----             | -             | -    | -    | -    | -    |            |                         |
| 4            | 0000 040 840 01   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 5            | 0000 501 706 00   | 4             | 4    | 4    | 4    | 4    |            | M 6 x 20 DIN 912-8.8A3C |
| 6            | 0000 500 812 00   | 4             | 4    | 4    | 4    | 4    |            | A 6 DIN 137 - A3C       |
| 7            | 0000 014 528 21   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 8            | 0000 050 689 00   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 9            | 0000 503 572 00   | 1             | 1    | 1    | 1    | 1    |            | 7 - 11 SX5 SW4          |
| 10           | 0000 505 709 00   | 5             | 5    | 5    | 5    | 5    |            | 12,8                    |
| 11           | 0000 053 640 00   | 1             | 1    | 1    | 1    | 1    |            | 6 x 12 x 200            |
| 12           | 0000 053 223 00   | 1             | 1    | 1    | 1    | 1    |            | 4,5 x 110               |
| 17           | 0000 053 056 00   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 18           | 0000 051 268 02   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 20           | 0000 052 997 01   | 1             | 1    | 1    | 1    | 1    |            |                         |
| 31           | 0000 014 800 01   | 1             | 1    | 1    | 1    | 1    |            |                         |

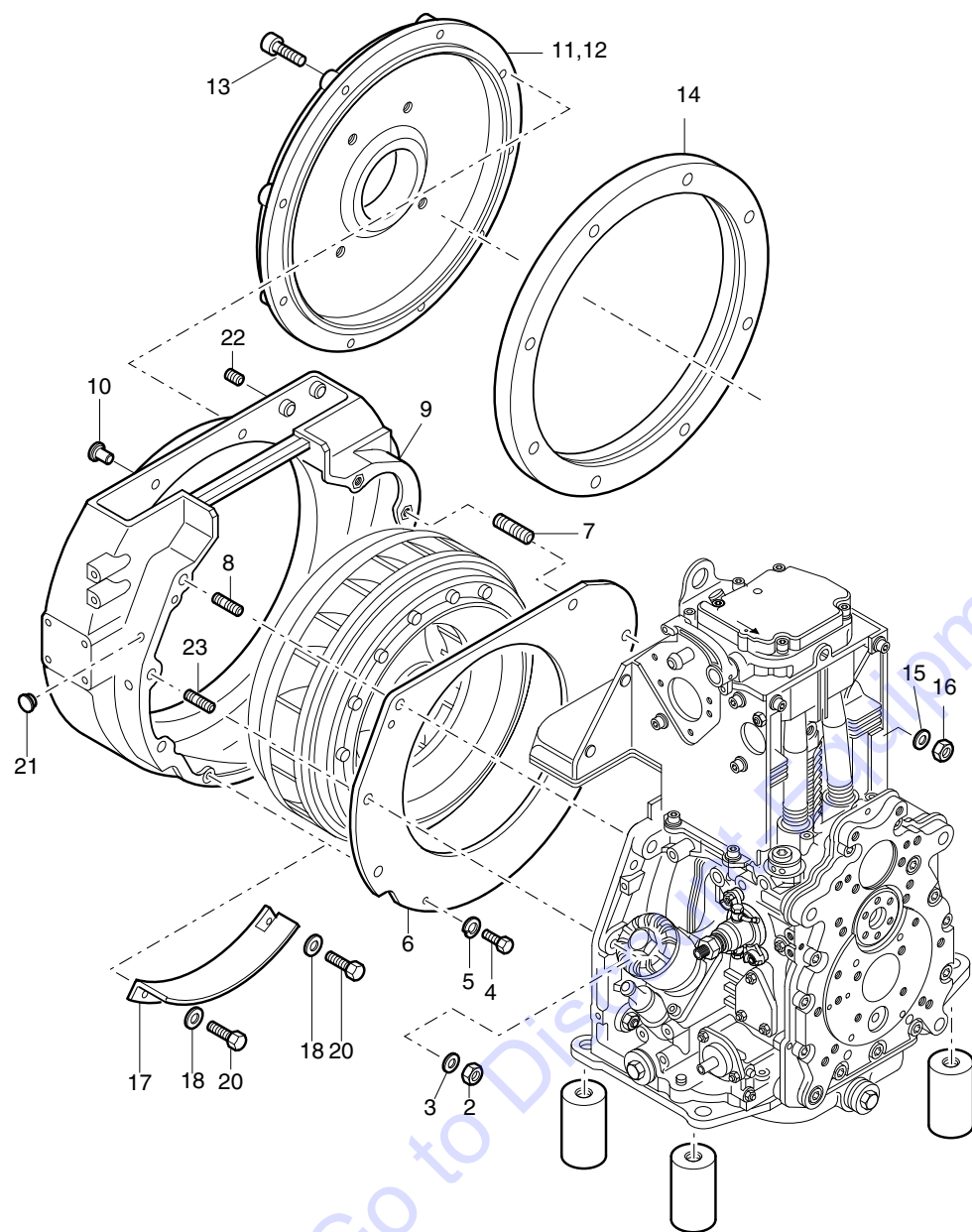
# Z11c

Autom. shut-off device - with fuel feed pump - "C"  
 Abschaltautomatik mech. - mit Kraftstoffförderpumpe - "C"  
 Arrêt. Autom. moteur - avec pompe d'alimentation - "C"  
 Parada autom. motor - con bomba de alimentación - "C"  
 Arresto automatico motore - con pompa a. c. - "C"



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |       |       |       | W<br>d / D | Notes<br>Bemerkungen    |
|--------------|------------------------|---------------|-------|-------|-------|------------|-------------------------|
|              |                        | 1D41C         | 1D42C | 1D81C | 1D90C |            |                         |
| 1            | 0000 <b>012 489 01</b> | 1             | 1     | 1     | 1     |            |                         |
| 2            | 0000 <b>503 292 00</b> | 1             | 1     | 1     | 1     |            | 50 x 55 x 3             |
| 3            | -----                  | -             | -     | -     | -     |            |                         |
| 4            | 0000 <b>040 840 01</b> | 1             | 1     | 1     | 1     |            |                         |
| 5            | 0000 <b>501 706 00</b> | 4             | 4     | 4     | 4     |            | M 6 x 20 DIN 912-8.8A3C |
| 6            | 0000 <b>500 812 00</b> | 4             | 4     | 4     | 4     |            | A 6 DIN 137 - A3C       |
| 7            | 0000 <b>014 528 21</b> | 1             | 1     | 1     | 1     |            |                         |
| 8            | 0000 <b>050 689 00</b> | 1             | 1     | 1     | 1     |            |                         |
| 9            | 0000 <b>503 572 00</b> | 1             | 1     | 1     | 1     |            | 7 - 11 SX5 SW4          |
| 10           | 0000 <b>505 709 00</b> | 5             | 5     | 5     | 5     |            | 12,8                    |
| 11           | 0000 <b>053 640 00</b> | 1             | 1     | 1     | 1     |            | 6 x 12 x 200            |
| 12           | 0000 <b>053 603 00</b> | 1             | 1     | 1     | 1     |            | 6 x 65                  |
| 14           | 0000 <b>050 147 01</b> | 1             | 1     | 1     | 1     |            | "C"                     |
| 15           | 0000 <b>050 148 11</b> | 1             | 1     | 1     | 1     |            | "C"                     |
| 16           | 0000 <b>050 268 01</b> | 1             | 1     | -     | -     |            | "C"                     |
| 16           | 0000 <b>050 146 01</b> | -             | -     | 1     | 1     |            | "C"                     |
| 17           | 0000 <b>053 056 00</b> | 1             | 1     | 1     | 1     |            |                         |
| 18           | 0000 <b>051 268 02</b> | 1             | 1     | 1     | 1     |            |                         |
| 19           | 0000 <b>504 147 01</b> | 1             | 1     | 1     | 1     |            |                         |
| 20           | 0000 <b>052 997 01</b> | 1             | 1     | -     | -     |            |                         |
| 20           | 0000 <b>053 601 00</b> | -             | -     | 1     | 1     |            | "C"                     |
| 21           | 0000 <b>014 769 10</b> | 1             | 1     | -     | -     |            |                         |
| 21           | 0000 <b>012 869 13</b> | -             | -     | 1     | 1     |            |                         |
| 22           | 0000 <b>053 180 00</b> | 1             | 1     | -     | -     |            | 4,5 x 100 mm            |
| 22           | 0000 <b>053 849 00</b> | -             | -     | 1     | 1     |            | 6 x 12 x 75             |
| 23           | 0000 <b>505 709 00</b> | 6             | 6     | 6     | 6     |            | 12,8                    |
| 24           | 0000 <b>008 055 02</b> | 1             | 1     | 1     | 1     |            |                         |
| 25           | 0000 <b>053 846 00</b> | 1             | 1     | 1     | 1     |            | 6 x 55                  |
| 26           | 0000 <b>052 424 00</b> | 1             | 1     | 1     | 1     |            | NW 3                    |
| 27           | 0000 <b>040 897 10</b> | 1             | 1     | -     | -     |            | 5 x 510 mm              |
| 27           | 0000 <b>053 104 00</b> | -             | -     | 1     | 1     |            | 5 x 875 mm              |
| 28           | 0000 <b>502 796 00</b> | 1             | 1     | 1     | 1     |            |                         |
| 29           | 0000 <b>053 181 00</b> | 1             | 1     | -     | -     |            | 5 x 60 mm               |
| 29           | 0000 <b>053 318 00</b> | -             | -     | 1     | 1     |            | 5 x 85 mm               |
| 30           | 0000 <b>053 012 00</b> | 1             | 1     | 1     | 1     |            |                         |
| 31           | 0000 <b>503 998 01</b> | 1             | 1     | 1     | 1     |            | 11,3                    |
| 32           | 0000 <b>053 182 00</b> | 1             | 1     | -     | -     |            | 3,5 x 205 mm            |
| 32           | 0000 <b>053 319 00</b> | -             | -     | 1     | 1     |            | 3,5 x 275 mm            |
| 33           | 0000 <b>014 800 01</b> | 1             | 1     | 1     | 1     |            |                         |

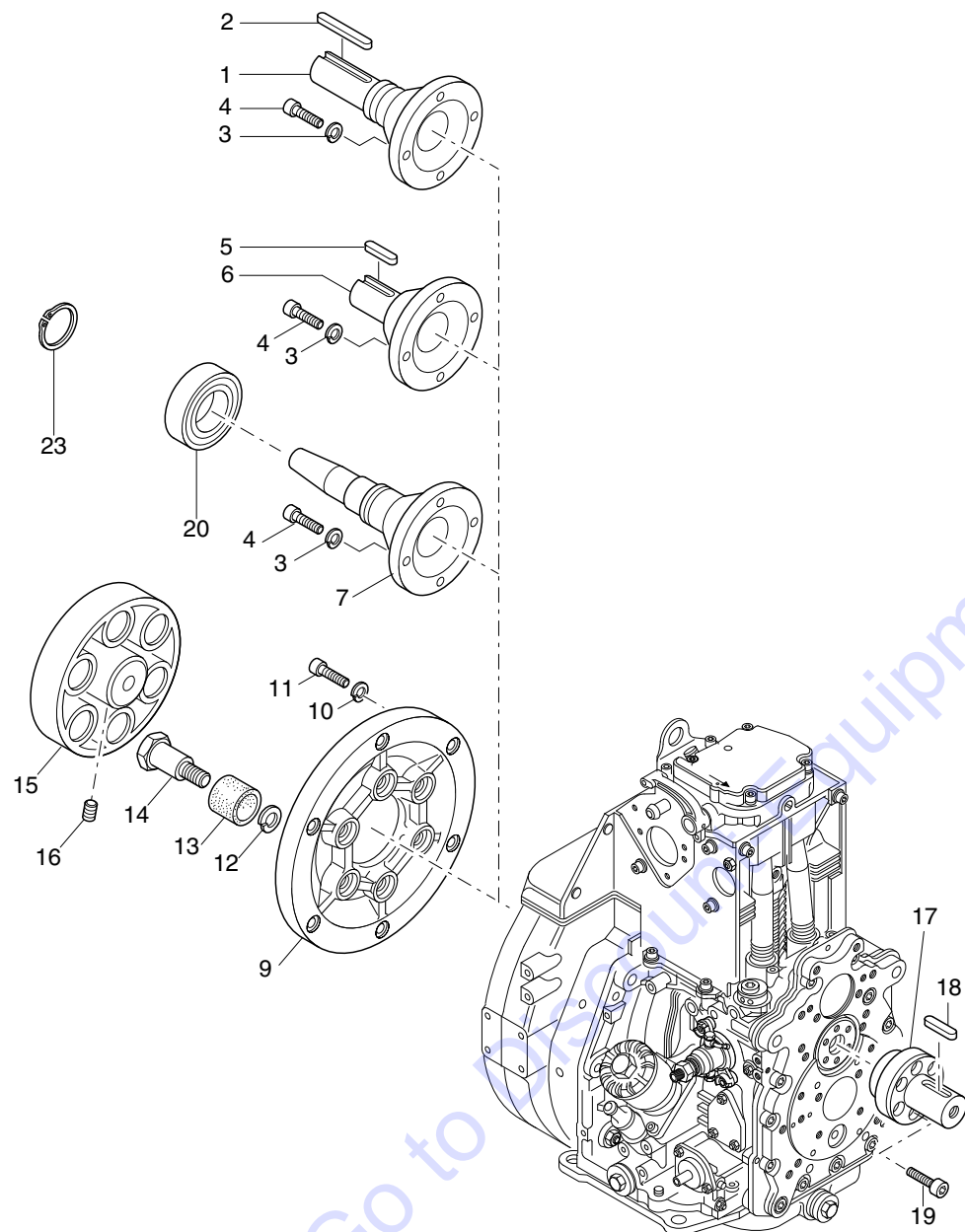
Intermediate housing  
Anschlußgehäuse  
Bride raccord  
Caja de conexión  
Flange accoppiamento



| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|------------------------|---------------|------|------|------|------|------------|-----------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                             |
| 2            | 0000 <b>501 458 00</b> | 4             | 4    | 4    | -    | -    |            | M 10 DIN 934-8 A3C          |
| 2            | 0000 <b>500 936 00</b> | -             | -    | -    | 4    | 4    |            | M12 DIN 934-8 A3C           |
| 3            | 0000 <b>501 459 00</b> | 4             | 4    | 4    | -    | -    |            | 10,5 DIN 125-St A3C         |
| 3            | 0000 <b>500 937 00</b> | -             | -    | -    | 4    | 4    |            | 13 DIN 125-St A3C           |
| 4            | 0000 <b>501 771 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 6 x 16 DIN 933-8.8 A3C    |
| 5            | 0000 <b>501 709 00</b> | 2             | 2    | 2    | 2    | 2    |            | 6 DIN 128 - A3C             |
| 6            | 0000 <b>040 311 00</b> | 1             | 1    | -    | -    | -    |            | s.Grp Z05a Pos 18           |
| 6            | 0000 <b>041 365 01</b> | -             | -    | 1    | -    | -    |            | s.Grp Z05a Pos 18           |
| 6            | 0000 <b>040 085 00</b> | -             | -    | -    | 1    | 1    |            | s.Grp Z05a Pos 18           |
| 7            | 0000 <b>504 750 00</b> | 2             | 2    | 2    | 2    | 2    |            | M 12 x 40 DIN 835-8.8 A3C   |
| 8            | 0000 <b>500 409 00</b> | 3             | 3    | 3    | -    | -    |            | M 10 x 35 DIN 835 - 8.8     |
| 8            | 0000 <b>504 749 00</b> | -             | -    | -    | 4    | 4    |            | M 12 x 35 DIN 835-8.8 A3B   |
| 9            | 0000 <b>016 889 00</b> | 1             | 1    | -    | -    | -    |            | SAE 6                       |
| 9            | 0000 <b>016 890 00</b> | -             | -    | 1    | -    | -    |            | SAE 5                       |
| 9            | 0000 <b>016 891 00</b> | -             | -    | -    | 1    | 1    |            | SAE 5                       |
| 10           | 0000 <b>504 216 00</b> | 8             | 8    | 8    | 8    | 8    |            | 12                          |
| 11           | 0000 <b>039 761 00</b> | 1             | 1    | -    | -    | -    |            | SAE "B" Ø 146,1             |
| 11           | 0000 <b>039 534 03</b> | -             | -    | 1    | 1    | 1    |            |                             |
| 12           | 0000 <b>039 535 03</b> | -             | -    | 1    | 1    | 1    |            |                             |
| 13           | 0000 <b>500 552 00</b> | 8             | 8    | -    | -    | -    |            | M 10 x 60 DIN 912-8.8A3C    |
| 13           | 0000 <b>500 547 00</b> | -             | -    | 8    | 8    | 8    |            | M 10 x 45 DIN 912-8.8A3C    |
| 14           | 0000 <b>039 544 02</b> | -             | -    | 1    | 1    | 1    |            | SAE 5                       |
| 15           | 0000 <b>500 937 00</b> | 2             | 2    | 2    | 2    | 2    |            | 13 DIN 125-St A3C           |
| 16           | 0000 <b>500 936 00</b> | 2             | 2    | 2    | 2    | 2    |            | M12 DIN 934-8 A3C           |
| 17           | 0000 <b>040 211 00</b> | -             | -    | -    | 1    | 1    |            | s.Grp Z05a Pos 17           |
| 18           | 0000 <b>501 445 00</b> | -             | -    | -    | 2    | 2    |            | 6,4 DIN 125-St A3C          |
| 20           | 0000 <b>501 771 00</b> | -             | -    | -    | 2    | 2    |            | M 6 x 16 DIN 933-8.8 A3C    |
| 21           | 0000 <b>505 458 00</b> | 2             | 2    | 2    | 2    | 2    |            | 10,5                        |
| 22           | 0000 <b>502 260 00</b> | 2             | 2    | 4    | 4    | 4    |            | M 8 x 6 DIN 913-45H TU.FLEC |
| 23           | 0000 <b>500 412 00</b> | 1             | 1    | 1    | -    | -    |            | M 10 x 45 DIN 835 - 8.8     |

# Z16a

Stubshaft, flexible coupling  
Wellenstummel, elastische Kupplung  
Bout de arbre, accouplement elastic  
Eje, acoplamiento elastico  
Contralbero, giunto elastico

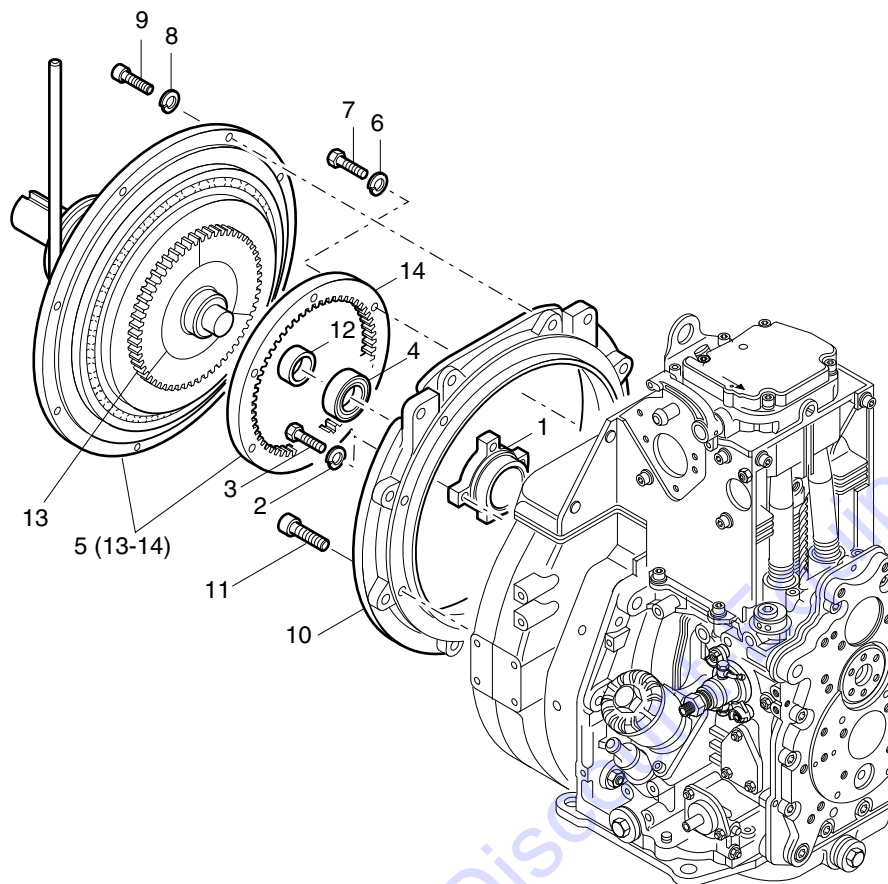


| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|------------------------|---------------|------|------|------|------|------------|--------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                          |
| 1            | 0000 <b>039 520 01</b> | 1             | 1    | 1    | 1    | 1    |            | 2 ø 1"                   |
| 2            | 0000 <b>039 627 00</b> | 1             | 1    | 1    | 1    | 1    |            | A 6,35 x 63              |
| 3            | 0000 <b>502 085 00</b> | 4             | 4    | 4    | 4    | 4    |            | 8 DIN 128 A3C            |
| 4            | 0000 <b>501 715 00</b> | 4             | 4    | 4    | 4    | 4    |            | M 8 x 25 DIN 912-8.8A3C  |
| 5            | 0000 <b>500 115 00</b> | 1             | 1    | 1    | 1    | 1    |            | A 8 x 7 x 35 DIN 6885    |
| 6            | 0000 <b>039 543 00</b> | 1             | 1    | 1    | 1    | 1    |            | 2 ø 30 mm                |
| 7            | 0000 <b>039 532 01</b> | 1             | 1    | 1    | 1    | 1    |            | 4 (1'') keg., con.       |
| 9            | 0000 <b>039 517 00</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 10           | 0000 <b>502 085 00</b> | 6             | 6    | 6    | 6    | 6    |            | 8 DIN 128 A3C            |
| 11           | 0000 <b>503 663 00</b> | 6             | 6    | 6    | 6    | 6    |            | M 8 x 20 DIN 912-8.8A3C  |
| 12           | 0000 <b>500 616 01</b> | 6             | 6    | 6    | 6    | 6    |            | VHZ 12                   |
| 13           | 0000 <b>031 510 00</b> | 6             | 6    | 6    | 6    | 6    |            |                          |
| 14           | 0000 <b>030 469 00</b> | 6             | 6    | 6    | 6    | 6    |            |                          |
| 15           | 0000 <b>030 046 02</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 16           | 0000 <b>500 046 00</b> | 1             | 1    | 1    | 1    | 1    |            | M 8 x 16 A3C DIN 916-45H |
| 17           | 0000 <b>050 074 00</b> | 1             | 1    | 1    | 1    | 1    |            | 25 x 65                  |
| 18           | 0000 <b>500 115 00</b> | 1             | 1    | 1    | 1    | 1    |            | A 8 x 7 x 35 DIN 6885    |
| 19           | 0000 <b>501 707 00</b> | 6             | 6    | 6    | 6    | 6    |            | M 6 x 16 DIN 912-8.8A3C  |
| 20           | 0000 <b>504 798 00</b> | 1             | 1    | 1    | 1    | 1    |            | EC 6307 LLu C3/2A        |
| 23           | 0000 <b>500 211 00</b> | 1             | 1    | 1    | 1    | 1    |            | A 35 x 1,5 DIN 471       |



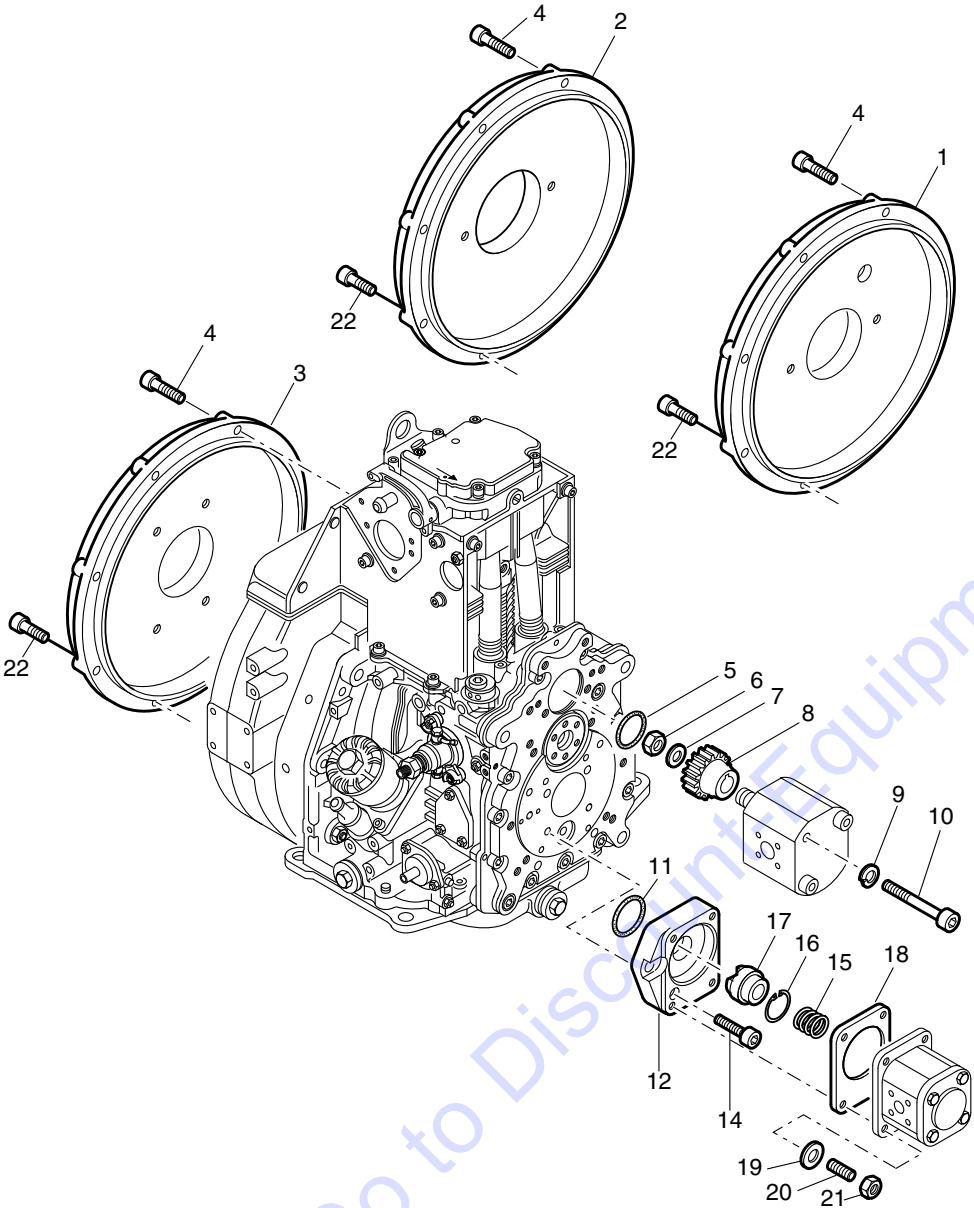
# Z16b

Clutch perm. disconn.  
Kupplung dauerausrückbar  
Embrayage debr. continu.  
Embrague permanente  
Frizione



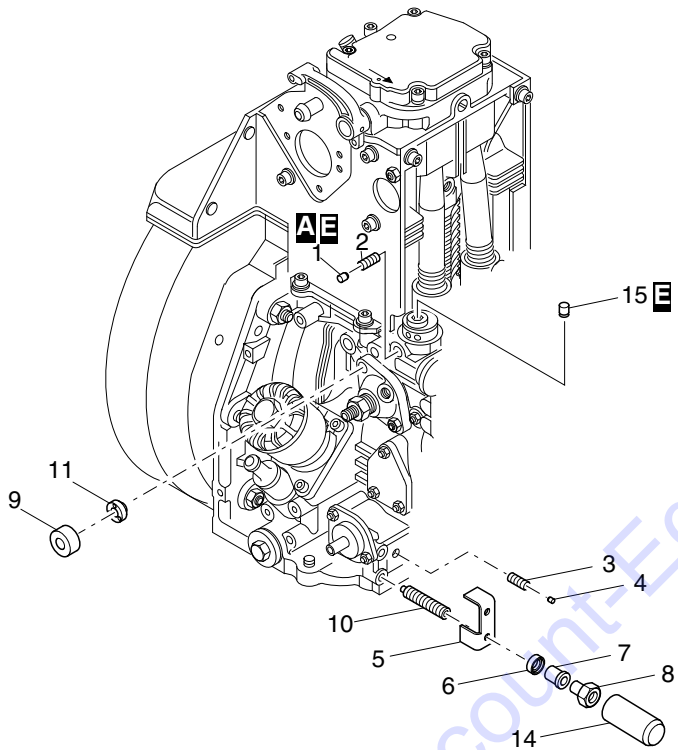
| Fig.-<br>No. | HATZ<br>Ident-No.      | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|------------------------|---------------|------|------|------|------|------------|--------------------------|
|              |                        | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                          |
| 1            | 0000 <b>039 612 00</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 2            | 0000 <b>500 028 00</b> | 4             | 4    | 4    | 4    | 4    |            | 8 DIN 128                |
| 3            | 0000 <b>500 268 00</b> | 4             | 4    | 4    | 4    | 4    |            | M 8 x 20 DIN 933-8.8     |
| 4            | 0000 <b>500 141 00</b> | 1             | 1    | 1    | 1    | 1    |            | DIN 625 6205 2RS         |
| 5            | 0000 <b>503 493 00</b> | 1             | 1    | 1    | 1    | 1    |            | BD 110/15                |
| 6            | 0000 <b>500 028 00</b> | 6             | 6    | 6    | 6    | 6    |            | 8 DIN 128                |
| 7            | 0000 <b>500 270 00</b> | 6             | 6    | 6    | 6    | 6    |            | M 8 x 25 DIN 933 - 8.8   |
| 8            | 0000 <b>501 356 00</b> | 8             | 8    | 8    | 8    | 8    |            | 10 DIN 128 A3C           |
| 9            | 0000 <b>500 934 00</b> | 8             | 8    | -    | -    | -    |            | M 10 x 30 DIN 912-8.8A3C |
| 9            | 0000 <b>500 552 00</b> | -             | -    | 8    | 8    | 8    |            | M 10 x 60 DIN 912-8.8A3C |
| 10           | 0000 <b>039 812 00</b> | 1             | 1    | -    | -    | -    |            | SAE 5                    |
| 11           | 0000 <b>503 278 00</b> | 8             | 8    | -    | -    | -    |            | M 10 x 35 DIN 912-8.8A3C |
| 12           | 0000 <b>050 199 00</b> | 1             | 1    | 1    | 1    | 1    |            | 25 x 35 x 8              |
| 13           | 0000 <b>490 658 00</b> | 1             | 1    | 1    | 1    | 1    |            |                          |
| 14           | 0000 <b>490 703 00</b> | 1             | 1    | 1    | 1    | 1    |            |                          |

Mount. parts hydr. pump  
Anbauteile Hydraulikpumpe  
Pièces mont. -pompe hydr.  
Piezas mont. bomba hidr.  
Particolari per montaggio pompa idraulica



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      |      | W<br>d / D | Notes<br>Bemerkungen        |
|--------------|-------------------|---------------|------|------|------|------|------------|-----------------------------|
|              |                   | 1D41          | 1D42 | 1D50 | 1D81 | 1D90 |            |                             |
| 1            | 0000 039 763 02   | 1             | 1    | -    | -    | -    |            | SAE "A" 82,55               |
| 1            | 0000 039 538 03   | -             | -    | 1    | 1    | 1    |            | SAE "A" 82,55               |
| 2            | 0000 039 762 01   | 1             | 1    | -    | -    | -    |            | SAE "B" 101,6               |
| 2            | 0000 039 536 04   | -             | -    | 1    | 1    | 1    |            | SAE "B" 101,6               |
| 3            | 0000 039 767 01   | 1             | 1    | -    | -    | -    |            | BOSCH 80                    |
| 3            | 0000 039 539 03   | -             | -    | 1    | 1    | 1    |            | BOSCH 80                    |
| 4            | 0000 500 552 00   | 8             | 8    | -    | -    | -    |            | M 10 x 60 DIN 912-8.8A3C    |
| 4            | 0000 500 547 00   | -             | -    | 6    | 6    | 6    |            | M 10 x 45 DIN 912-8.8A3C    |
| 5            | 0000 400 237 00   | -             | -    | -    | 1    | 1    |            | 45 x 2                      |
| 6            | 0000 503 814 00   | -             | -    | -    | 1    | 1    |            | M 12 x 1,5 DIN 936 - 17H    |
| 7            | 0000 500 030 00   | -             | -    | -    | 1    | 1    |            | 12 DIN 128                  |
| 8            | 0000 040 220 00   | -             | -    | -    | 1    | 1    |            |                             |
| 9            | -----             | -             | -    | -    | -    | -    |            |                             |
| 10           | -----             | -             | -    | -    | -    | -    |            |                             |
| 11           | 0000 503 753 00   | 1             | 1    | 1    | 1    | 1    |            | 46 x 2,5                    |
| 12           | 0000 040 360 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 14           | 0000 503 979 00   | 4             | 4    | 4    | 4    | 4    |            | M 10x22 DIN 912-8.8 A3C TUF |
| 15           | 0000 040 362 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 16           | 0000 500 197 00   | 1             | 1    | 1    | 1    | 1    |            | J 14 x 1 DIN 472            |
| 17           | 0000 040 359 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 18           | 0000 035 680 00   | 1             | 1    | 1    | 1    | 1    |            |                             |
| 19           | 0000 500 951 00   | 4             | 4    | 4    | 4    | 4    |            | A 8 DIN 137 A3C             |
| 20           | 0000 500 378 00   | 4             | 4    | 4    | 4    | 4    |            | M 8 x 22 DIN 835-10.9       |
| 21           | 0000 501 480 00   | 4             | 4    | 4    | 4    | 4    |            | M 8 DIN 934-8 A3C           |
| 22           | 0000 500 543 00   | -             | -    | 2    | 2    | 2    |            | M 10 x 30 DIN 6912-8.8      |

Spec. equipment EPA  
Motorausrüstung EPA  
Equipm. spec. EPA  
Equipo espec. EPA  
Kit trasformazione EPA



| Fig.-<br>No. | HATZ<br>Ident-No. | Qty.<br>Stück |      |      |      | W<br>d / D | Notes<br>Bemerkungen     |
|--------------|-------------------|---------------|------|------|------|------------|--------------------------|
|              |                   | 1D42          | 1D50 | 1D81 | 1D90 |            |                          |
| 1            | 0000 041 670 10   | 1             | 1    | 1    | 1    |            | 6,9                      |
| 2            | 0000 500 046 00   | 1             | 1    | 1    | 1    |            | M 8 x 16 A3C DIN 916-45H |
| 3            | 0000 504 035 00   | 1             | 1    | 1    | 1    |            | M 8 x 20 DIN 914TUF360G  |
| 4            | 0000 041 537 00   | 1             | 1    | 1    | 1    |            | 4,15                     |
| 5            | 0000 041 538 00   | 1             | 1    | 1    | 1    |            |                          |
| 6            | 0000 041 342 00   | 1             | 1    | 1    | 1    |            |                          |
| 7            | 0000 041 297 00   | 1             | 1    | 1    | 1    |            |                          |
| 8            | 0000 041 267 00   | 1             | 1    | 1    | 1    |            | M6                       |
| 9            | 0000 042 445 00   | 2             | 2    | 2    | 2    |            |                          |
| 10           | 0000 505 078 00   | 2             | 2    | 2    | 2    |            | M 6 x 45                 |
| 11           | 0000 042 392 00   | 2             | 2    | 2    | 2    |            |                          |
| 14           | 0000 041 877 00   | 1             | 1    | 1    | 1    |            |                          |
| 15           | 0000 042 059 01   | 1             | 1    | 1    | 1    |            |                          |

|      |                |                                   |                                      |                                    |
|------|----------------|-----------------------------------|--------------------------------------|------------------------------------|
| A    | Austria        | 2320 Schwechat - Rannersdorf      | Josef Hofmann GmbH.                  | +43 - 1 - 7 07 06 08               |
| A    | Austria        | 4600 Wels                         | Motor Center Austria GmbH            | +43 - 7242 - 4 71 61-0             |
| A    | Austria        | 5020 Salzburg                     | Ing. R. Schneider                    | +43 - 662 - 87 23 54               |
| A    | Austria        | 6065 Thaur                        | Romed Müssigang                      | +43 - 5223 - 49 28 34              |
| A    | Austria        | 6830 Rankweil                     | Ländletechnik Schäfer GmbH           | +43 - 5522 - 4 50 60               |
| A    | Austria        | 8073 Feldkirchen                  | Langbauer - Motoren e.U.             | +43 - 316 - 71 15 95               |
| A    | Austria        | 9170 Ferlach                      | Johann Koslitsch                     | +43 - 4227 - 59 33                 |
| AN   | Angola         | Luanda                            | Organizacoes JLM Lda.                | +244 912 500 328                   |
| AUS  | Australia      | 2164 Smithfield NSW               | HATZ Australia Pty. Ltd.             | +61 - 2 - 8788 7999                |
| AZ   |                | 1029 BAKU                         | AS TEXNIKA LLC                       | +99412 418 0106 562                |
| B    | Belgium        | 3090 OVERIJSE                     | BIA GROUP NV/SA                      | +32(0)2 689 28 11                  |
| BF   | Burkina Faso   | Ouagadougou 01                    | Impex Afrique                        | +226 - 50 43 37 37                 |
| BG   | Bulgaria       | 1715 Sofia                        | ENERGIA-MARVAKOV                     | +359 - 29 62 14 95                 |
| BHT  | Bhutan         | Gongkhar Bumthang                 | Jigme Norbu Enterprise               | +975 - 3 - 63 11 81 or 63 11 70    |
| BR   | Brazil         | 09220-790 SANTO ANDRE - SAO PAULO | DAIFORCE COM DE MAQ. E MOTORES       |                                    |
| LTDA |                | +55 11 4461 4979                  |                                      |                                    |
| BRN  | Bahrain        | 646 Nuwaidrat                     | Gulf Equipment & Technology (G.E.T.) | +973 - 170 00 08                   |
| BY   | Belarus        | 223021 Minsk region               | Fomar Ltd.                           | +375 - 17 - 507 68 20              |
| CAM  | Cameroon       | DOUALA                            | EMEI DIESEL Sarl                     | 00237 33 42 87 51                  |
| CDN  | Canada         | WI 53187-0258 Waukesha            | HATZ Diesel of America, Inc.         | +1 - 262 - 5 44 02 54              |
| CH   | Switzerland    | 8852 Altendorf                    | Motorenfabrik HATZ AG                | +41 - 55 - 4 51 75 30              |
| CI   | Côte d' Ivoire | 1691 ABIDJAN 11                   | PRESTIGE - AUTO                      | +225 21756555                      |
| CN   | China          | Xiamen                            | Motorenfabrik Hatz GmbH. & Co. KG.   | +86 - 592 - 520 45 -28/-38/-78     |
| CO   | Columbia       | Medellin                          | Eduardoño S.A.                       | + 57 - 4 444 5888                  |
| CR   | Costa Rica     | 94099 Ruhstorf                    | Motorenfabrik Hatz GMBH & CO. KG     | +49 (0)8531 319 373                |
| CY   | Cyprus         | 3724 Limassol                     | L.NEMITSAS LTD                       | +357 - 25 - 56 92 25               |
| CZ   | Czech Republic | 37001 Ceske Budejovice            | David Servis spol. s.r.o.            | +420 - 38 - 7 31 22 69             |
| D    | Germany        | 02730 Ebersbach                   | Peter Hirche                         | +49 - (0)3586 - 36 23 79           |
| D    | Germany        | 03130 Spremberg                   | Lischke Motortechnik                 | +49 - (0)3563 - 60 50 40           |
| D    | Germany        | 04509 Wiedemar                    | SERVICEZENTRALE                      | +49 - (0)34207 - 7 44 0            |
| D    | Germany        | 04749 Ostrau                      | Teichert GmbH                        | +49 - (0)34324 - 2 22 43 / 2 46 79 |
| D    | Germany        | 07806 Neustadt / Orla             | Hoffmann & Sohn GmbH                 | +49 - (0)36481 - 29 60             |
| D    | Germany        | 07957 Langerwetzendorf            | LAREMO GmbH                          | +49 - (0)3 66 25 / 5 52 07         |
| D    | Germany        | 09669 Frankenberg                 | Huebner u. Kluge GmbH                | +49 - (0)37206 - 22 17             |
| D    | Germany        | 12057 Berlin                      | Fritz Bugel GmbH                     | +49 - (0)30 - 6 84 25 45           |
| D    | Germany        | 14774 Brandenburg / Plaue         | Stolze Moto-Tech GmbH                | +49 - (0)3381 - 4 04 70            |
| D    | Germany        | 15345 Altlandsberg                | Alfons Hase                          | +49 - (0)33438 - 6 04 16           |
| D    | Germany        | 15831 Groß-Kienitz                | Wilhelm Schmidt GmbH                 | +49 - (0)3 37 08 - 54 10           |
| D    | Germany        | 17235 Neustrelitz                 | Autek-Truck - Technik & Service GmbH | +49 - (0)3981 - 4 49 90            |
| D    | Germany        | 18055 Rostock                     | Mechanische Werkstatt                | +49 - (0)381 - 69 08 20            |
| D    | Germany        | 18442 GROß-LÜDERSHAGEN            | MOTOR-SPEZI                          | 03831-444393                       |
| D    | Germany        | 19348 Döpew                       | Bernd Jüchert                        | +49 - (0)3876 - 78 89 31           |
| D    | Germany        | 21107 Hamburg (Wilhelmsburg)      | SERVICEZENTRALE                      | +49 - (0)40 - 7 56 05 70           |
| D    | Germany        | 23556 Lübeck                      | Kindt-Motoren                        | +49 - (0)451 - 8 13 06 80          |
| D    | Germany        | 24145 Kiel - Wellsee              | Wulf Johannsen KG GmbH & Co.         | +49 - (0)431 - 58 795 33           |
| D    | Germany        | 26121 Oldenburg i.O.              | Motoreninstandsetzung Oldenburg GmbH | +49 - (0)441 - 7 20 21/22          |

|     |                |                                   |                                        |                                    |
|-----|----------------|-----------------------------------|----------------------------------------|------------------------------------|
| D   | Germany        | 28199 Bremen                      | Reinhold Linnenbrügger GmbH            | +49 - (0)421 - 50 40 48 / 50 40 49 |
| D   | Germany        | 31275 Lehrte                      | GM-Motoreninstandsetzung               | +49 - (0)5132 - 27 22              |
| D   | Germany        | 32756 Detmold                     | Wilhelm Plass                          | +49 - (0)5231 - 2 32 09            |
| D   | Germany        | 33611 Bielefeld                   | Faust & Noel e.K.                      | +49 - (0)521 - 6 18 83             |
| D   | Germany        | 36433 Moorgrund / OT Gumpelstadt  | Autohaus Kallenbach                    | +49 - (0)3695 - 8 42 38            |
| D   | Germany        | 37081 Göttingen-Grone             | Gerhard Wienstroth GmbH & Co. KG       | +49 - (0)551 - 69 31 10            |
| D   | Germany        | 39124 Magdeburg                   | Motoreninstandsetzung GmbH             | +49 - (0)391 - 28 92 11 0          |
| D   | Germany        | 44143 Dortmund-Wambel             | Dressendorfer GmbH & Co. KG            | + 49 (231) 565563(0)-11            |
| D   | Germany        | 47198 Duisburg                    | ASS                                    | 02841/1733117                      |
| D   | Germany        | 48282 Ermsdellen                  | Herbert Schwarte GmbH                  | +49 - (0)2572 - 50 02              |
| D   | Germany        | 48653 Coesfeld                    | Loick Motoren Technik GmbH. & Co. KG.  | +49 - (0)2541 - 7 00 44            |
| D   | Germany        | 49716 Meppen/Erms                 | M. + E. Motoren- und Energietechnik    | +49 - (0)5931 - 98 44-0            |
| D   | Germany        | 50859 Köln                        | Peter Müller GmbH                      | +49 - (0)2234 - 7 91 69            |
| D   | Germany        | 52477 Alsdorf - Mariadorf         | B. Hamacher GmbH                       | +49 - (0)2404 - 9 85 60            |
| D   | Germany        | 52525 Heinsberg                   | Winkens GmbH                           | +49 - (0)2452 - 9 03 13-0          |
| D   | Germany        | 54292 Trier                       | motormobile                            | +49 - (0)651 - 43 68 60            |
| D   | Germany        | 56323 Waldesch                    | Seibert & Münch                        | +49 - (0)2628 - 29 01              |
| D   | Germany        | 57368 Lennestadt                  | Motoreninstandsetzung                  | +49 - (0)2725 - 2 47               |
| D   | Germany        | 59069 Hamm-Rhynern                | Friedel Dicke GmbH                     | +49 - (0)2385 - 7 08 06-0          |
| D   | Germany        | 59609 Anröchte                    | Friedrich Dicke GmbH & Co.KG           | +49 - (0)2947 - 979863             |
| D   | Germany        | 64293 Darmstadt                   | SERVICEZENTRALE                        | +49 (0)6151 - 39 7 49 0            |
| D   | Germany        | 67661 Kaiserslautern (Siegelbach) | Emrich GmbH                            | +49 - (0)6301 - 80 82, 80 83       |
| D   | Germany        | 69214 Eppelheim                   | Eberle Hald Handel u. Dienstleistungen | +49 (0) 6221 7558 39 - 0           |
| D   | Germany        | 70188 Stuttgart                   | Eberle Hald Handel u. Dienstleistungen | +49 (0) 711 480 24 - 0             |
| D   | Germany        | 72555 Metzingen                   | Eberle Hald Handel u. Dienstleistungen | +49 - (0)7123 - 92 31 0            |
| D   | Germany        | 73492 Rainau-Goldshoefer          | Eberle Hald Handel u. Dienstleistungen | +49 (0)7361 9718 02                |
| D   | Germany        | 76139 Karlsruhe                   | Ehlgötz                                | +49 - (0)721 - 6 23 54-0           |
| D   | Germany        | 76571 Gaggenau                    | SKS-Motoren GmbH                       | +49 - (0)7225 - 96 08 23           |
| D   | Germany        | 78652 Dissslingen                 | Eberle Hald Handel u. Dienstleistungen | +49 (0) 7425 3386 - 0              |
| D   | Germany        | 79211 Denzlingen                  | Karl Hoch GmbH                         | +49 - (0)7666 - 88 24-0            |
| D   | Germany        | 79331 Teningen - Nimbürg          | Eberle Hald Handel u. Dienstleistungen | +49 (0)7663 9309 - 0               |
| D   | Germany        | 81477 München                     | Stefan Lutzenberger                    | +49 - (0)89 - 78 20 39             |
| D   | Germany        | 83483 Bischofswiesen              | Friedrich Dicke GmbH & Co. KG          | +49 - (0)8652 - 6 43 06            |
| D   | Germany        | 88074 Meckenbeuren                | Eberle Hald Handel u. Dienstleistungen | +49 (0) 7542 9410 - 0              |
| D   | Germany        | 90449 Nürnberg                    | Guth & Eberle GmbH                     | +49 - (0)911 - 6 88 79 53          |
| D   | Germany        | 94099 Ruhstorf                    | Motorenfabrik Hatz GmbH & Co. KG       | +49 - (0)8531 - 31 90              |
| D   | Germany        | 94501 Aldersbach                  | Christian Sauer                        | +49 - (0)8543 - 91 60 81           |
| D   | Germany        | 97904 Dorfprozelten               | MSG Mainschiffahrts-                   | +49 - (0)9392 - 93 41-0            |
| DK  | Denmark        | 2630 Taastrup                     | Erenfred Pedersen A/S                  | +45 - 43 71 01 66                  |
| DK  | Denmark        | 6000 Kolding                      | Erenfred Pedersen A/S                  | +45 - 76 33 60 60                  |
| DK  | Denmark        | 9000 Aalborg                      | Erenfred Pedersen A/S                  | +45 - 98 13 77 22                  |
| DOM | Dominican Rep. | Santo Domingo                     | La Antillana Comercial, S.A.           | +1 - 809 - 5 65 31 51              |
| DZ  | Algeria        | Alger                             | Dieselec S.A.R.L.                      | +213 - 21 - 49 50 54 / 55 / 56     |
| E   | Spain          | 01013 Vitoria                     | Talleres Solaf, S.A.                   | +34 - 945 - 260781                 |
| E   | Spain          | 07007 Palma de Mallorca           | Comagrilisa                            | +34 - 971 - 420137                 |
| E   | Spain          | 07714 Mahón                       | Parot, S.A.                            | +34 - 971 - 360623                 |



## HATZ service network

|     |             |                                        |                                        |                                   |
|-----|-------------|----------------------------------------|----------------------------------------|-----------------------------------|
| E   | Spain       | 08038 Barcelona                        | Comercial Aim, S.L.                    | +34 - 93 - 3393250                |
| E   | Spain       | 15008 A Coruña                         | Talleres Hércules                      | +34 - 981 - 261650 / 252935       |
| E   | Spain       | 17469 Fortià (Girona)                  | Mauricio Xatart Tell                   | +34 - 972 - 534088                |
| E   | Spain       | 18080 Granada                          | Comercial Peña Torres                  | +34 - 958 - 816600                |
| E   | Spain       | 18200 Maracena                         | Talleres Soriano                       | +34 - 958 - 410689                |
| E   | Spain       | 23009 Jaén                             | Comercial Peña Torres, S.A.            | +34 - 953 - 28 05 77              |
| E   | Spain       | 25230 Mollerusa (Lleida)               | Talleres Comaposada                    | +34 - 973 - 60 12 27              |
| E   | Spain       | 28906 Getafe - Madrid                  | Austral Reparaciones y Servicios, S.L. | 91 691 80 29                      |
| E   | Spain       | 29004 Málaga                           | Comercial Peña Torres                  | +34 - 952 - 17 70 72              |
| E   | Spain       | 30500 Molina de Segura                 | Campos López                           | +34 - 968 - 386248                |
| E   | Spain       | 31192 Mutilva Alta                     | Maquinaria y Servicios ECA             | +34 - 948 - 24 10 17              |
| E   | Spain       | 33211 Gijón                            | MaprinSA, S.A.                         | +34 - 985 - 167772                |
| E   | Spain       | 35008 El Sebadal                       | Fuendor                                | +34 - 928 - 46 53 06              |
| E   | Spain       | 38320 Taco                             | Fuendor (Repuestos)                    | +34 - 922 - 65 54 50              |
| E   | Spain       | 38350 Tacoronte                        | Fuendor (Taller)                       | +34 - 922 - 56 05 25              |
| E   | Spain       | 41007 Sevilla                          | Repuestos Correa                       | +34 - 954 361866                  |
| E   | Spain       | 43206 Reus (Tarragona)                 | Tractomecanic Maquinaria S.L.          | +34 - 977 - 314923                |
| E   | Spain       | 46469 Beniparell (Valencia)            | Talleres Rimi                          | +34 - 96 - 1 21 70 91             |
| E   | Spain       | 47193 La Cisterniga                    | Zafara                                 | +34 - 983 - 476851 / 225620       |
| E   | Spain       | 47610 Zaratán                          | Talleres Sermacons S.L.                | +34 - 983 - 342040                |
| E   | Spain       | 48014 Bilbao                           | Loter S.L.                             | +34 - 944 - 755853                |
| E   | Spain       | 50016 Zaragoza                         | Loma e Hijos, S.L.                     | +34 - 976 - 575177 / 570809       |
| E   | Spain       | 50171 La Puebla de Alfindén (Zaragoza) | Motores HATZ Espana S.L.U.             | +34 - 976 - 10 81 28              |
| EAK | Kenya       | 00100 Nairobi                          | First Machineries Ltd.                 | +254 - 20 - 55 77 86              |
| EC  | Ecuador     | Guayaquil                              | Compañía Comercial                     | +593 - 4 -256 05 02               |
| ES  | El Salvador | San Salvador                           | TEMSA                                  | +503 - 2239 8600                  |
| ET  | Egypt       | 11331 Cairo                            | Market Leaders                         | +20 - 22 - 4 53 07 63, 4 53 09 17 |
| ETH | Ethiopia    | 94099 RUHSTORF                         | MOTORENFABRIK HATZ GMBH & CO.KG        | +49 8531 319 425                  |
| EW  | Estonia     | 11612 Tallinn                          | Estmotor Oü                            | +372 - 6 52 65 95                 |
| F   | France      | 10350 Marigny Le Châtel                | Garage Mathieu                         | +33 - 3 - 25 39 24 01             |
| F   | France      | 13852 Aix-en-Provence                  | I.M.F.                                 | +33 - 4 - 42 90 30 65             |
| F   | France      | 14123 IFS                              | BOUVET S.A.S                           | +33 - 2 - 31 52 01 47             |
| F   | France      | 19100 Brive                            | Saint-Germain Rectif & Pradeau Moteurs | +33 - 5 - 55 86 91 91             |
| F   | France      | 21560 Arc-sur-Tille                    | Garage Remillet                        | +33 - 3 - 80 37 24 52             |
| F   | France      | 25410 Saint-Vit                        | DEPANNT'P                              | +33 - 3 - 81 87 61 10             |
| F   | France      | 27002 Evreux Cédex                     | Demolin                                | +33 - 2 - 32 39 07 22             |
| F   | France      | 31300 Toulouse                         | MIDI-DIESEL ELECTRO ACCESSOIRES        | +33 - 5 - 61 42 80 11             |
| F   | France      | 33704 Mérignac                         | Laporte                                | +33 - 5 - 56 34 20 26             |
| F   | France      | 34671 Baillargues Cédex 1              | L.M.S. (Languedoc Matériel Service)    | +33 - 4 - 67 91 29 39             |
| F   | France      | 37170 Chambray-Les-Tours               | Perron & Gay                           | +33 - 2 - 47 28 94 94             |
| F   | France      | 54710 Fléville                         | M.T.E. Services                        | +33 - 3 - 83 25 75 00             |
| F   | France      | 56402 Auray Cédex                      | PENQUEST                               | +33 - 2 - 97 24 16 59             |
| F   | France      | 59167 LALLAING                         | COMOTEQ                                | +33 - 3 - 27 99 35 23             |
| F   | France      | 67300 Schiltigheim                     | ALSIA                                  | +33 - 3 - 88 33 05 95             |
| F   | France      | 69684 Chassieu Cedex                   | HATZ-France                            | +33 - 4 - 78 90 73 25             |
| F   | France      | 76807 Saint-Etienne du Rouvray Cedex   | Morissee-Nayrat                        | +33 - 2 - 32 95 91 65             |

## HATZ service network

|     |               |                             |                                     |                                    |
|-----|---------------|-----------------------------|-------------------------------------|------------------------------------|
| F   | France        | 78610 Le Perray en Yvelines | Sudmat                              | +33 - 1 - 34 57 85 00              |
| F   | France        | 78703 Conflans-Ste-Honorine | Diesel Marine                       | +33 - 1 - 39 72 68 83              |
| F   | France        | 94290 Villeneuve le Roi     | S.F.2.A                             | +33 - 1 - 49 61 30 90              |
| FIN | Finland       | 01390 Vantaa                | Finmotor Oy                         | +358 - 9 - 8 70 09 70              |
| FJI | Fiji          | Suva, Fiji Is.              | Solar & Alternative                 | +679 - 3 39 80 06                  |
| G   | Gabon         | Libreville                  | MIAG                                | +241 - 76 00 31, 72 17 27          |
| GB  | Great Britain | BL4 OLS Bolton              | Seddons Plant                       | +44 - 1204 - 85 46 00              |
| GB  | Great Britain | BS20 7XE Bristol            | Rollo UK ( Aktion Automotive )      | +44 1275 377800                    |
| GB  | Great Britain | CF24 5EL Cardiff            | CPS (European) Ltd.                 | +44 2920 453194                    |
| GB  | Great Britain | CM9 5FA Essex               | Taylor Construction Plant Ltd       | +44 - 1621 - 85 07 77              |
| GB  | Great Britain | CV21 1PB Warkwickshire      | BrownPower Eng Ltd                  | +44 - 1788 - 57 75 75              |
| GB  | Great Britain | FK16 6AU Perthshire         | Young Plant & Equipment             | +44 - 1786 - 84 15 98              |
| GB  | Great Britain | GL17 0IA Gloucestershire    | Titan Industrial Ltd                | +44 - 1452 - 83 18 21              |
| GB  | Great Britain | KT10 9AJ Surrey             | A&P Services (Surrey) Ltd           | +44 1372 468315                    |
| GB  | Great Britain | LE10 3BP Hinckley, Leics.   | HATZ Great Britain Ltd.             | +44 - 1455 - 62 21 01              |
| GB  | Great Britain | LN1 2LR Lincoln             | CG Plant Sales                      | +44 - 1522 - 70 40 14              |
| GB  | Great Britain | LS12 6EP Leeds              | W.G. Search Ltd                     | +44 - 1132 - 79 79 90              |
| GB  | Great Britain | LS12 JAJ Leeds              | Chippindale Plant Ltd               | +44 - 113 - 2 63 23 44             |
| GB  | Great Britain | LU5 6HF Dunstable           | Southern Plant Ltd.                 | +44 845 304 0001                   |
| GB  | Great Britain | ME20 6SE Kent               | Leach Lewis Plant Ltd.              | +44 1622 718118                    |
| GB  | Great Britain | NE4 7AX Newcastle           | John Nixon Ltd.                     | +44 - 191 - 2 26 06 66             |
| GB  | Great Britain | NN11 8QJ Northants          | Bryco Group Ltd.                    | +44 - 1327 - 87 61 66              |
| GB  | Great Britain | PL12 6LX Cornwall           | AB Services Ltd.                    | +44 - 1752 - 84 88 20              |
| GB  | Great Britain | PO13 0FJ Hampshire          | Meetens Industrial Engines          | +44 845 6340297                    |
| GB  | Great Britain | RH19 2Hu West Sussex        | Hydraulic Plant Services Ltd.       | +44 1343 327300                    |
| GB  | Great Britain | SN8 2RN Wiltshire           | T.H. White                          | +44 - 1672 - 51 23 28              |
| GB  | Great Britain | ST4 3NX Stoke-on-Trent      | Seddons Plant                       | +44 - 1782 - 59 34 44              |
| GB  | Great Britain | TO14 9AE Devon              | Sleeman & Hawken Ltd.               | +44 1626 778266                    |
| GB  | Great Britain | TS18 2PF Stockton           | John Nixon Ltd.                     | +44 - 1642 - 67 26 94              |
| GCA | Guatemala     | Guatemala, Ciudad           | Técnico Mercantil S.A.              | + 502 - 2331 4193                  |
| GH  | Ghana         | Accra - North               | Agria Machinery                     | +233 - 302 - 22 21 69              |
| GN  | Guinea        | Conakry                     | IDRISSA DIOP                        | +224 30 47 80 80                   |
| GR  | Greece        | 11855 Athens                | DIM - HA. Ltd.                      | +30 - 210 - 3 41 73 63             |
| GUA | Guadeloupe    | 97176 Abymes Cedex          | Assistance 97 Guadeloupe            | +590 - 590 47 09 90                |
| GUY | Guyana        | 94099 Ruhstorf              | Motorenfabrik Hatz GMBH & CO. KG    | +49 (0)8531 319 373                |
| H   | Hungary       | 1165 Budapest               | Benaco                              | +36 - 1 - 4 07 37 34               |
| HK  | Hong Kong     | Xiamen                      | Motorenfabrik Hatz GmbH. & Co. KG.  | +86 - 592 - 520 45 -28/-38/-78     |
| HN  | Honduras      | Tegucigalpa, D.C.           | Corporación Comercial, S.A. de C.V. | + 504 - 222 0576                   |
| HR  | Croatia       | 10000 Zagreb Hrvatska       | Diesel Motori d.o.o.                | +385 - 1 - 3 46 35 18, 3 46 26 69  |
| I   | Italy         | 00133 Roma                  | Eros Antonelli S.N.C.               | +39 - 06 - 72 65 02 60             |
| I   | Italy         | 04014 Borgo Vodice (LT)     | Dorati Luciano                      | +39 - 0773 - 85 01 09              |
| I   | Italy         | 05100 Terni                 | Lamperini Services                  | +39 - 0744 - 30 62 10              |
| I   | Italy         | 06061 Castiglione del Lago  | Della Giovampaola Danilo            | +39 - 075 - 96 52 433              |
| I   | Italy         | 09034 Elmas CA              | De Murtas Antonio & C. S.A.S.       | +39 - 070 - 21 61 06               |
| I   | Italy         | 10138 Torino                | Centro Ricambio                     | +39 - 011 - 4 55 11 81/ 4 55 12 11 |
| I   | Italy         | 12030 Faule (Cn)            | Multidiesel di Barge Ilario         | +39 - 338 - 7 19 94 09             |







## HATZ service network

|     |         |                                          |                                          |                                    |
|-----|---------|------------------------------------------|------------------------------------------|------------------------------------|
| I   | Italy   | 14056 Boglietto di Costigliole d'Asti AT | Barbero Andrea                           | +39 - 0141 - 96 82 93              |
| I   | Italy   | 16100 Genova                             | Bruzzone Enzo                            | +39 - 010 - 3 73 93 96             |
| I   | Italy   | 20068 Peschiera Borromeo (MI)            | C.S.D. Centro Servizi Diesel S.R.L.      | +39 - 02 - 55 303 000              |
| I   | Italy   | 21040 Origgio (VA)                       | C.M.R. s.n.c. di Bianchi Roberto & C.    | +39 - 02 - 96 73 20 62             |
| I   | Italy   | 22046 Erba CO                            | Miotto Luciano                           | +39 - 031 - 64 16 73               |
| I   | Italy   | 24050 Orio al Serio BG                   | Marconi & Caldara                        | +39 - 035 - 31 25 76 / 077 04 35   |
| I   | Italy   | 25021 Bagnolo Mella (Bs)                 | Officina Meccanica                       | +39 - 030 - 68 21 441              |
| I   | Italy   | 29017 Fiorenzuola d'Arda PC              | Arduini Luigi di Arduini Armando         | +39 - 0523 - 98 26 39              |
| I   | Italy   | 31057 Silea (Tv)                         | Trattoricambi sas                        | +39 - 0422 - 36 12 31              |
| I   | Italy   | 33010 Feletto Umberto Tavagnacco Ud.     | Ezio Fiorin Eredi di Alberto Fiorin & C. | +39 - 0432 - 57 30 76              |
| I   | Italy   | 33078 San Vito al Tagliamento (PN)       | Officina Venaruzzo Antonio               | +39 - 0434 - 87 63 77              |
| I   | Italy   | 34015 Muggia TS                          | Centro Ricambio                          | +39 - 040 - 23 17 15               |
| I   | Italy   | 35030 Vo                                 | Giuseppe Marcolongo                      | +39 - 049 - 9 94 06 76             |
| I   | Italy   | 36060 Romano d'ezzelino (VI)             | Parolin Enzo                             | +39 - 0424 - 3 09 75               |
| I   | Italy   | 38010 S. Michele all'Adige TN            | Campese S.N.C.                           | +39 - 0461 - 65 01 69              |
| I   | Italy   | 39100 Bolzano                            | Officina D'Ambrosio                      | +39 - 0471 - 20 42 00              |
| I   | Italy   | 40060 Trebbio Di Reno (BO)               | Venturoli Lauro                          | +39 - 051 - 70 02 41               |
| I   | Italy   | 41122 Modena                             | HATZ Italia S.R.L.                       | +39 - 059 - 25 41 29               |
| I   | Italy   | 41126 Modena (MO)                        | Centro Ricambi                           | +39 - 059 - 82 62 14               |
| I   | Italy   | 43100 Parma                              | Arduini Franco e Figlio S.N.C.           | +39 - 0521 - 48 75 66              |
| I   | Italy   | 44043 Marzabotto BO                      | Lolli F.C.                               | +39 - 051 - 93 24 41               |
| I   | Italy   | 47023 Cesena (FO)                        | Domeniconi Egisto Romano & C. S.N.C.     | +39 - 0547 - 32 55 13              |
| I   | Italy   | 50053 Empoli (FI)                        | O.R.M.A. di Niccolai Dino e              | +39 - 0571 - 8 03 04               |
| I   | Italy   | 50142 Firenze (FI)                       | Centro Ricambi                           | +39 - 055 - 7 32 74 43             |
| I   | Italy   | 60035 Jesi AN                            | Cercaci Officina Meccanica               | +39 - 0731 - 20 50 46              |
| I   | Italy   | 66020 Sambuceto (CH)                     | CO. GAL. CO. S.R.L.                      | +39 - 085 - 44 600 55              |
| I   | Italy   | 70123 Bari                               | Morettau S.R.L.                          | +39 - 080 - 50 585 60              |
| I   | Italy   | 70123 Bari                               | Rettifiche di Palma                      | +39 - 080 - 5 34 16 38             |
| I   | Italy   | 71016 San Severo FG                      | Ianzano F. LLI Raffaele e Luigi          | +39 - 0882 - 33 14 18              |
| I   | Italy   | 73020 Martignano (LE)                    | Coriano Tomasso Officina Meccanica       | +39 - 0832 - 80 10 08              |
| I   | Italy   | 74015 Martina Franca (TA)                | Fratelli Cannella SNC                    | +39 - 080 - 48 552 59              |
| I   | Italy   | 80026 Casoria (NA)                       | CO. MAC. S.R.L.                          | +39 - 081 - 7 59 42 76, 7 59 08 00 |
| I   | Italy   | 84069 Roccadaspide (SA)                  | Sforza Marcello                          | +39 - 0828 - 94 18 34              |
| I   | Italy   | 85043 Latronico PZ                       | Falabella Egidio                         | +39 - 0973 - 85 81 41              |
| I   | Italy   | 88074 Crotone                            | R.A.I.M. S.A.S.                          | +39 - 0962 - 2 28 69               |
| I   | Italy   | 95131 Catania                            | Coco Gaetano di C. Mario e               | +39 - 095 - 53 96 50               |
| I   | Italy   | 97100 Ragusa (RG)                        | Ricca S.R.L.                             | +39 - 0932 - 66 74 00              |
| I   | Italy   | 98071 Capo d'Orlando ME                  | Motagrind S.D.F. di Mangano & Scarvaci   | +39 - 0941 - 90 19 59              |
| IL  | Israel  | 81100 Yavne, Israel                      | Shatal Engineering Ltd.                  | +972 - 8 - 9 32 02 20              |
| IND | India   | 110008 New Delhi                         | SKL (India) Pvt. Ltd.                    | +91 - 11 - 25896075                |
| IND | India   | 400072 Mumbai                            | SKL (India) Pvt. Ltd.                    | +91 - 22 - 28 47 66 49             |
| IQ  |         | Tehran                                   | Mr. B. Amyari                            | +98 - 9123152982                   |
| IR  | Iran    | Tehran                                   | Mr. B. Amyari                            | +98 - 9123152982                   |
| IRL | Ireland | BT36 8BX Mullusk                         | T.B.F. Thompson                          | +44 - 2890 - 84 83 71              |
| IRL | Ireland | BT51 5JZ Coleraine                       | T.B.F. Thompson                          | +44 - 28 - 29 55 83 53             |
| IS  | Iceland | 203 Kopavogur                            | Tækjasalan ehf.                          | +35-4-5672520                      |

## HATZ service network

|     |              |                                  |                                             |                                      |
|-----|--------------|----------------------------------|---------------------------------------------|--------------------------------------|
| J   | Japan        | 103-0023 Tokyo                   | Tominaga & Co., Ltd.                        | +81 - 3 - 36 39 - 53 11              |
| JOR | Jordan       | 11118 Amman                      | Al Ghanem                                   | +962 - 6 - 4 39 51 55                |
| KAZ | Kazakhstan   | 007018 Ust-Kamenogorsk           | EngineService                               |                                      |
| KAZ | Kazakhstan   | 010000 Astana                    | EngineService                               | +7(7172) 73 80 73                    |
| KAZ | Kazakhstan   | 050052 Almaty                    | Engine Service                              | +7 - 727 - 3 41 01 10                |
| KAZ | Kazakhstan   | 050062 Almati                    | EngineService                               | +7 (727) 321-83-31                   |
| KH  |              | 768441 SINGAPORE                 | Please contact                              |                                      |
| KSA | Saudi Arabia | 21462 Jeddah                     | Electrical Work & Maintenance               | +966 - 2 - 6 91 66 55                |
| KWT | Kuwait       | Kuwait                           | Sabah International                         | +965 - 4 81 82 43                    |
| LT  | Lithuania    | 52367 Kaunas                     | PLLC MASTERMANN                             | +370 - 37 - 45 31 55                 |
| LV  | Latvia       | 1035 Riga                        | KONO Ltd.                                   | +371 - 67 - 14 94 25                 |
| MA  | Morocco      | MA-Casablanca                    | SONACOM                                     | +212 - 5 - 22 24 97 00               |
| MAL | Malaysia     | 47100 Puchong                    | Autorex Engineering & Trading               | +603 - 80 61 06 68                   |
| MAT | Martinique   | 97232 Le Lamentin                | Assistance 97                               | +596 - 5 96 50 30 00                 |
| MAW | Malawi       | 3 Blantyre                       | Engineering and Foundry                     | +2651 - 671241/672028                |
| MOC | Mozambique   | Maputo                           | ABC Trading Lda.                            | +258 - 21 - 30 92 79                 |
| MV  | Maldives     | Male                             | MA Services Pvt. Ltd.                       | +960 - 3 31 09 35                    |
| N   | Norway       | 4870 Fevik                       | Industrimotor AS                            | +47 - 37 - 09 16 00                  |
| NAM | Namibia      | Windhoek                         | ConServ Engineering Services C.C.           | +264 - 61 - 23 63 36                 |
| NL  | Netherlands  | 3311 JC Dordrecht                | Machinefabriek Dolderman BV                 | +31 - 78 - 6 13 82 77                |
| NL  | Netherlands  | 4104 AE Culemborg                | HATZ Nederland BV                           | +31 - 345 - 47 00 40                 |
| NL  | Netherlands  | 8013 NE Zwolle                   | Janal Engineering BV                        | +31 - 38 - 4 60 22 00                |
| NL  | Netherlands  | 9301 ZV Roden                    | Ausma Motorenrevisie B.V.                   | +31 - 50 - 5 01 60 28                |
| NZ  | New Zealand  | Auckland, New Zealand            | Youngman, Richardson and Co. Ltd.           | +64 - 9 - 4 43 24 36                 |
| OM  | Oman         | Al-Mawaleh South, Al-Seeb        | INMA CO. OMAN LLC                           | 00968 24552455                       |
| P   | Portugal     | 2130-111 Benavente - Lisboa      | Pinto & Cruz - Motores e Equipamentos, S.A. | +351 21 7 11 21 00                   |
| P   | Portugal     | 4100-320 Porto Codex             | Pinto & Cruz - Motores e Equipamentos S.A.  | +351 - 22 - 6 15 05 58               |
| PA  | Panama       | Panamá 5                         | Dimar, S.A.                                 | +507 - 2 29 14 44                    |
| PE  | Peru         | Lima 03                          | Or Maquinarias S.A.C.                       | +51 - 1 - 479/8170, 8265             |
| PL  | Poland       | 03-046 Warszawa                  | Full Sp. Z o.o.                             | +48 - 22 - 8 19 40 40                |
| PL  | Poland       | 30-732 Krakow                    | Wakbud Sp. Z o.o.                           | +48 - 12 - 6 53 25 37                |
| PL  | Poland       | 41-803 Zabrze                    | Wobis                                       | +48 - 32 - 2 75 32 26                |
| PL  | Poland       | 55-010 Zerniki Wroclawskieawskie | Maszyzny Budowlane "JAS"                    | +48 - 89 - 5 34 59 74                |
| PL  | Poland       | 84-122 Zeliztrzewo               | E.M.A. Hochschule S.C.                      | +48 - 58 - 6 73 60 80                |
| PL  | Poland       | 85-549 Bydgoszcz                 | Technet S.C.                                | +48 - 52 - 3 70 70 90                |
| PL  | Poland       | 95-002 Smardzew                  | Broker - Serwis                             | +48 - 42 - 7177868; 7177883; 7177895 |
| PNG | Papua New G. | 2164 Smithfield NSW              | please contact:                             | +61 - 2 - 8788 7999                  |
| Q   | Qatar        | Doha                             | INMA Company - Qatar L.L.C.                 | +974 - 4 - 43 00 88                  |
| RA  | Argentina    | S 2252 BMR Galvez (Santa Fé)     | Bounous Hnos S.A.                           | +54 - 3404 - 48 16 10                |
| RB  | Botswana     | Gaborone                         | Orbit Pumps (Botswana) (Pty) Ltd.           | +267 - 397 49 26                     |
| RC  | Taiwan       | 768441 Singapore                 | EquipSource Pte Ltd                         | +65 - 67 59 22 96                    |
| RCB | Congo        | 3689 Kinshasa-Gombe              | Bureau Technique BIA sprl                   | +243 - 81 - 1 60 23 95               |
| RCH | Chile        | Santiago                         | Tecnica de Maquinarias Ltda.                | +56 - 22 - 7 82 92 75                |
| REU | Réunion      | 94099 RUHSTORF                   | MOTORENFABRIK HATZ GMBH & CO.KG             | +49 8531 319 425                     |
| RI  | Indonesia    | 768441 Singapore                 | Please contact our agent in Singapore       | +65 - 67 59 22 96                    |
| RIM | Mauritania   | Nouakchott                       | SODEQ S.A.                                  | +222 - 5 25 47 30                    |

|     |             |                               |                                    |                                     |
|-----|-------------|-------------------------------|------------------------------------|-------------------------------------|
| RL  | Lebanon     | 1102-2070 Beirut              | Nagib Baki & Sons                  | +961 - 1 - 36 52 62                 |
| RM  | Madagascar  | Tananarive                    | Société Ameca                      | +261 - 20 - 2 22 30 16              |
| RMM | Mali        | Bamako                        | Dupé S.A.                          | +223 - 2 21 52 30                   |
| RO  | Romania     | 012051 Bucharest              | Fland Gruppe srl.                  | +40 - 21 - 3 36 11 30/ -50          |
| ROK | Korea       | 150-972 Seoul-Youngdeungpo-Gu | U-YOUNG INDUSTRIAL CO.LTD.         | +82 2 549 0611                      |
| ROU | Uruguay     | 12900 Montevideo              | Bromberg y Cia. S.A.               | +598 - 2 - 3 55 77 70               |
| RP  | Philippines | Quezon City                   | M & W Distributing Co. Inc.        | +63 - 2 - 3 71 19 36                |
| RS  | Serbia      | 11120 Beograd                 | IWE d.o.o.                         | +381 - 11 2 76 65 65                |
| RT  | Togo        | 94099 RUHSTORF                | MOTORENFABRIK HATZ GMBH & CO.KG    | +49 8531 319 425                    |
| RU  | Burundi     | Bujumbura                     | Metalubia                          | +257 - 22 - 23 30                   |
| RUS | Russia      | 129336 Moscow                 | Stend Ltd.                         | +7 - 495 - 4 74 60 31               |
| RUS | Russia      | 193315 Sankt-Petersburg       | MKSM-Servis Spb                    | +7 - 812 - 309 03 80                |
| RUS | Russia      | 346405 Nowotscherkassk        | AUTOENERGIESYSTEME                 | +7 - 8635 - 23 42 91                |
| RUS | Russia      | 390028 Ryazan                 | PromDizel Limited Corp.            | +7 - 4912 - 33 24 45                |
| RUS | Russia      | 414000 Astrakhan              | AstraDieselService                 | +7 (8512) 40-88-99                  |
| RUS | Russia      | 628404 Surgut                 | MKSM - Servis Surgut               | +7 - 3462 - 67 33 06                |
| RUS | Russia      | 640007 Kurgan                 | Ural-Hatz-Diesel                   | +7 - 3522 - 54 54 50                |
| S   | Sweden      | 13650 Haninge                 | Swedmotor AB                       | +46 - 8 - 50 01 21 40               |
| S   | Sweden      | 17239 Sundbyberg              | Dixner & Co AB                     | +46 - 8 - 29 12 03                  |
| S   | Sweden      | 21376 Malmö                   | Elektro-Diesel Autoservice AB      | +46 - 40 - 21 03 65                 |
| S   | Sweden      | 23236 Ärlöv                   | MT Service AB                      | +46 - 40 - 43 73 65                 |
| S   | Sweden      | 34013 Hamneda                 | Sjödahls Repservice                | +46 - 372 - 5 40 76                 |
| S   | Sweden      | 58112 Linköping               | Branzells elektro-diesel ab        | +46 - 13 - 31 09 00                 |
| S   | Sweden      | 59892 Vimmerby                | Mek & Maskin                       | +46 - 496 - 4 02 40                 |
| S   | Sweden      | 63346 Eskilstuna              | Larssons Motor AB                  | +46 - 16 - 13 60 04                 |
| S   | Sweden      | 65110 Karlstad                | Branzells elektro-diesel ab        | +46 - 54 - 85 29 00                 |
| S   | Sweden      | 65111 Karlstad                | Värm-dal Maskin AB                 | +46 - 54 - 13 77 00                 |
| S   | Sweden      | 67141 Arvika                  | Arvika Bil El                      | +46 - 570 - 71 15 90                |
| S   | Sweden      | 67222 Årjäng                  | Myrvolds Maskin                    | +46 - 573 - 1 30 52                 |
| S   | Sweden      | 70140 Örebro                  | Branzells elektro-diesel ab        | +46 - 19 - 27 40 00                 |
| S   | Sweden      | 72137 Västerås                | Branzells elektro-diesel ab        | +46 - 21 - 81 03 10                 |
| S   | Sweden      | 83148 Östersund               | Siljeströms Motorrenovering AB     | +46 - 63 - 10 60 70                 |
| S   | Sweden      | 85751 Sundsvall               | LHS Maskiner                       | +46 - 60 - 57 72 20                 |
| S   | Sweden      | 89495 Moliden                 | Flärke Kojerservice AB             | +46 - 660 - 9 11 42                 |
| S   | Sweden      | 90586 Umeå                    | Larsson Maskin AB                  | +46 - 90 - 14 73 30                 |
| S   | Sweden      | 93621 Boliden                 | BPA Industriteknik AB              | +46 - 910 - 77 42 15                |
| S   | Sweden      | 98138 Kiruna                  | Truck & Maskin AB Kiruna           | +46 - 980 - 1 50 20                 |
| S   | Sweden      | 98222 Gällivare               | Holmgrens Truck & Motor            | +46 - 970 - 1 45 40                 |
| SGP | Singapore   | 768441 Singapore              | EquipSource Pte Ltd                | +65 - 67 59 22 96                   |
| SK  | Slavakia    | 91501 Nové Mesto n. Váhom     | RAMIRENT spol. s r.o.              | +421 - 032 - 77 15 49 7             |
| SLO | Slovenia    | 2000 Maribor                  | VZDRZEVANJE NEJC, D.O.O.           | +386 - 2 - 420 11 98                |
| SME | Suriname    | 94099 Ruhstorf                | Motorenfabrik Hatz GMBH & CO. KG   | +49 (0)8531 319 373                 |
| SN  | Senegal     | Dakar                         | MATFORCE                           | +221 - 33 - 839 95 00               |
| SYR | Syria       | - Damascus                    | Electromechanical Equipment        | +963 - 11 - 2 21 39 55 / 2 21 56 78 |
| TAH | Tahiti      | 98701 Arue                    | Ets. Dieumegard                    | +689 - 6 89 42 32 38                |
| THA | Thailand    | 10120 Bangkok                 | General Diesel (Thailand) Co. Ltd. | +662 - 2 94 08 75 - 6, 2 84 08 28   |

|     |                   |                               |                                            |                                    |
|-----|-------------------|-------------------------------|--------------------------------------------|------------------------------------|
| TN  | Tunesia           | 1001 Tunis                    | S.I.A Ben Djemaa & Cie                     | +216 - 71 24 25 66                 |
| TN  | Tunesia           | 3000 Sfax                     | S.I.A Ben Djemaa & Cie                     | +216 - 74 40 84 09                 |
| TR  | Turkey            | 34852 Maltepe Istanbul Turkey | Efes Makina Sanayi ve dis Ticaret Ltd. STI | +90 - 216 - 3 67 35 75             |
| TT  | Trinidad and Tob. | San Fernando                  | Electrodiesel & Co. Ltd.                   | +1 - 868 - 652 - 37 10             |
| UA  | Ukraine           | 03313 Kiev                    | ERA - Engineering Remake Aggregate         | +380 - 44 - 5 99 16 44             |
| UAE | United Arab. Em.  | Dubai                         | INMA                                       | +971 - 4 - 2 85 72 72              |
| USA | United States     | WI 53187-0258 Waukesha        | HATZ Diesel of America, Inc.               | +1 - 262-544-0254                  |
| UZB | Uzbekistan        | 100011 Tashkent               | Kartash Profservice                        | +998 - 7 11 203090                 |
| VN  | Vietnam           | 768441 Singapore              | Please contact our agent in Singapore      | +65 - 67 59 22 96                  |
| WAL | Sierra Leone      | Freetown                      | cerra automotive                           | +232 - 77 - 23 21 72               |
| WAN | Nigeria           | - Lagos                       | A1 Multi Services Limited                  | +234 - 1 - 7 21 67 21              |
| YAR | Rep. of Yemen     | Sana'a                        | Al Mahfadi & Abo-Miskah Co. Ltd.           | +967 - 1 - 22 47 66, 22 25 29      |
| YV  | Venezuela         | Caracas                       | Maquinarias Larmaq, C.A.                   | +58- 212 - 9 44 16 31 / 9 44 56 29 |
| ZA  | South Africa      | Bloemfontein                  | CPR Maintenance CC                         | +27 - (0)51 - 4 47 96 18           |
| ZA  | South Africa      | Capetown                      | Compaction & Industrial Equipment C.C.     | +27 - (0)21 - 9 49 77 67           |
| ZA  | South Africa      | Edenvale                      | Hatz Diesel (S.A.) Pty. Ltd.               | +27 - 11 - 5 74 09 00              |
| ZA  | South Africa      | Port Elizabeth                | S & K Diesels cc                           | +27 - 41 - 5 83 37 80              |
| ZW  | Zimbabwe          | Harare                        | R & S Diesel Pro Services (PVT) Ltd.       | +263 - 4 44 78 69 / 90 / 99        |

Serial-code modification list  
 Serien-Nr.-Änderungen  
 Modification des Nos de serien  
 Modificación de los Nos de serie  
 Modifica dei codici

| IMT-No.                                   | IMT-No.                                  |
|-------------------------------------------|------------------------------------------|
| <b>1D41 (Serial No. 094 xx .. .....)</b>  | <b>1D81 (Serial No. 073 xx .. .....)</b> |
| 1D41.10 →.11 95.543                       | 1D81.12 →.13 96.552                      |
| 1D41.11 →.12 96.555                       | 1D81.13 →.14 96.553                      |
| 1D41.12 →.13 96.556                       | 1D81.14 →.15 96.554                      |
| 1D41.13 →.14 97.562                       | 1D81.15 →.16 97.562                      |
| 1D41.14 →.15 97.563                       | 1D81.16 →.17 97.565                      |
| 1D41.15 →.16 97.565                       | 1D81.17 →.18 97.570                      |
| 1D41.16 →.17 98.584                       | 1D81.18 →.19 98.579                      |
| 1D41.17 →.18 00.602                       | 1D81.19 →.20 00.596                      |
| 1D41.18 →.19 02.618                       | 1D81.20 →.21 00.599                      |
| 1D41.19 →.20 04.637                       | 1D81.21 →.22 01.609                      |
| 1D41.20 →.21 05.645                       | 1D81.22 →.23 02.618                      |
| 1D41.21 →.22 10.700                       | 1D81.23 →.24 05.643                      |
|                                           | 1D81.24 →.25 08.675                      |
|                                           | 1D81.25 →.26 10.700                      |
|                                           | 1D81.26 →.27 13.712                      |
| <b>1D42 (Serial No. 133 xx .. .....)</b>  | <b>1D81 (Serial No. 159 xx .. .....)</b> |
| 1D42.10 →.11 10.700                       | 1D81.27                                  |
| <b>1D42 (Serial No. 155 xx .. .....)</b>  | <b>1D81 (Serial No. 160 xx .. .....)</b> |
| 1D42.10                                   | 1D81.27                                  |
| <b>1D42C (Serial No. 157 xx .. .....)</b> | <b>1D81 (Serial No. 316 xx .. .....)</b> |
| 1D42C.10                                  | 1D81.26 →.27 13.712                      |
| <b>1D50 (Serial No. 109 xx .. .....)</b>  | <b>1D90 (Serial No. 108 xx .. .....)</b> |
| 1D50.11 →.12 00.593                       | 1D90.10 →.11 97.562                      |
| 1D50.12 →.13 00.605                       | 1D90.11 →.12 97.565                      |
| 1D50.13 →.14 02.618                       | 1D90.12 →.13 97.570                      |
| 1D50.14 →.15 04.637                       | 1D90.13 →.14 98.579                      |
| 1D50.15 →.16 05.644                       | 1D90.14 →.15 00.603                      |
| 1D50.16 →.17 10.693                       | 1D90.15 →.16 00.599                      |
| 1D50.17 →.18 10.700                       | 1D90.16 →.17 02.618                      |
| 1D50.18 →.19 10.701                       | 1D90.17 →.18 05.646                      |
| 1D50.19 →.20 11.702                       | 1D90.18 →.19 10.700                      |
|                                           | 1D90.19 →.20 13.712                      |
| <b>1D50 (Serial No. 156 xx .. .....)</b>  |                                          |
| 1D50.10                                   |                                          |

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