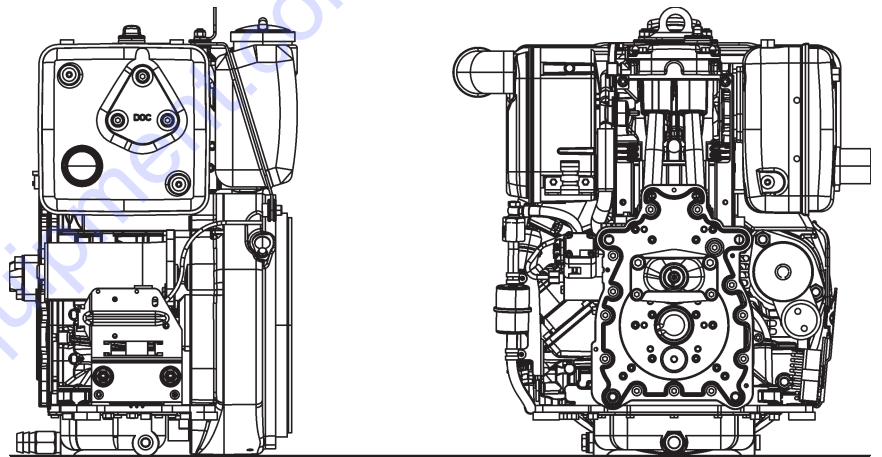


HATZ 1D90E

DIESEL ENGINE
DIESELMOTOR
MOTEUR DIESEL



SPARE PARTS CATALOGUE ERSATZTEILKATALOG CATALOGUE DE PIÈCES DÉTACHÉES

EDITION 01/2022 ML
From Engine No. 1850421000316

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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 ⁻¹

EMISSION CONTROL INFORMATION			
MOTORENFABRIK HATZ KG · D-94099 RUHSTORF			
ENG.FAM.	MADE IN GERMANY	mm ³ /H	
TYPE / SPEC. / FDT			
①			
SERIAL NO.	Liter / PV		
②			
MIN ⁻¹	NH / kW	BUILD DATE	
③			
This engine conforms to MY U.S. EPA regulations large nonroad 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	☐	(094 22)	1 D 81.27	☐	(073 27)
1 D 42.11	☐	(133 11)	1 D 81.27 DOC 1500-1800	☐	(166 27)
1 D 42.10 DOC	☐	(172 10)	1 D 81.27 DOC 1850-3000	☐	(171 27)
1 D 42C.10 EPA TIER IV final	☐	(157 10)	1 D 81C.27 EPA TIER IV final	☐	(160 27)
1 D 50.20	☐	(109 20)	1 D 81.27 Min. load	☐	(316 27)
1 D 50.10 DOC	☐	(173 10)	1 D 90.20	☐	(108 20)
			1 D 90.20 DOC 1500-1800	☐	(167 20)
			1 D 90.20 DOC 1850-3000	☐	(169 20)

Example: / Beispiel: / Exemple: / Ejemplo: / Esempio: **133 11 18 123456**

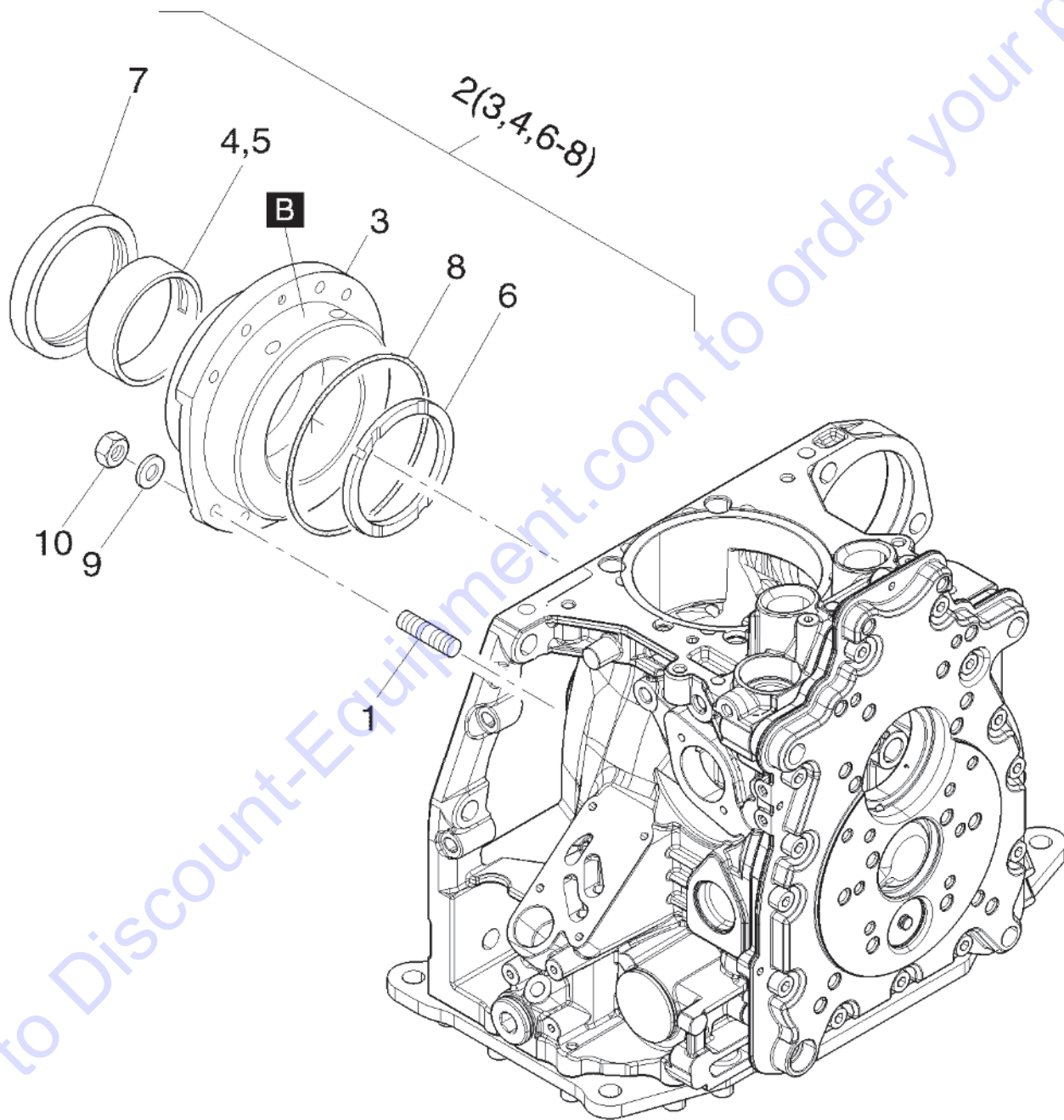
Engine type No. | **Engine series** | **Prod. year** | **Consecutively number**

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.

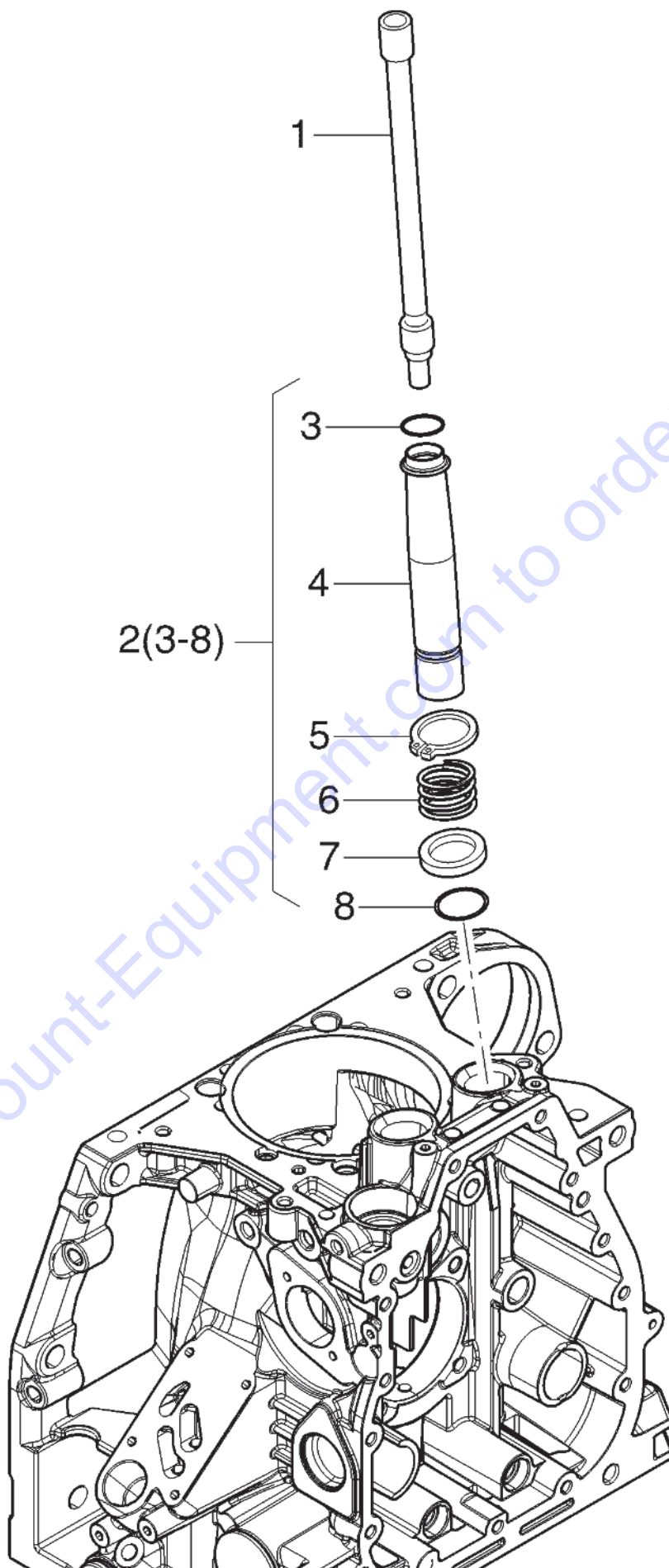
Lassen Sie Service-Arbeiten immer von qualifiziertem Fachpersonal durchführen. Wir empfehlen Ihnen hierfür eine von über 500 **HATZ-Servicestationen**. Dort wird Ihr Motor von laufend geschultem Personal, mit **Original HATZ-Ersatzteilen** und mit **HATZ-Werkzeug** instandgesetzt. Der Einbau von ungeeigneten 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.

Pos.	Description	Benennung	Page Seite
10	000001243402 Bearing flange 1 D 90 E.10	Lagerflansch 1 D 90 E.10	4
10	000001244201 Pushrod with tube 1 D 90 E.10	Stosstange und Schutz 1 D 90 E.10	6
10	000001244502 Oil relief valve 1 D 90 E.10	Ölüberdruckventil 1 D 90 E.10	8
10	000001331602 Piston and conrod 1 D 90 E.10	Kolben und Pleuelstange 1 D 90 E.10	10
10	000002074803 Crankcase 1D90E 1 D 90 E.10	Kurbelgehäuse 1D90E 1 D 90 E.10	12
10	000002084200 Fuel pressure pipe 1D90E 1 D 90 E.10	Kraftstoff Druckrohr 1D90E 1 D 90 E.10	16
10	000002084301 Air guide 1D90E 1 D 90 E.10	Luftführung 1D90E 1 D 90 E.10	18
10	000002296601 Fuel filter Kc 18 complete loose 1 D 90 E.10	Kraftstofffilter Kc 18 Kpl. Lose 1 D 90 E.10	20
10	000004344001 Camshaft 1D81/90 DOC 1 D 90 E.10	Nockenwelle 1D81/1D90 DOC 1 D 90 E.10	22
100	000002074200 Plug crankcase without balance 1 D 90 E.10	Stopfen Kg ohne Massenausgleich 1 D 90 E.10	24
110	000002074700 Closing Screw M10X1 1 D 90 E.10	Verschlusssschraube M10X1 1 D 90 E.10	26
120	000001129501 Flange exhaust pipe 1 D 90 E.10	Flansch für Abgasleitung 1 D 90 E.10	28
150	000002089901 Oil pressure switch 1,2-1,8 Bar 1 D 90 E.10	Öldruckschalter 1,2-1,8 Bar 1 D 90 E.10	30
162	000001193211 Electric wire 1 D 90 E.10	Kabel Öldruckschalter 1 D 90 E.10	32
200	000001241801 Crankshaft 1 D 90 E.10	Kurbelwelle 1 D 90 E.10	34
220	000002109900 Starting handle safety A 140mm 1 D 90 E.10	Sicherheitskurbel A 140Lg 1 D 90 E.10	36
230	000002075800 Oil sump 1D90E 1 D 90 E.10	Ölwanne Standard 1D90E 1 D 90 E.10	38
260	000002089700 Closing plugs for oil sump 1 D 90 E.10	Verschlusssschrauben Ölwanne 1 D 90 E.10	40
270	000002101400 Oel drain hose customer 1D90E 1 D 90 E.10	Ölablassschlauch Kunde 1D90E 1 D 90 E.10	42
280	000002086601 Alternator 12V 200W S/Z 1 D 90 E.10	Generator 12V 200W S/Z 1 D 90 E.10	44
285	000004009920 Parting sheet 1 D 90 E.10	Trennblech für Generator 1 D 90 E.10	46
286	000004080410 Cover for airduct housing 1 D 90 E.10	Blech für Luftführungsgehäuse 1 D 90 E.10	48
340	000002075900 Timing cover 1D90E 1 D 90 E.10	Steuerdeckel Standard 1D90E 1 D 90 E.10	50
360	000002076500 Dipstick 1 D 90 E.10	Tauchstab standard 1 D 90 E.10	52
390	000002090000 Guard 1 D 90 E.10	Beruehrschutz Zuluft 1 D 90 E.10	54
400	000001254001 Crank jaw left 1 D 90 E.10	Andrehklaue Links 1 D 90 E.10	56
410	000001474300 Cranking device 1 D 90 E.10	Mitnehmer zur Nockenwelle 1 D 90 E.10	58
420	000002073700 Flywheel+gear ring 1D90E 1 D 90 E.10	Schwungrad mit Zahnkranz 1D90E 1 D 90 E.10	60
430	000002095901 Cylinder head S/Z 1D90E 1 D 90 E.10	Zylinderkopf S/Z 1D90E 1 D 90 E.10	62
460	000002084103 Injection pump 1D90E 1 D 90 E.10	Einspritzpumpe 1D90E 1 D 90 E.10	66
480	000002097101 Temperature switch 12V/24 1 D 90 E.10	Temperaturschalter 12/24V 1 D 90 E.10	68
482	000001422000 Electric wire temperature switch 1 D 90 E.10	Kabel Temperaturschalter 1 D 90 E.10	70
495	000002088100 Lifting device S/Z tank 1 D 90 E.10	Aufzugvorrichtung S/Z Tank 1 D 90 E.10	72
500	000002089300 Cylinder cover Oil filling top 1 D 90 E.10	Deckel Zylinderkopf Öleinfüllung 1 D 90 E.10	74
510	000002088600 Closing plug M12X1,5 1 D 90 E.10	Verschlusssschraube M12X1,5 1 D 90 E.10	76
535	000002129800 Guiding shell Customer A 1 D 90 E.10	Führungshülse Kunde A 1 D 90 E.10	78
555	000002106102 Fuel Filter with pipe+Feed pump 1 D 90 E.10	Filter-Krst-1D90E + Förderpumpe 1 D 90 E.10	80
560	000050416800 All.Scr. M 6X 16 1 D 90 E.10	Zyl-Schr.M 6X 16 A3B DIN912-8.8Tuf-Flec 1 D 90 E.10	82
570	000002088901 Electric starter 12V 1 D 90 E.10	Starter 12V 1 D 90 E.10	84
572	000001193401 Electric wire starter 50 1 D 90 E.10	Kabel Starter 50 1 D 90 E.10	86
577	000001246600 Cooling air duct 1 D 90 E.10	Luftblech Schwungradseitig 1 D 90 E.10	88
585	000002608200 Engine harness 1 D 90 E.10	Verdrahtung Motor 1 D 90 E.10	90
590	000002087200 Maintenance indicator 1 D 90 E.10	Wartungsanzeiger 1 D 90 E.10	92
591	000050170600 All.Scr.M 6X 20 1 D 90 E.10	Zyl-Schr.M 6X 20 DIN912-8.8A3B(4762) 1 D 90 E.10	94
600	000002075000 Cap + Hose clip 1 D 90 E.10	Abdeckkappe mit Schelle 1 D 90 E.10	96
620	000002087300 Dry airfilter 1 D 90 E.10	Luftfilter Standard 1 D 90 E.10	98
665	000050633600 Temperatures sensor oil 1 D 90 E.10	Temperaturgeber Öl 1 D 90 E.10	100
717	000002618400 Wiring harness 1 D 90 E.10	Kabelstrang Ekp Ak Lose 1 D 90 E.10	102
720	000002608300 Cr-Control 4G 1 D 90 E.10	Steuergeraet E-Controls 4G 1 D 90 E.10	104
740	000002597900 Protection cap 1 D 90 E.10	Schutzkappe Kabelstrang 1 D 90 E.10	106
800	000002088201 Fuel tank 7L 1 D 90 E.10	Tank Kraftstoff 7L 1 D 90 E.10	108
820	000001432400 Strainer fuel tank 7-10L 1 D 90 E.10	Fuellsieb für Tank 7-10L 1 D 90 E.10	110
880	000001684520 Cover for airfilter 1 D 90 E.10	Deckel zum Luftfilter+Zyklon 1 D 90 E.10	112
945	000002129900 Fixing parts for starter exhaust 1 D 90 E.10	Befestigungsteile Abgasdämpfer 1 D 90 E.10	114
1000	000002103200 Hexagon nut for starter 1 D 90 E.10	Mutter Starter 1 D 90 E.10	116
1510	000002059600 Labels 1D30-1D90 DOC 1 D 90 E.10	Schilder 1D30-1D90 DOC 1 D 90 E.10	118
1520	000002104200 Sticker low sulfur fuel 1 D 90 E.10	Aufkleber Kraftstoff 1 D 90 E.10	120

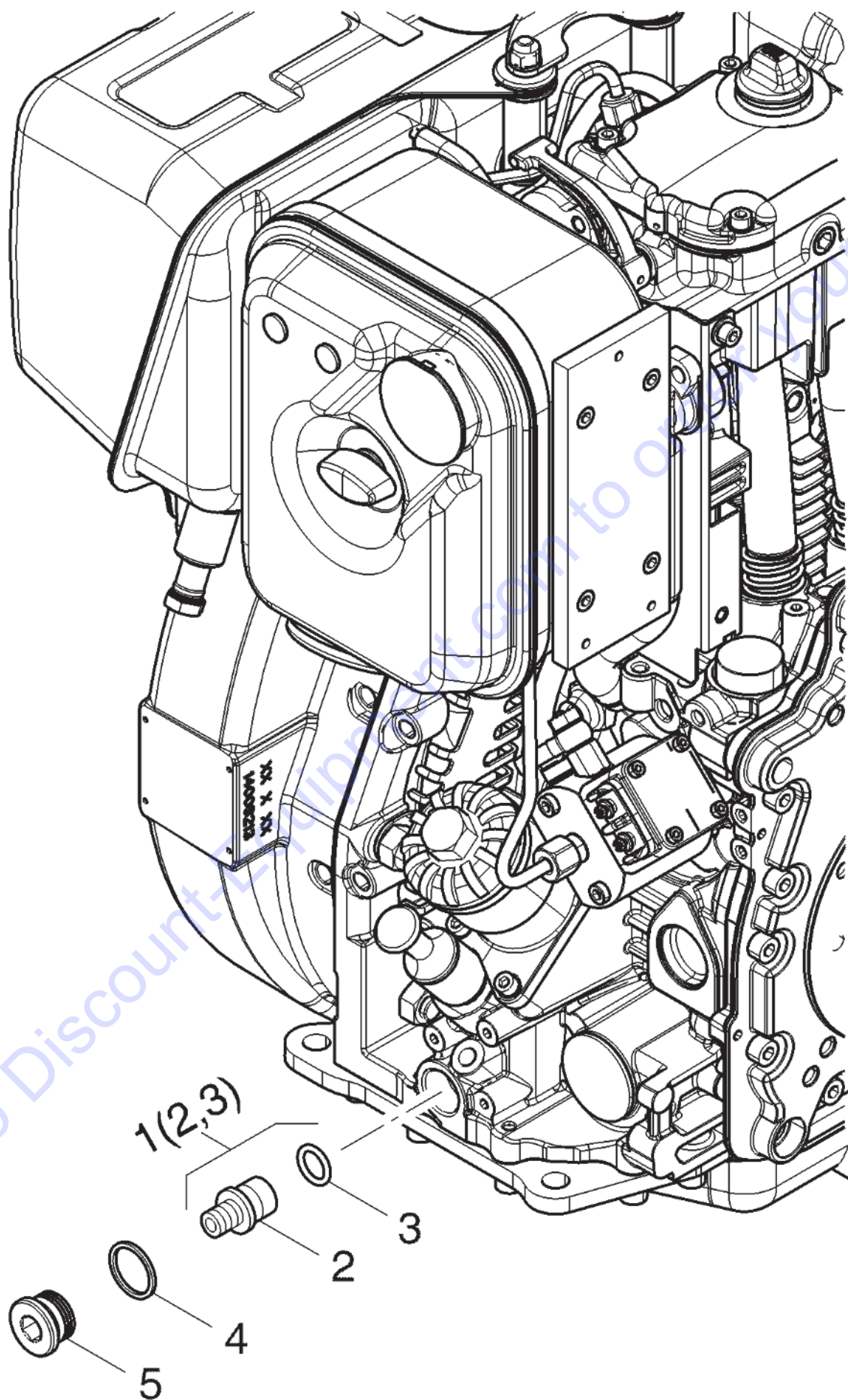


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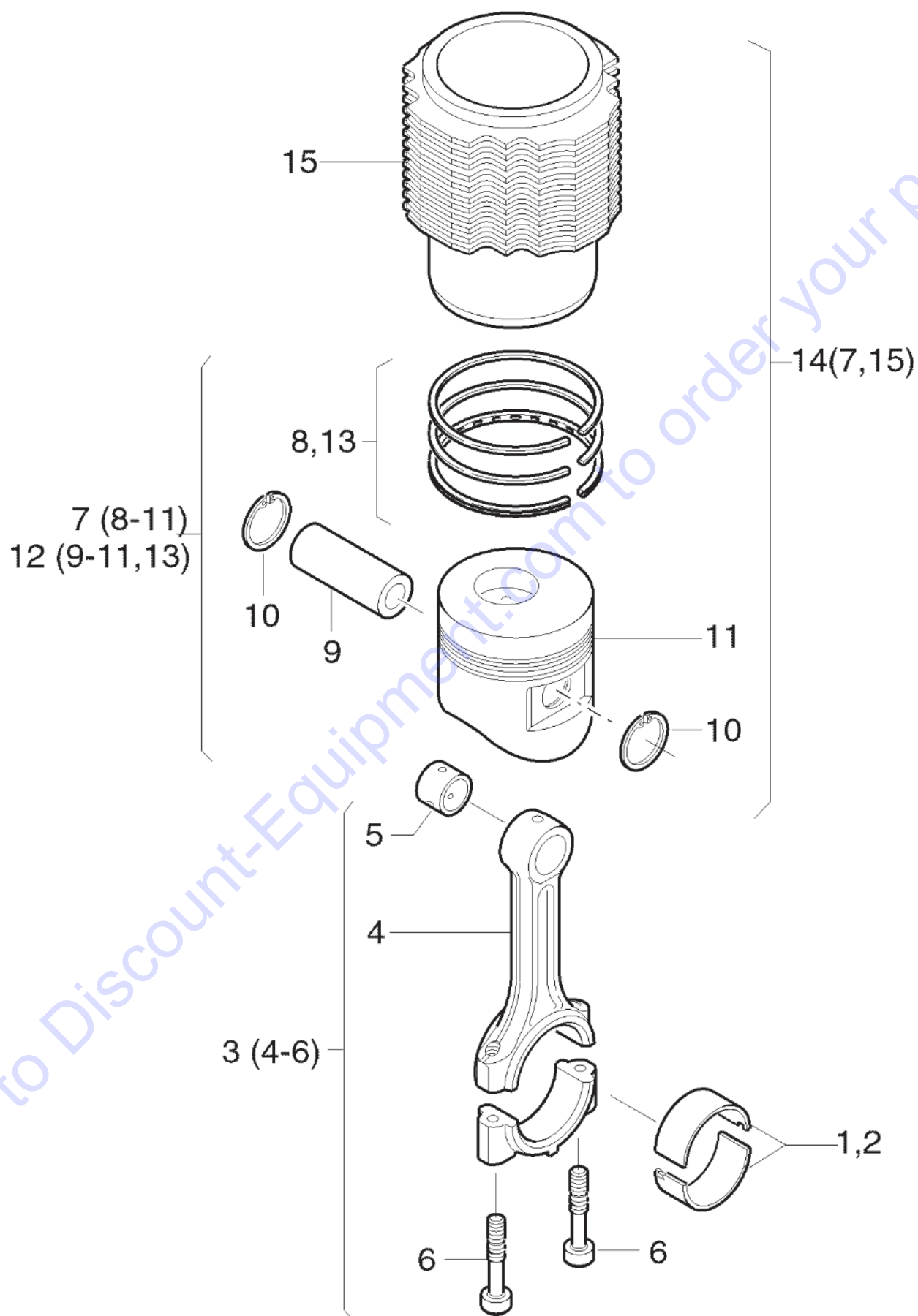
0010 000001244201 Pushrod with tube 1 D 90 E.10 | Stosstange und Schutz 1 D 90 E.10

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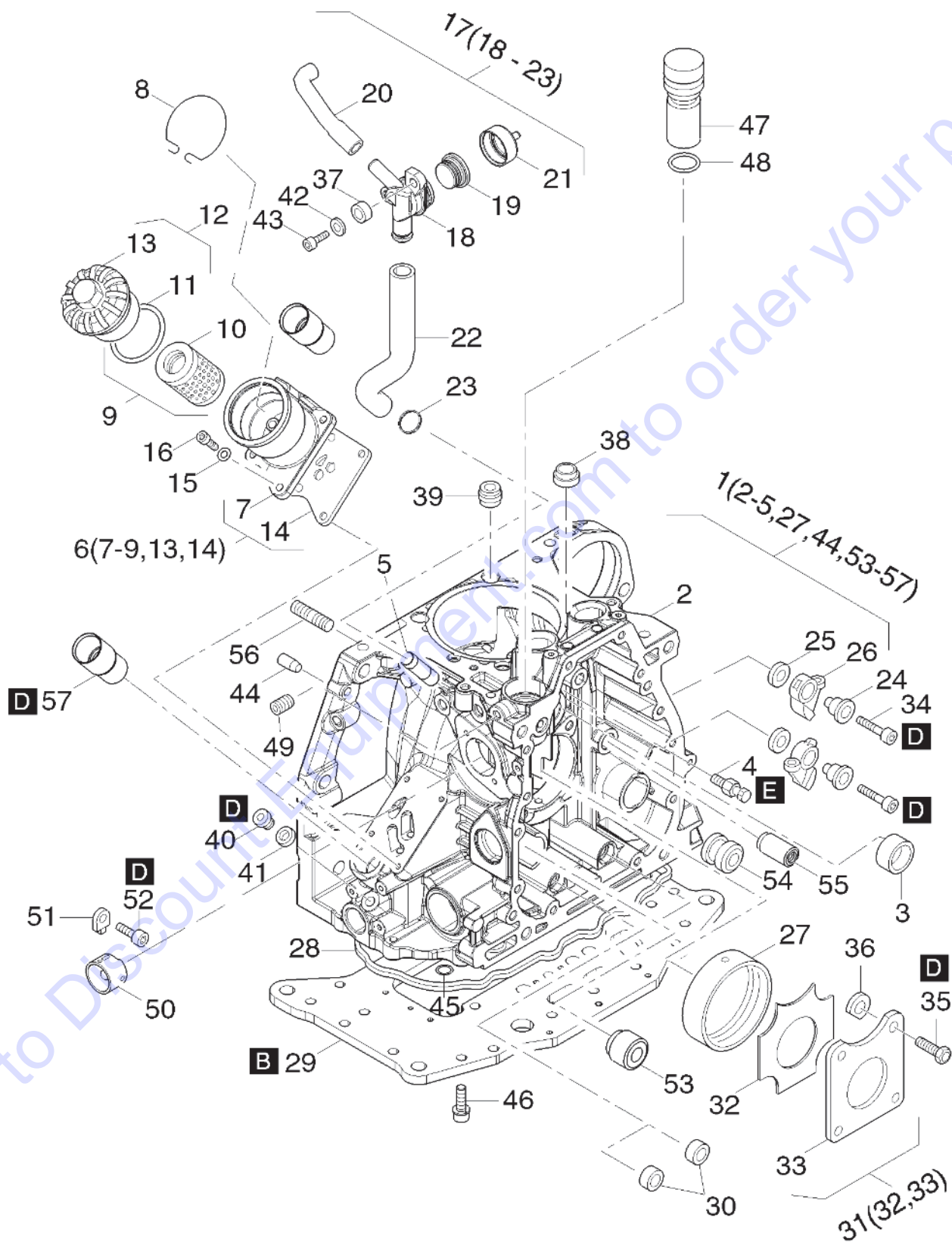
0010 000001244502 Oil relief valve 1 D 90 E.10 | Ölueberdruckventil 1 D 90 E.10

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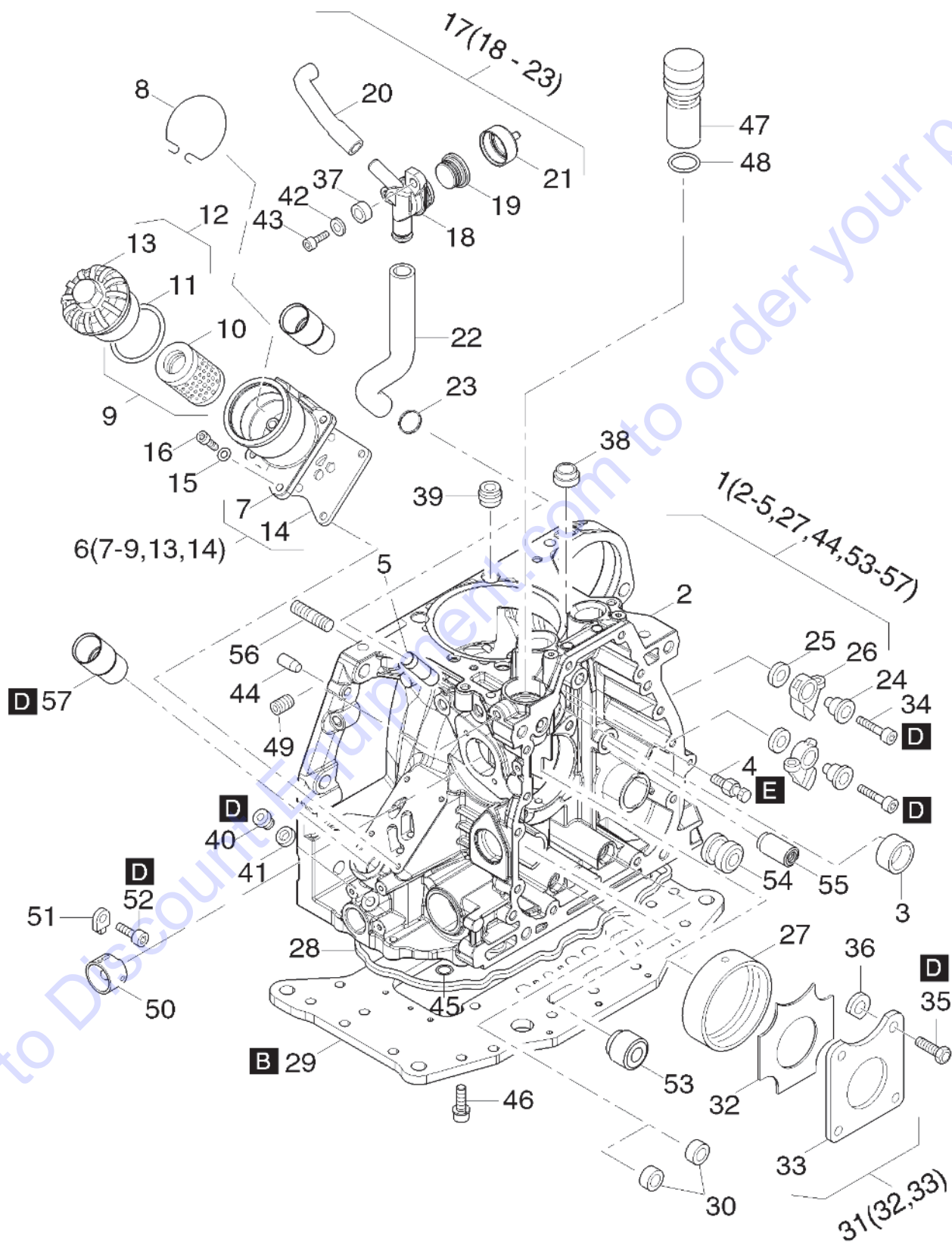
0010 000001331602 Piston and conrod 1 D 90 E.10 | Kolben und Pleuelstange 1 D 90 E.10

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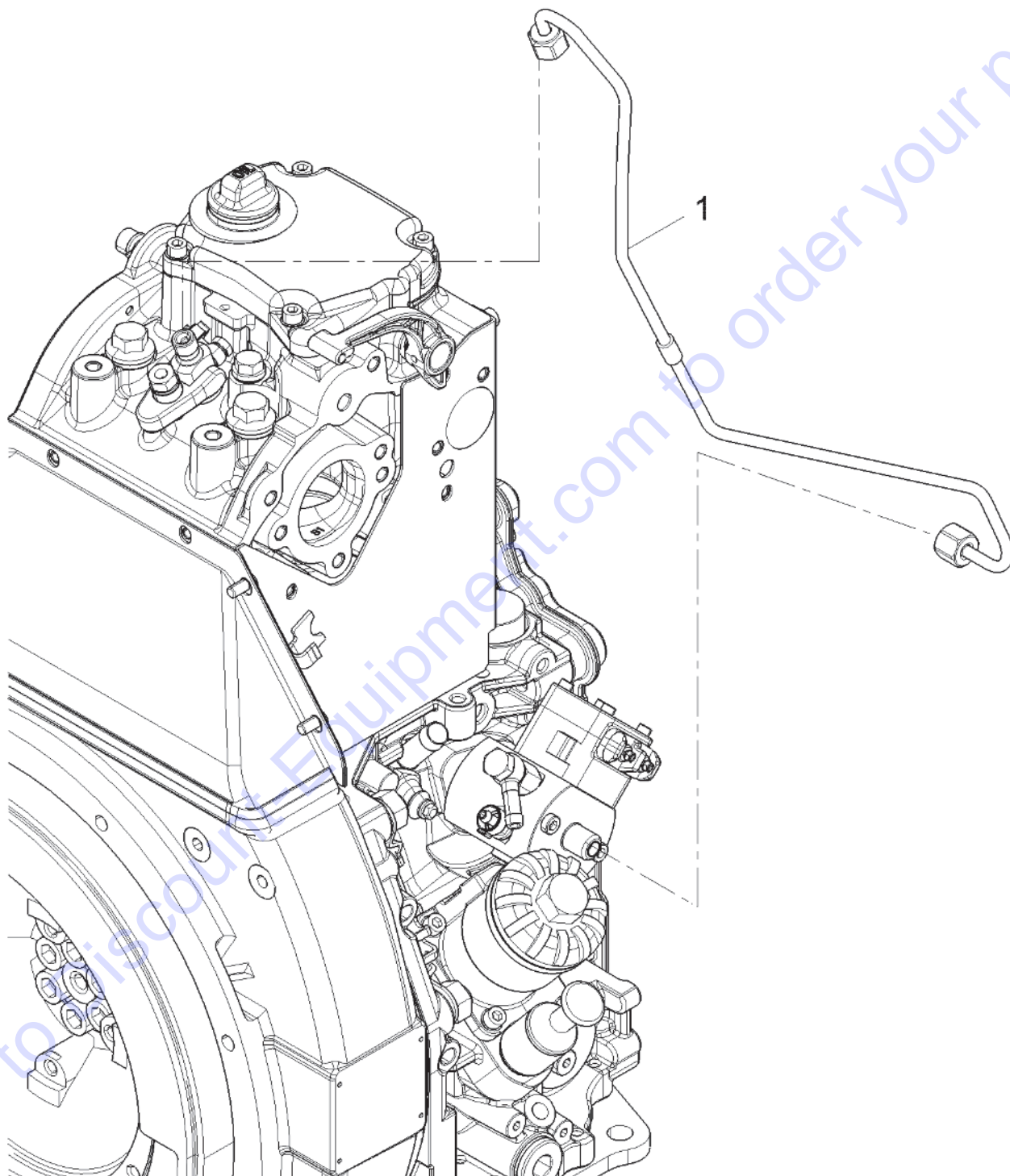
0010 000002074803 Crankcase 1D90E 1 D 90 E.10 | Kurbelgehäuse 1D90E 1 D 90 E.10

Pos.	Part no.	Description	Notice	Benennung	Notiz	Qty.	kg
1	000002145900	CRANKCASE 1D90E		KURBELGEHAEUSE 1D90E		1	12,712
2	_noorder	No single order		Nicht einzeln bestellbar		-	
3	000003793801	BEARING BUSH CAMSHAFT		LAGERBUCHSE Z NW		1	0,008
4	000003793900	SPRAYING TUBE		SPRITZDUESE Z NW		1	0,005
5	_noorder	No single order		Nicht einzeln bestellbar		-	
6	000002146000	OIL FILTER		OELFILTER KPL.		1	0,37
7	_noorder	No single order		Nicht einzeln bestellbar		-	
8	000004084001	LIFTING SPRING		ABDRUCKFEDER		1	0,001
9	000001480001	OILFILT.ELEM.1D.		OELFILTER 1D...		1	0,062
10	_noorder	No single order		Nicht einzeln bestellbar		-	
11	000050329200	RECTANG.RNG.50X55X3	50 x 55 x 3	RERI 50X55X3	50 x 55 x 3	1	0,002
12	000001248901	COVER F.OILFILTER		DECKEL SCHMIEROELF.		1	0,102
13	_noorder	No single order		Nicht einzeln bestellbar		-	
14	000005068900	GASKET		DICHTUNG FILTERGEH.		1	0,006
15	000050081200	SPRING WASHER A 6	A 6 DIN 137 - A3B	FEDERSCHEIBE A 6	A 6 DIN 137 - A3B	1... 5	0,001
16	000050170600	ALL.SCR.M 6X 20	M 6 x 20 DIN 912-8.8A3B	ZYL-SCHR.M 6X 20 DIN912-8.8A3B(4762)	M 6 x 20 DIN 912-8.8A3B	1... 5	0,007
17	000001317000	BREATHER VALVE		ENTLUEFTUNGSVENTIL		1	0,082
18	_noorder	No single order		Nicht einzeln bestellbar		-	
19	000003568701	DIAPHRAGM		MEMBRAN Z ENTL-V.		1	0,003
20	000004074800	BREATHER HOSE	FORM 1695	ENTL-SCHLAUCH OBEN	FORM 1695	1	0,01
21	000004080300	BREATHER CUP		KAPPE Z ENTL-V.		1	0,004
22	000004074700	BREATHER HOSE	FORM 1694	ENTL-SCHLAUCH UNTEN	FORM 1694	1	0,045
23	000004090500	CLAMP 18MM		DRAHTSCHLAUCHKLEMME		1	0,001
24	000003794201	CAM FOLLOW SPINDLE		ACHSE Z SCHLEPPHEB.		2	0,018
25	000003794100	WASHER	10,1 x 22 x 3	SCHEIBE Z SCHLEPPH.	10,1 x 22 x 3	2	0,006
26	000003794300	CAM FOLLOWER		SCHLEPPHEBEL 1D20		2	0,041
27	000003793710	MAIN BEARING CRANKSHAFT		HAUPTLAGER 1D81/90/90E STS		1	0,076
28	000003795100	O-RING265X269,4X3,6	265 x 269,4 x 3,6	RERI 265X269,4X3,6	265 x 269,4 x 3,6	1	0,013
29	000001248810	PLATE		BODENPLATTE		1	3,4
30	000003795800	O-RING 12X18,3X7,3	12 x 18,3 x 7,3	RERI 12X18,3X7,3	12 x 18,3 x 7,3	2	0,002
31	000002228000	THRUST PLATE		ANLAUFSCHIEBE KPL.		1	0,119
32	_noorder	No single order		Nicht einzeln bestellbar		-	
33	_noorder	No single order		Nicht einzeln bestellbar		-	
34	000050545501	ALL.SCR.M 6X 30	M 6 x 30 DIN 912-10.9 KL 360	ZYL-SCHR.M 6X 30 DIN 912.10.9KL360G	M 6 x 30 DIN 912-10.9 KL 360	2	0,009

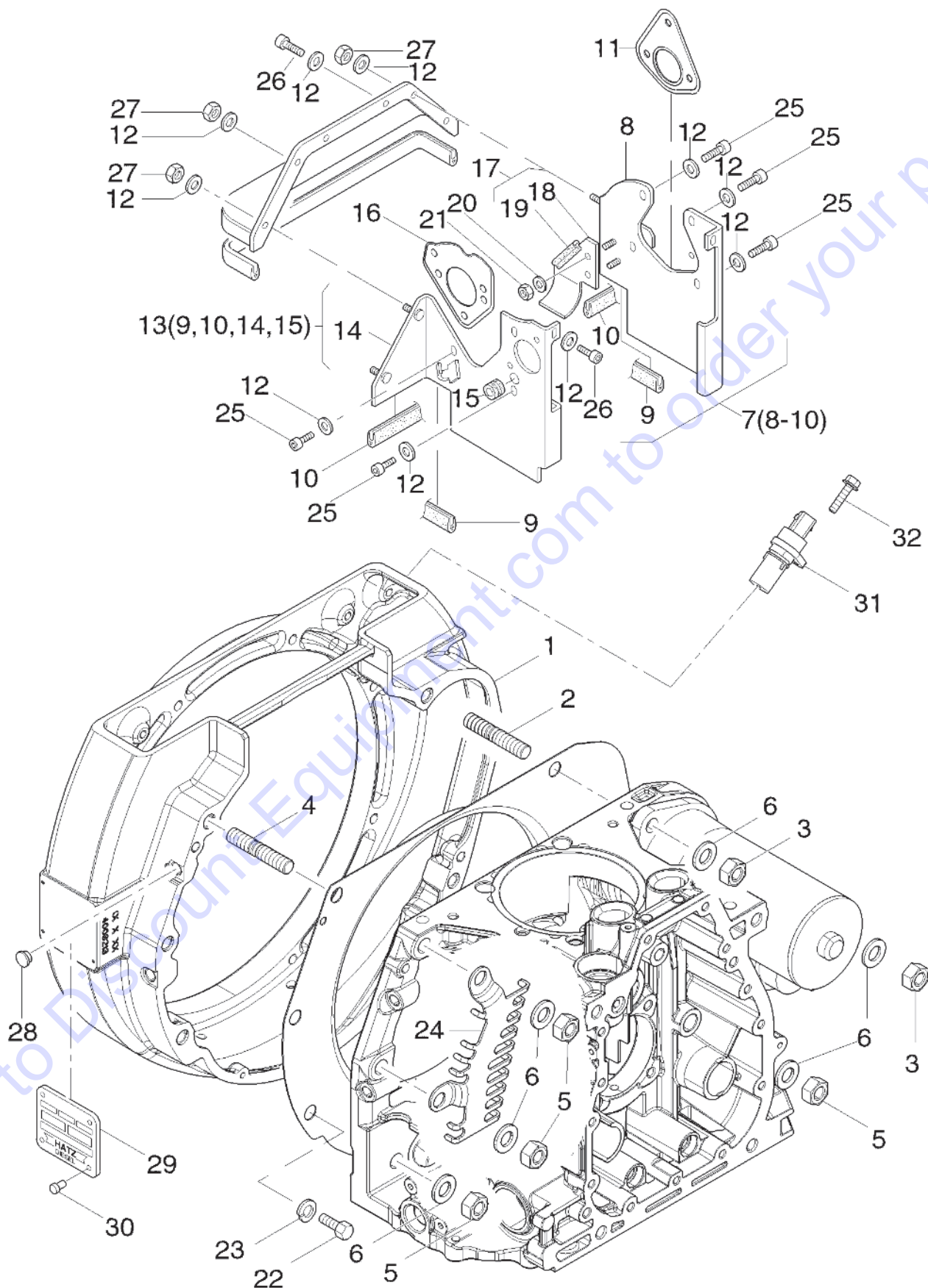


0010 000002074803 Crankcase 1D90E 1 D 90 E.10 | Kurbelgehäuse 1D90E 1 D 90 E.10

Pos.	Part no.	Description	Notice	Benennung	Notiz	Qty.	kg
35	000004062010	HEXSCREW M9 X 28	M 9 x28	SKT-SCHR.M 9X 28	M 9 x28	4	0,017
36	000004069400	SHIM 0,90	0,90 mm	AUSGL-SCH.0,90	0,90 mm	0... 4	0,001
36	000004069500	SHIM 1,05	1,05 mm	AUSGL-SCH.1,05	1,05 mm	0... 4	0,001
37	000004080501	BUSH	7 x 8 x 9	BUCHSE Z ENTL-V.	7 x 8 x 9	2	0,001
38	000004084500	SEALING RING		ABDICHTUNG		2	0,001
39	000050459802	SEALING CYL. SCREW		ABDICHTG ZYL-K-SCHR 709663 PKM 7064		2	0,002
40	000050062300	CLOS.SCREW M10X1	M 10 x 1 DIN 908-5.8 A3B	VERSCHLSCHR.M10X1	M 10 x 1 DIN 908-5.8 A3B	1	0,005
41	000050062400	JOINT A10 X13,5	A 10 x 13,5 DIN 7603-Cu	DICHTRG A10 X13,5	A 10 x 13,5 DIN 7603-Cu	1	0,001
42	000050081200	SPRING WASHER A 6	A 6 DIN 137 - A3B	FEDERSCHEIBE A 6	A 6 DIN 137 - A3B	2	0,001
43	000050170700	ALL.SCR.M 6 X 16	M 6 x 16 DIN 912-8.8A3B	ZYL-SCHR.M 6X 16 DIN912-8.8A3B(4762)	M 6 x 16 DIN 912-8.8A3B	2	0,006
44	000050249102	CYL.PIN 8M 6 X 20	8 M6 X 20 2FASEN	ZYL-STIFT 8 M6X20 2FASEN	8 M6 X 20 2FASEN	4	0,005
45	000050329000	O-RING 9,5X2,5	9,5 x 2,5	O-RING 9,5 X2,5	9,5 x 2,5	2	0,001
46	000050417600	ALL.SCR. M 8X25 Z4	M 8 X 25 Z4 DIN 912-8.8 A3B	ZYL-SCHR.M 8X 25 Z4 DIN912-8.8A3B/6900	M 8 X 25 Z4 DIN 912-8.8 A3B	22	0,015
47	000018816900	CYL.EXTR.FUEL DEVIC		ZYLINDER Z STARTF.		1	0,12
48	000050328900	O-RING 22X1,6	22 x 1,6	O-RING 22 X1,6	22 x 1,6	1	0,001
49	000050004600	GRUB SCREW M 8X16	M 8 X 16 DIN 916-45H A3B	GEW-STIFT M8X16A3B DIN916-45H(4020)	M 8 X 16 DIN 916-45H A3B	1	0,003
50	000050492902	ROLLER TAPPET		ROLLENSTOESSEL - D/LM		1	0,05
51	000004169200	GUIDE		FUEHRUNG Z ROLLENST		1	0,005
52	000050050700	ALL.SCR.M 6X 16	M 6 x 16 DIN 912-8.8	ZYL-SCHR.M 6X 16 DIN912-8.8(4762)	M 6 x 16 DIN 912-8.8	1	0,005
53	000003794000	PLUG	ø 22 mm	STOPFEN Z KG	ø 22 mm	1	0,021
54	000004000800	PLUG	ø 22 mm	STOPFEN Z KG	ø 22 mm	1	0,018
55	000004105000	PLUG 15MM	ø 15 mm	STOPFEN 15MM Z KG	ø 15 mm	1	0,087
56	000050602901	STUD M 8X 22	M 8 x 22 DIN 835-10.9 Precote 5 part was replaced by STUD M 8X 22 000050670700	STIFTSCHR.M 8X 22	M 8 x 22 DIN 835-10.9 Precote 5 Teil ist ersetzt durch STIFTSCHR.M 8X 22 000050670700	8	0,015
56	000050670700	STUD M 8X 22	DIN 835-10.9-PRECOTE 5	STIFTSCHR.M 8X 22	DIN 835-10.9-PRECOTE 5	8	0,014
57	000004079200	TUBE		ROHRSTUTZEN Z KG		1	0,013
B	000050223101	LOCTITE 574 50ML	50 ML 57447-50 ML	LOCTITE 574, ß 50 ml	50 ML 57447-50 ML	1	0,088
D	000070018918	Loctite 243, 50ml		Loctite Nr. 243 Sicherungsprodukt, 50ml		1	0,08
E	000050223400	LOCTITE 648		LOCTITE 648, ß 10 ml		1	0,021

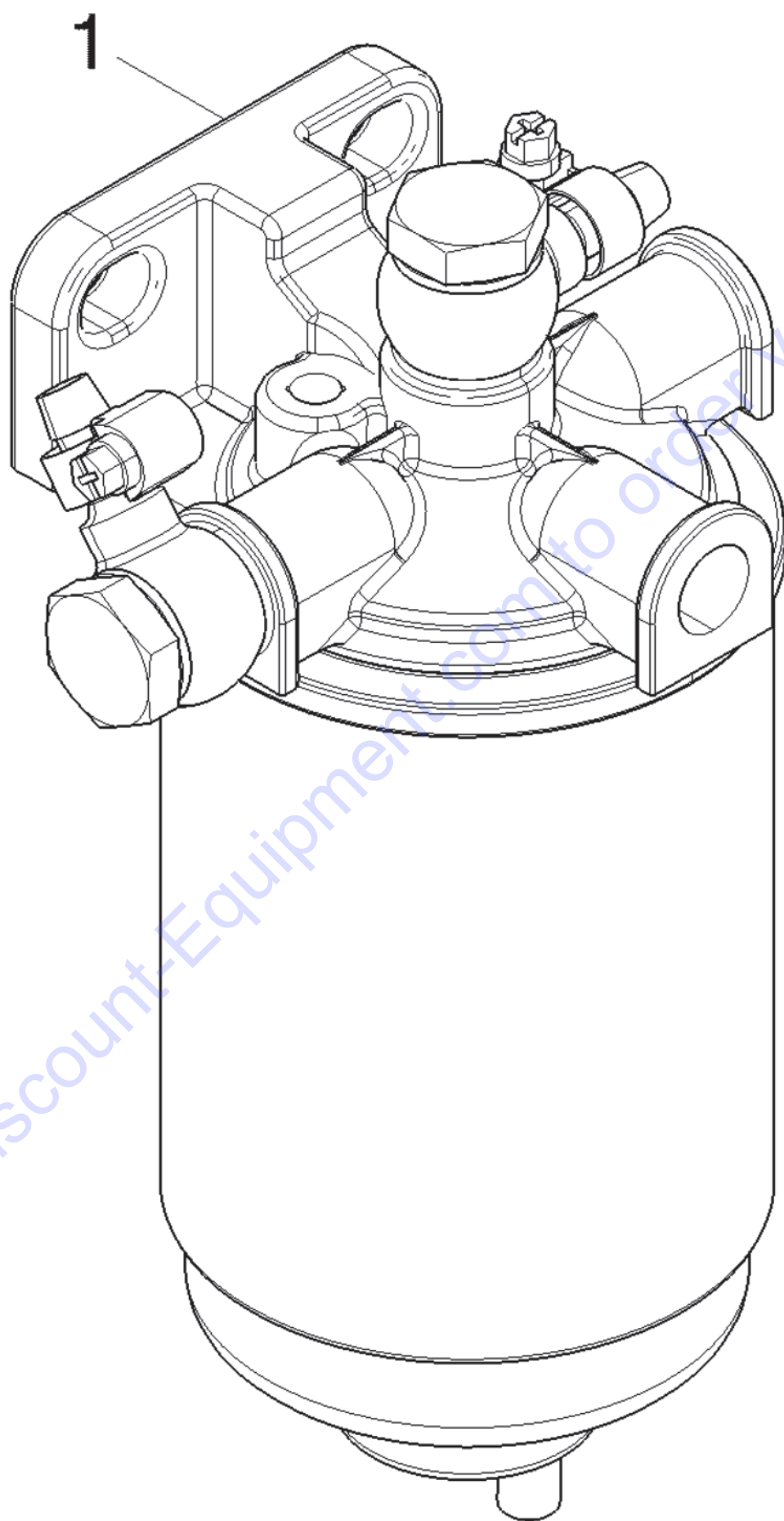


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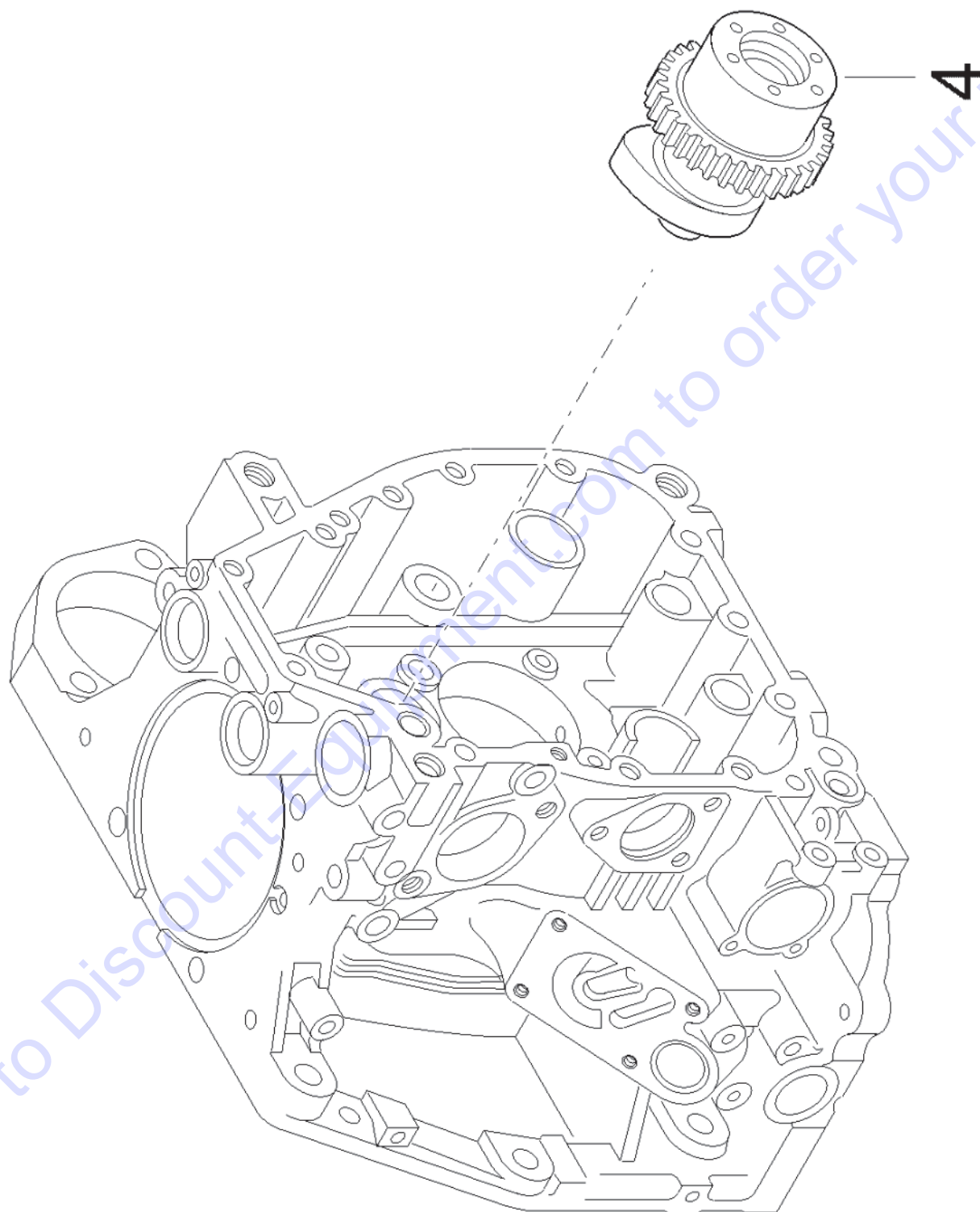


0010 000002084301 Air guide 1D90E 1 D 90 E.10 | Luftführung 1D90E 1 D 90 E.10

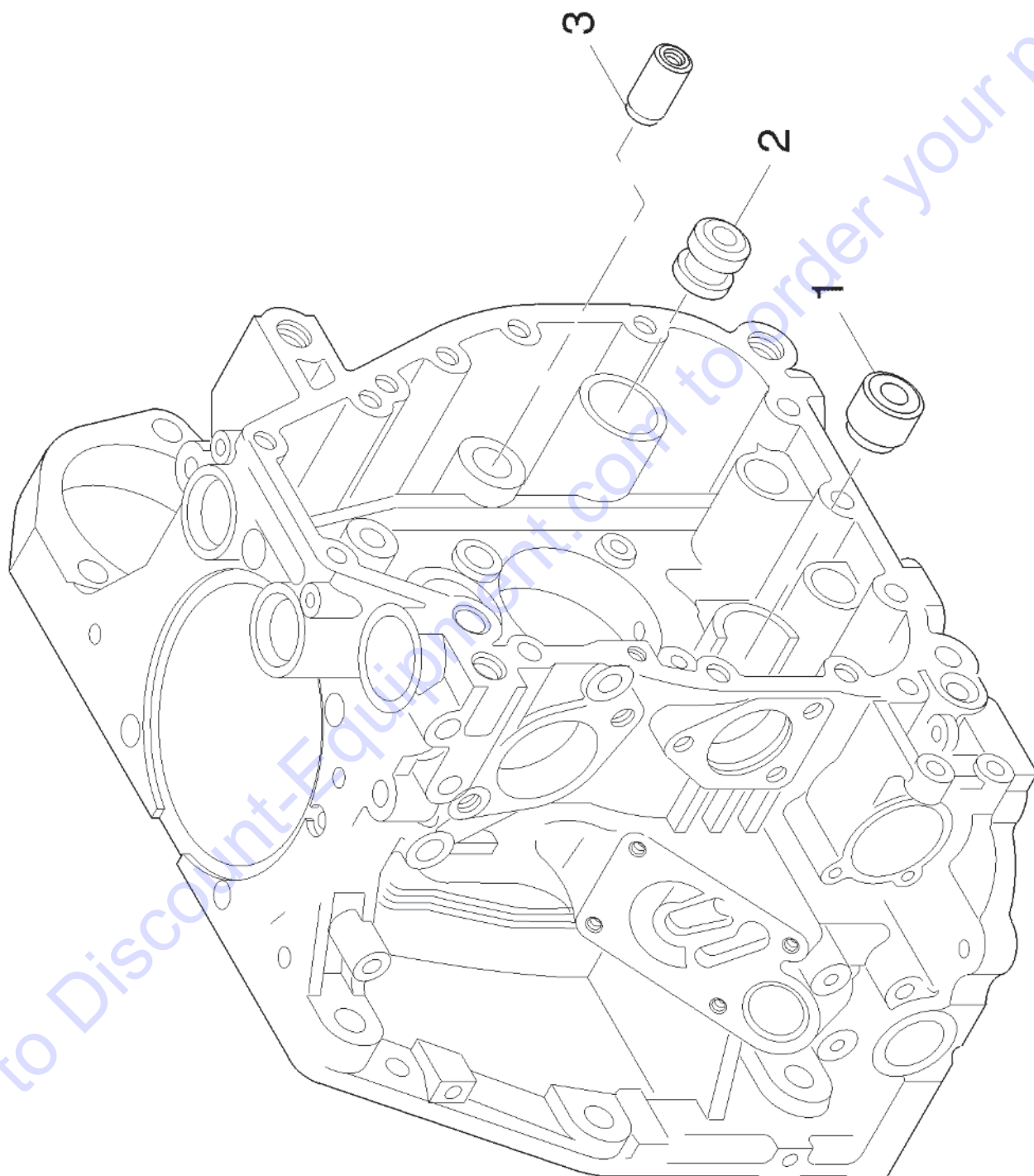
Pos.	Part no.	Description	Notice	Benennung	Notiz	Qty.	kg
1	000004357201	INTERMED.HOUS.SAE 5 1D90E		ANSCHLUSSGEHAEUSE SAE5 1D90E		1	3,339
2	000050486400	STUD M12X 50	M 12 x 50FO DIN 835-8.8 A3B	STIFTSCHR.M12X 50FO	M 12 x 50FO DIN 835-8.8 A3B	2	0,066
3	000050380600	HEXAGON NUT M 12	M12 DIN 970-8 A3B	SKT-MUTTER M12	M12 DIN 970-8 A3B	2	0,014
4	000050475000	STUD M12FO X40	M 12 x 40 DIN 835-8.8 A3B	STIFTSCHR.M12FO X40	M 12 x 40 DIN 835-8.8 A3B	4	0,046
5	000050093600	HEXAGON NUT M 12	M12 DIN 934-8 A3B	SKT-MUTTER M12	M12 DIN 934-8 A3B	4	0,017
6	000050093700	FLAT WASHER A 13	13 DIN 125-St A3B	SCHEIBE A 13	13 DIN 125-St A3B	6	0,006
7	000001246413	COOLING AIR DUCT.		LUFTF-BL.ABGAS-S. S		1	0,522
8	_noorder	No single order		Nicht einzeln bestellbar		-	
9	000004007601	SEALING STRIP32,2MM	35 mm	DICHTLEISTE 35 LG	35 mm	2	0,002
10	000004007720	SEALING STRIP 76MM	76 mm	DICHTLEISTE 76 LG	76 mm	2	0,005
11	000004125601	SEALING PLATE		DICHTUNGSBL.ABGAS-S		1	0,015
12	000050390701	CON.SPR.WASHER 6	6 DIN 6796 - 6 - FST ZN	SPANNSCHEIBE 6	6 DIN 6796 - 6 - FST ZN	15	0,001
13	000001246223	COOLING AIR DUCT.		LUFTF-BL.ANSAUGS. S		1	0,438
14	_noorder	No single order		Nicht einzeln bestellbar		-	
15	000050334800	RUBBER SLEEVE		MEMBRANTUELLE I 5/10/15X1,5		1	0,001
16	000004125700	SEALING PLATE		DICHTUNGSBL.ANSAUGS		1	0,022
17	000001268010	COOLING AIR DUCT		LUFTF-BLECH SCHWS		1	0,075
18	_noorder	No single order		Nicht einzeln bestellbar		-	
19	000004038800	SEALING STRIP 94MM	94 mm	DICHTLEISTE	94 mm	1	0,015
20	000050120000	DISC A 6,4	A 6,4 DIN 9021-St A3B	SCHEIBE A 6,4	A 6,4 DIN 9021-St A3B	2	0,003
21	000050328300	HEXAGON NUT VM6	VM 6 DIN 980-8 A3B	SKT-MUTTER VM 6	VM 6 DIN 980-8 A3B	2	0,002
22	000050177100	HEXSCREW M 6X 16	M 6 x 16 DIN 933-8.8 A3B	SKT-SCHR.M 6X 16	M 6 x 16 DIN 933-8.8 A3B	2	0,005
23	000050170900	SPRING WASHER 6	6 DIN 128 - A3B	FEDERRING 6	6 DIN 128 - A3B	2	0,001
24	000005032800	GUARD		BERUEHRUNGSSCHUTZ O		1	0,081
25	000050528100	ALL.SCR. M 6X 16	M 6 x 16 DIN 912-8.8 A3B	ZYL-SCHR.M 6X 16 8.8-A3B-KLR-6912	M6x16DIN6912-8.8A3B KL360G	7	0,002
26	000050416800	ALL.SCR. M 6X 16	M 6 x 16 DIN 912 - 8.8 A3B Tuf	ZYL-SCHR.M 6X 16 A3B DIN912-8.8TUF-FLEC	M 6 x 16 DIN 912 - 8.8 A3B Tuf.	4	0,005
27	000050144400	HEXAGON NUT M 6	M 6 DIN 934 - 8 A3B	SKT-MUTTER M 6	M 6 DIN 934 - 8 A3B	4	0,002
28	000050545800	CLOSING PLUG 10MM	10,5	VERSCHLSTOPFEN GPN	10,5	2	0,001
29	_noorder	No single order		Nicht einzeln bestellbar		-	
30	000040002500	RIVET 2,4 X 6	2,4	BLINDNIET 2,4 X 6	2,4	4	0,001
31	000050633500	ROTAT.SPEED SENSOR DG6-S		DREHZAHLEBER SCHWUNGRAD DG6-S		1	0,024
32	000050661500	HEXSCREW M 6X 25 with flange	M 6X 25 DIN 6921-8.8A2B	SKT-SCHR MIT FLANSCH M 6X 25	M 6X 25 DIN 6921-8.8A2B	1	0,01



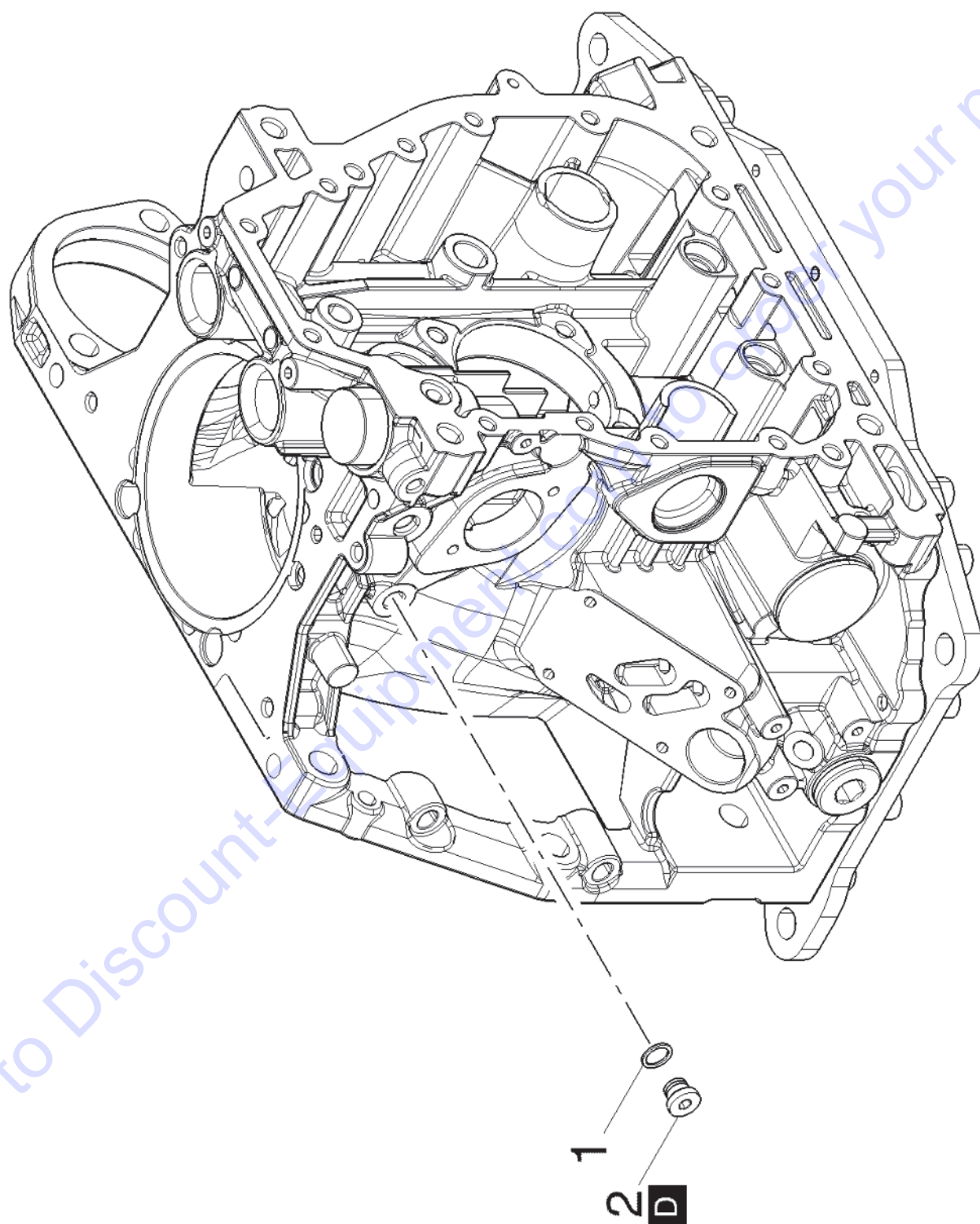
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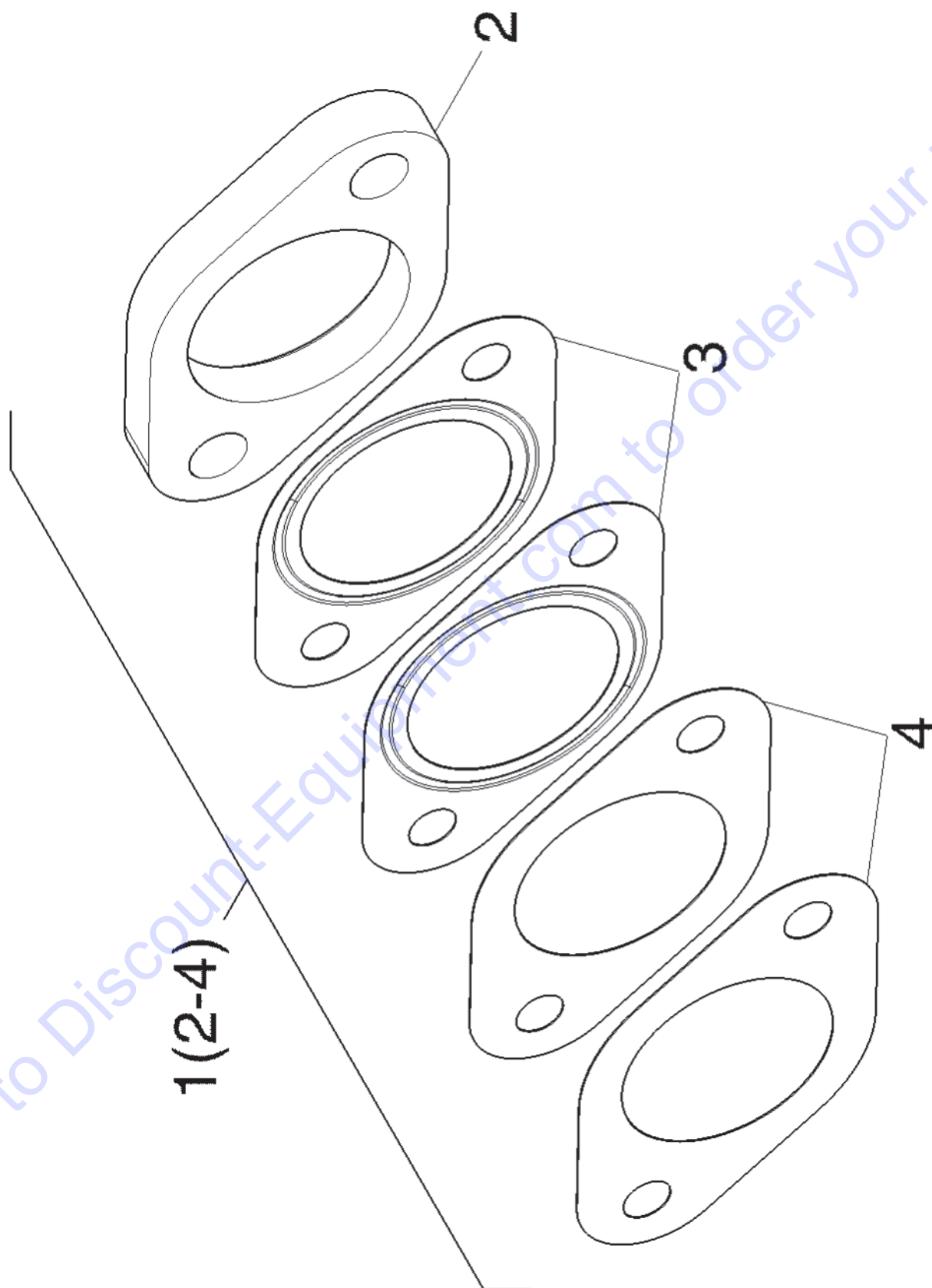
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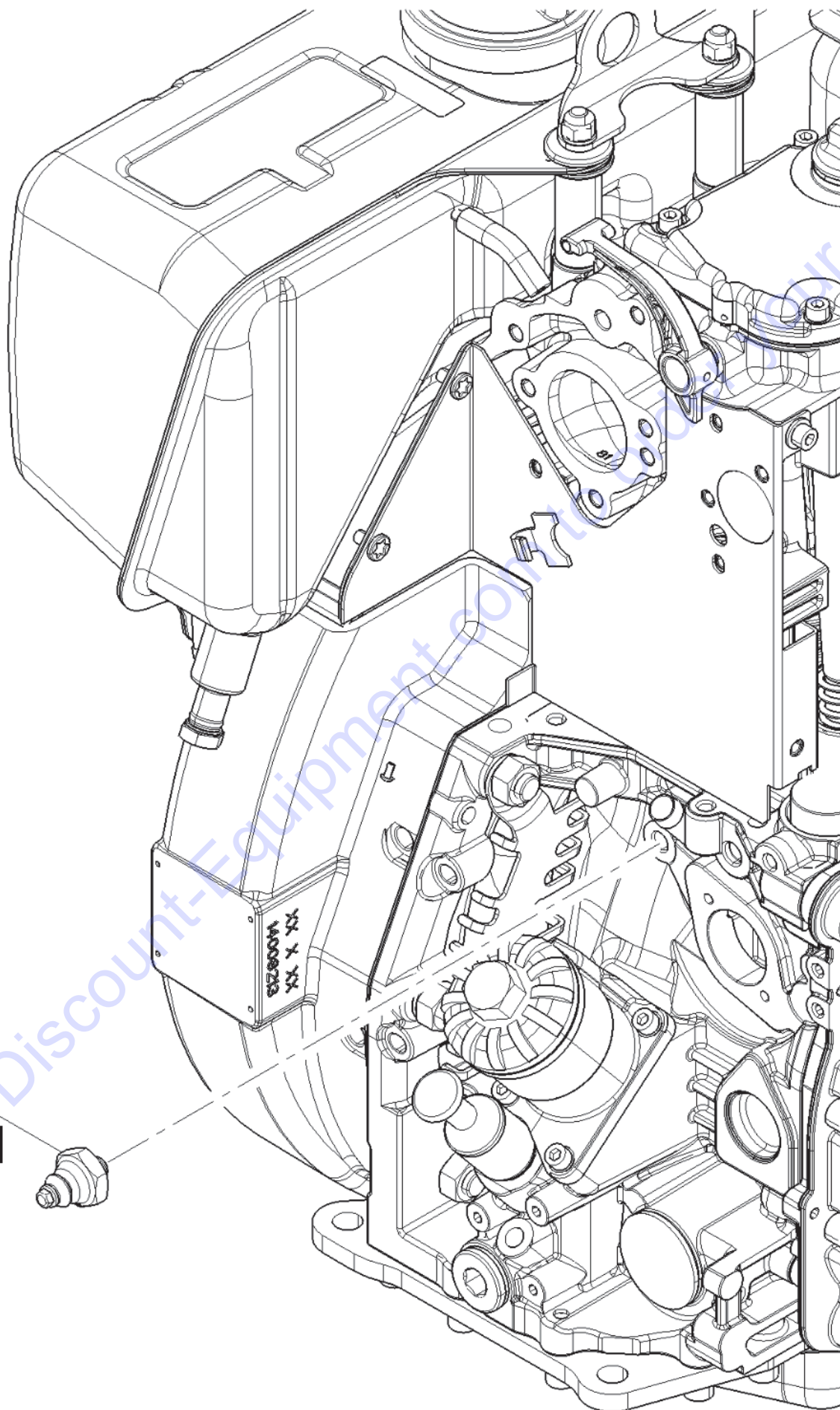


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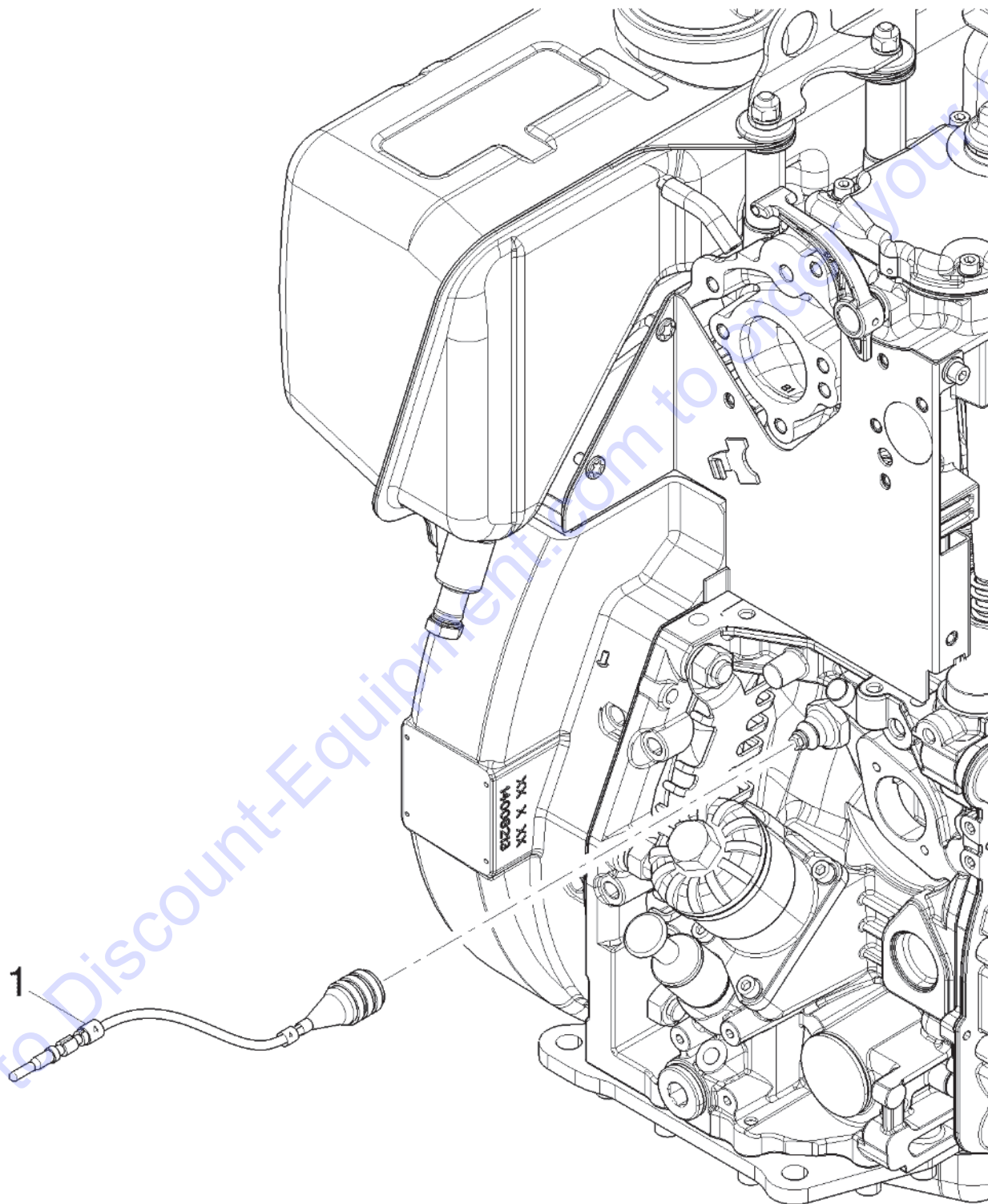


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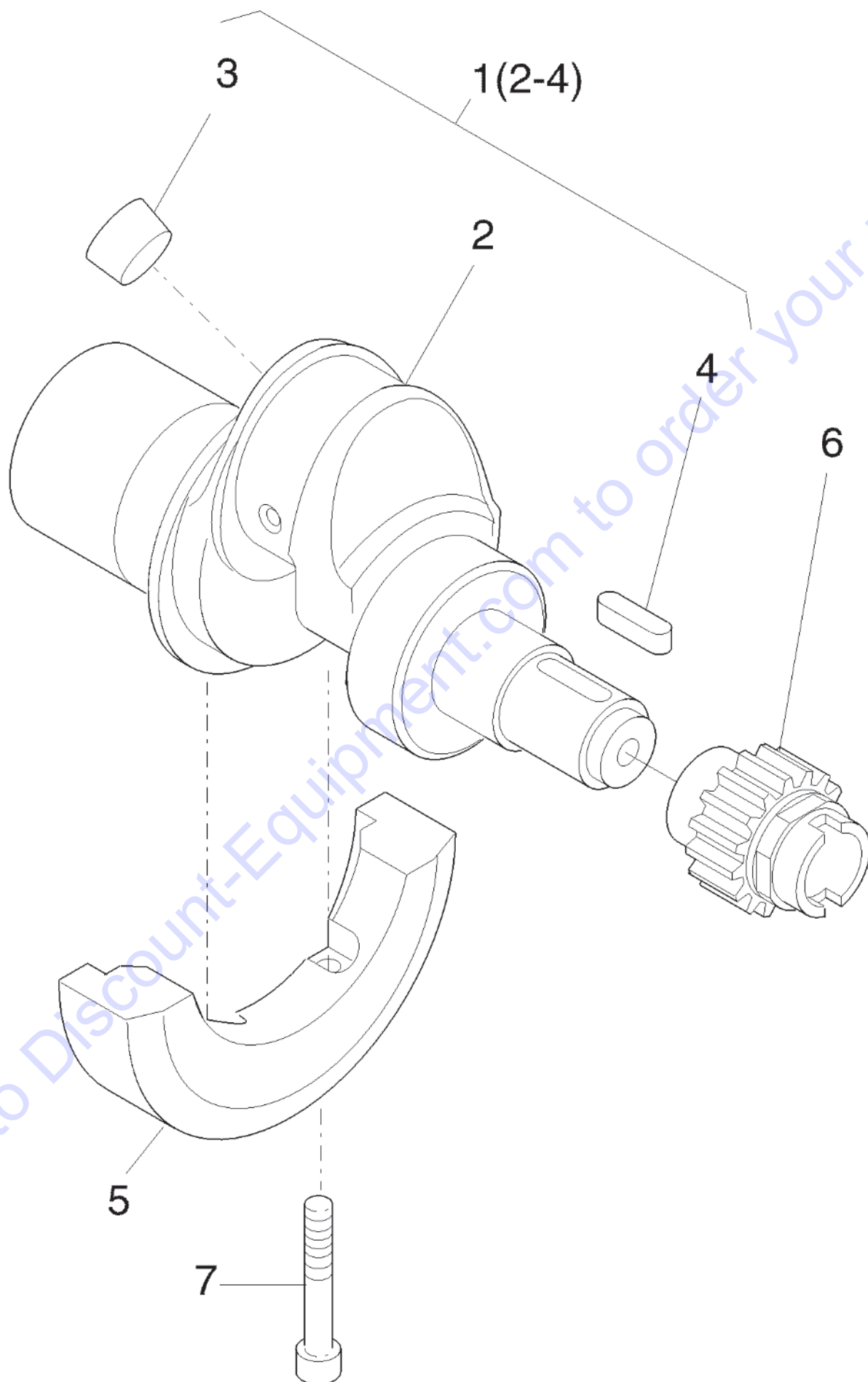
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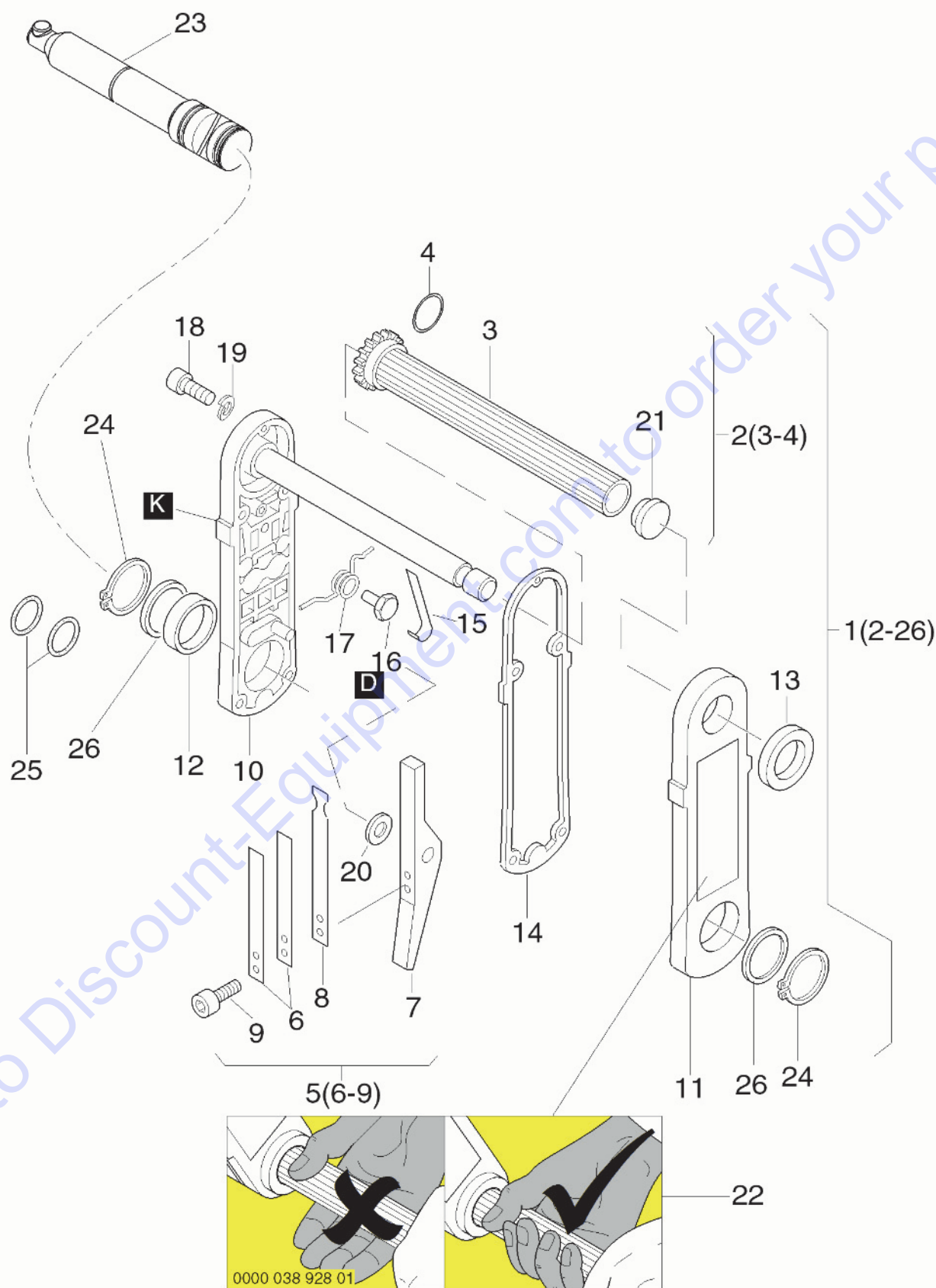


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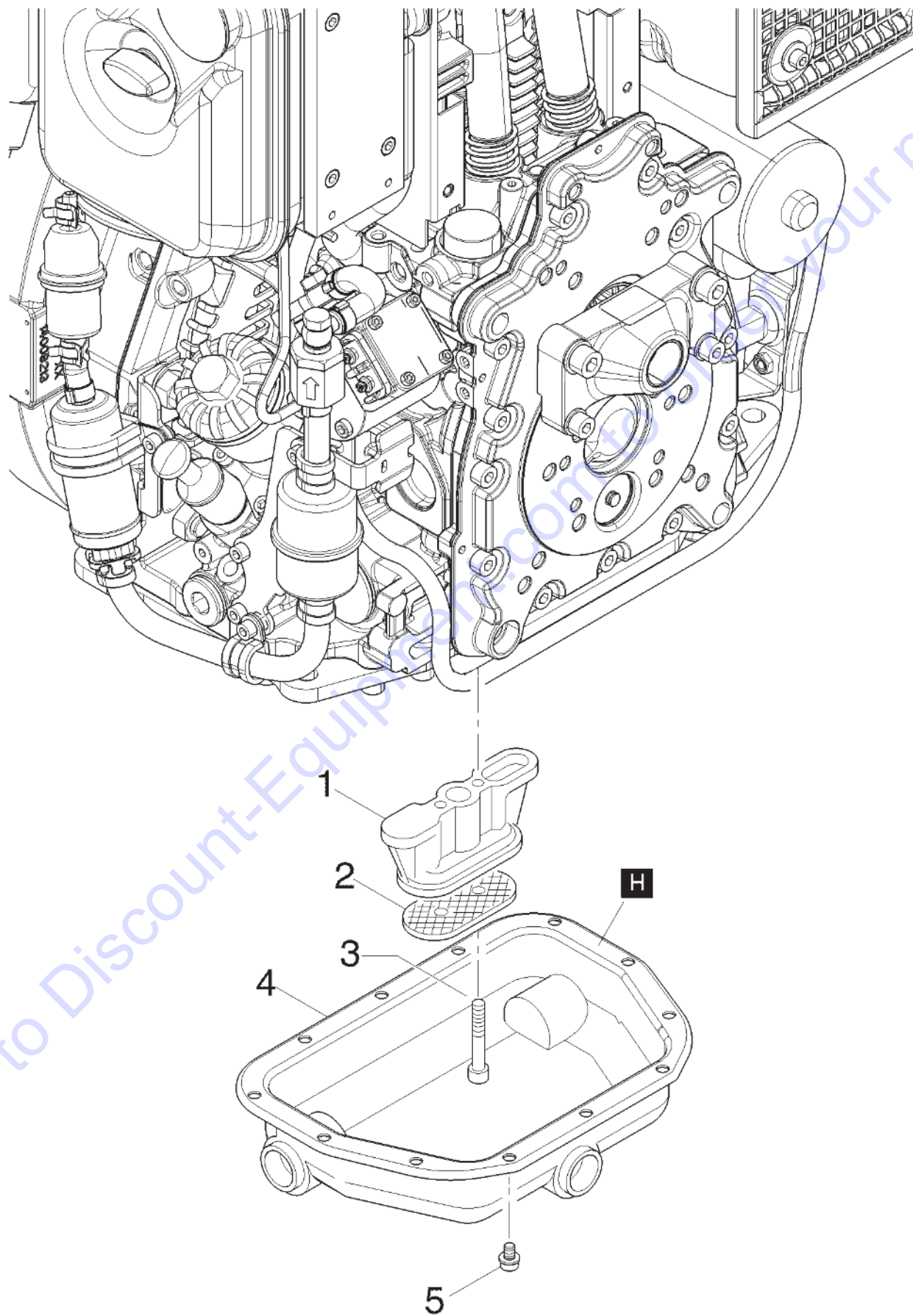
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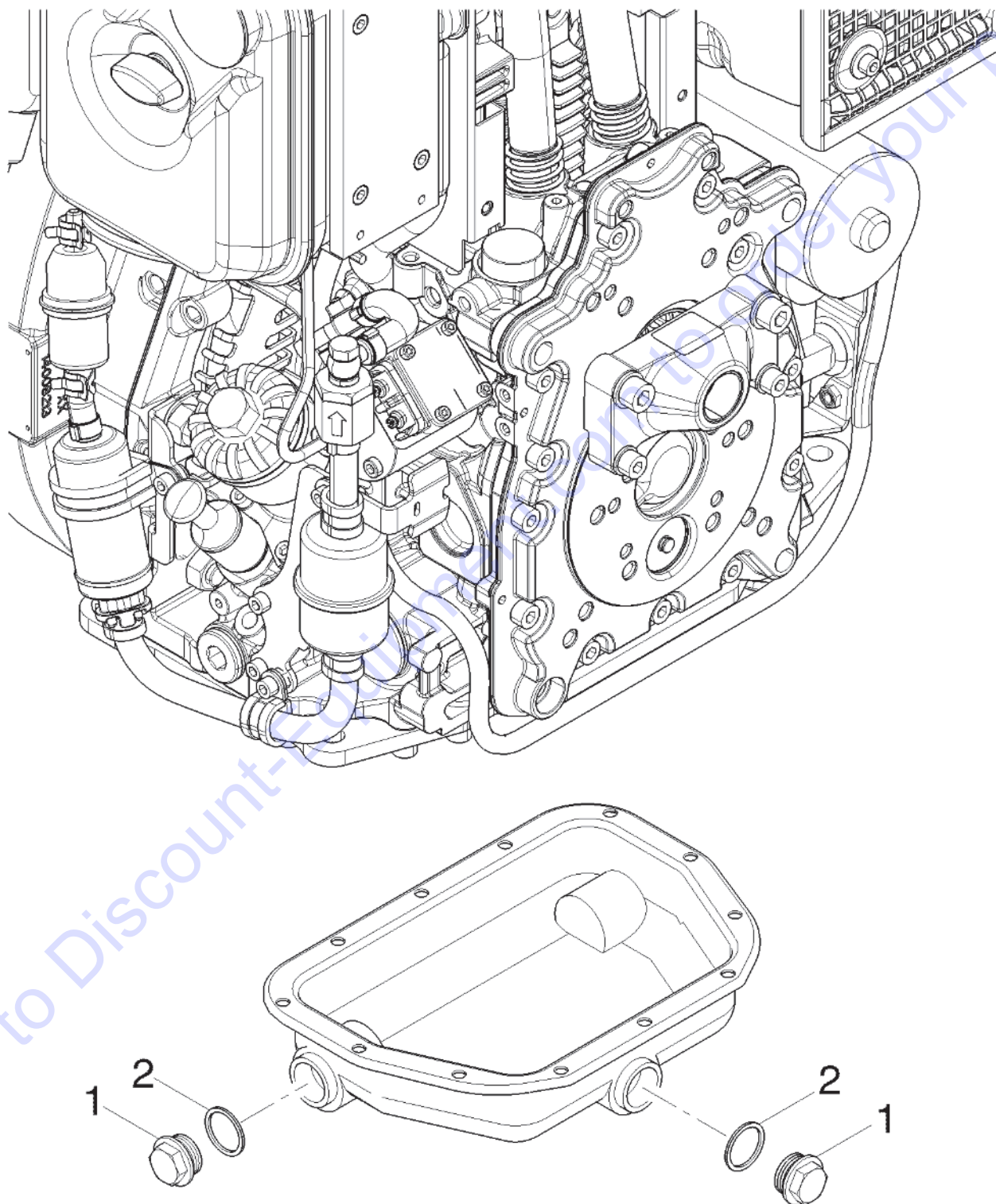


0220 000002109900 Starting handle safety A 140mm 1 D 90 E.10 | Sicherheitskurbel A 140Lg 1 D 90 E.10

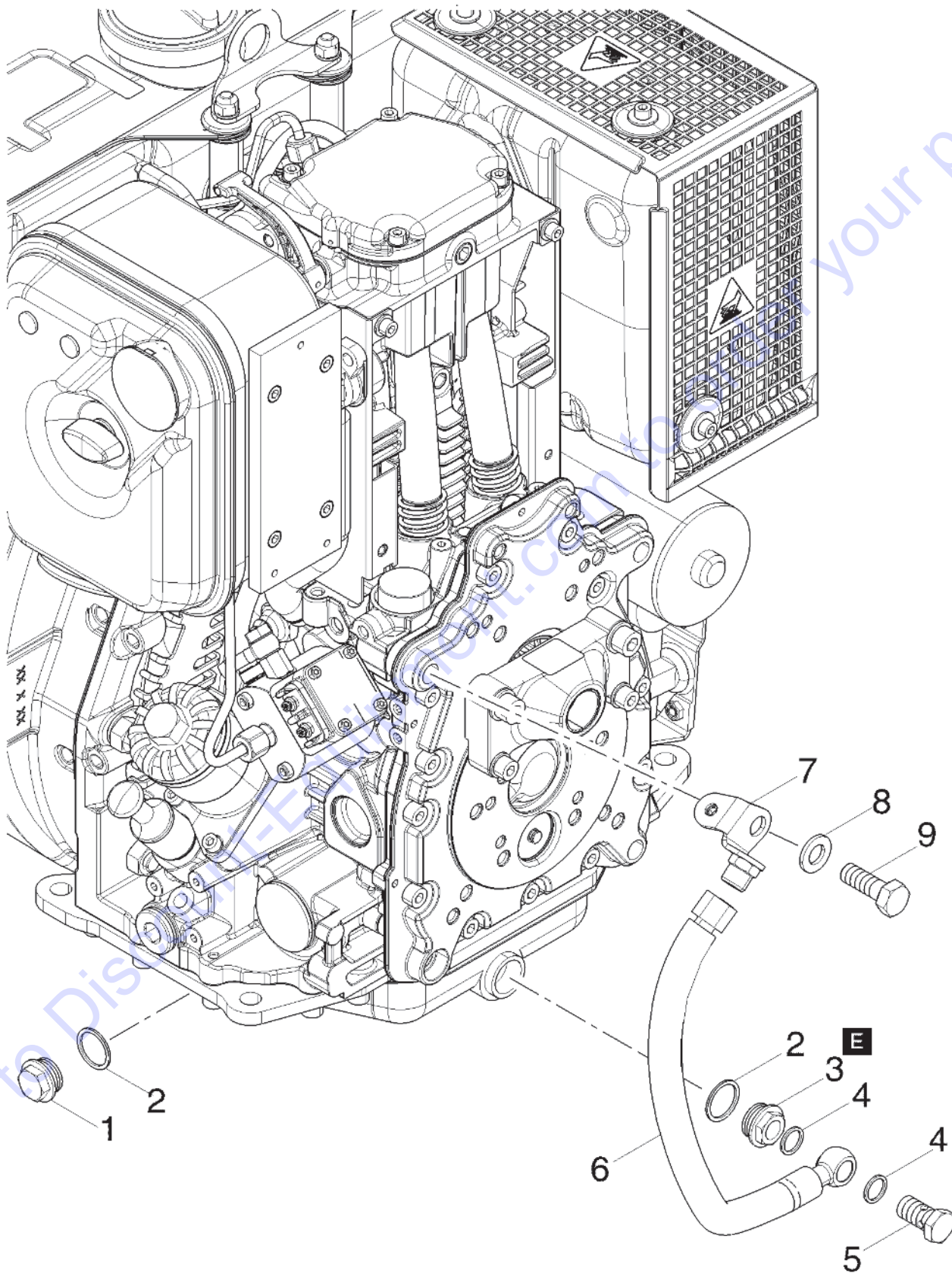
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1	000001810700	CR.HANDLE-SAFETY A 140MM		SICH-KURBEL A 140LG		1	2,032
2	000001011310	HANDLE CPL.		GRIFFROHR KPL		-	0,100
3	_noorder	No single order		Nicht einzeln bestellbar		1	
4	000050169100	O-RING19 X 1,8	19 x 1,8	O-RING 19 X1,8		1	0,001
5	000001011404	LEVER		HEBEL Z SICH-KURBEL		1	0,125
6	000003812102	PLATE SPRING		BLATTFEDER		1	0,007
7	_noorder	No single order		Nicht einzeln bestellbar		2	
8	000003917100	PLATE SPRING		BLATTFEDER		1	0,006
9	000050316500	ALL.SCREW M 5X 8	M 5 X 8 DIN 6912-8.8 A3B	ZYL-SCHR.M 5X 8A3B DIN 6912-8.8			0,002
10	000001011510	HOUSING A F.CRANKH.		KURBELARM KPL. A			0,75
11	000003813410	COVER A		DECKEL A Z SICH-K.			0,297
12	000050193401	BUSH		GLEITLAGER 30X34X10			0,014
13	000050194200	OIL SEAL 28X35X4	28 x 35 x 4	WELLENDICHTRING 28X 35X 4			0,004
14	000003813000	GASKET		DICHTUNG Z SICH-K.			0,001
15	000003954900	PLATE SPRING		BLATTFEDER			0,005
16	000003955600	HEXSCREW		SKT-SCHR.Z SICH-K.			0,003
17	000003955900	SPRING A	A	SCHENKELFEDER A			0,002
18	000050236600	ALL SCR.M 6X 25	M 6 x 25 DIN 6912-8.8 A3B	ZYL-SCHR.M 6X 25A3B DIN 6912-8.8			0,006
19	000050170900	SPRING WASHER 6	6 DIN 128 - A3B	FEDERRING 6			0,001
20	000050195800	SHIM 10X16X1,0	10 x 16 x 0,5 DIN 988	PASSSCHEIBE10X16X0,5			0,001
21	000050199200	CLOSING PLUG	V18 NATUR	VERSCHLSTOPFEN V 18			0,002
22	000003892801	STICKER LABEL		AUFKLEBER F SICH-K.			0,006
23	000001426802	CR-HANDLE SHAFT 140	140 mm	ANDREHWELLE 140 KPL			0,585
24	000050194300	CIRCLIP AK 30 X 1,5	A 30 x 1,5 K DIN 983	SICH-RING AK30X1,5			0,003
25	000050258500	O-RING 26 X1,5	26 x 1,5	O-RING 26 X1,5			0,001
26	000003928610	SHIM 30X38X0,10	30 x 38 x 0,10	PASSSCHEIBE 30X38X0,10			0,001
D	000070018918	Loctite 243, 50ml		Loctite Nr. 243 Sicherungsprodukt, 50ml			0,08
K	000050342600	GREASE START.DEVICE	100 GRAMM part was replaced by GREAS.STRT.DEV.400G 000050342601	FETT Z. ANDREHVORR.			0,1
K	000050342601	GREAS.STRT.DEV.400G	400 GRAMM	FETT Z ANDREHV.400G			0,4



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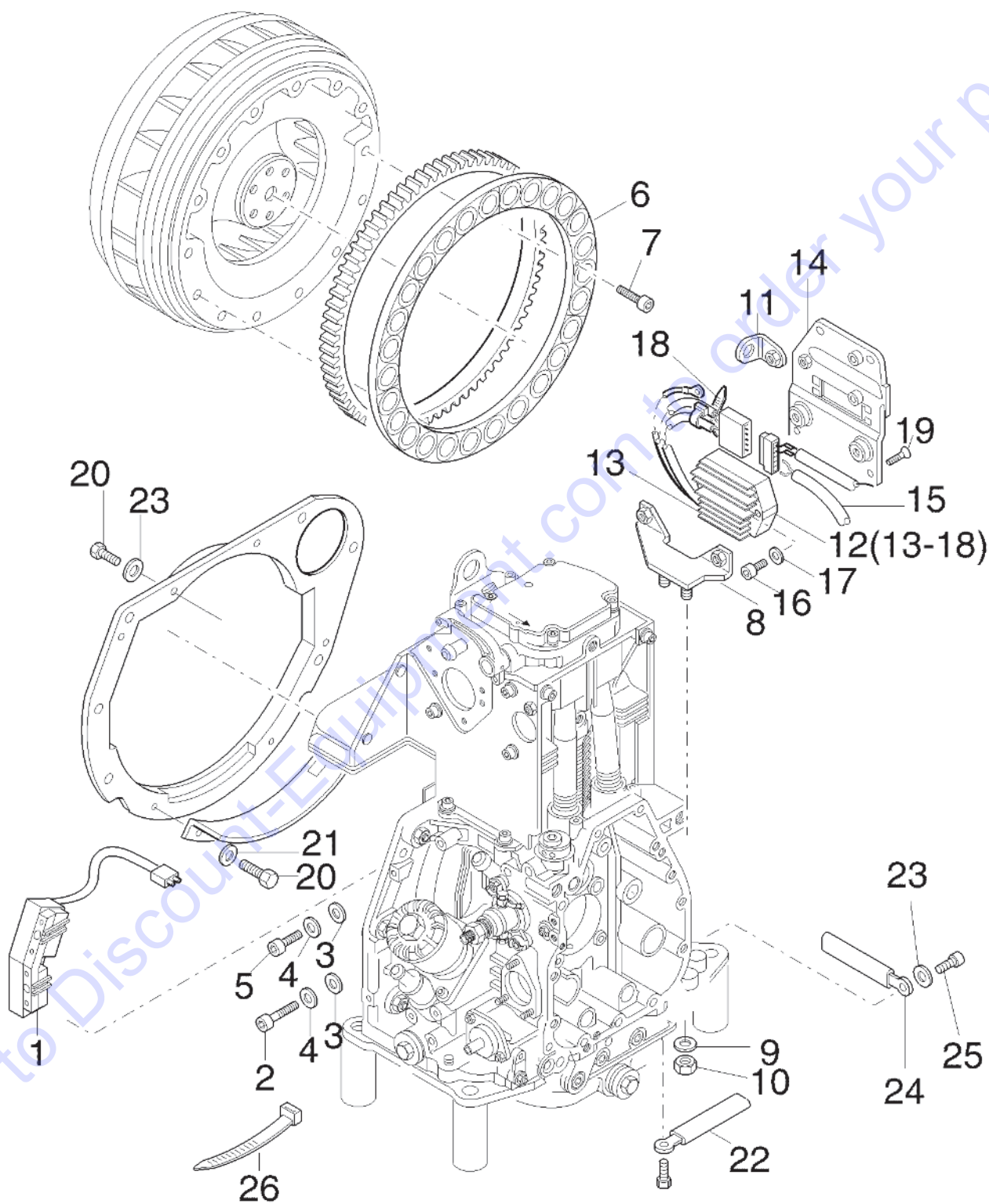


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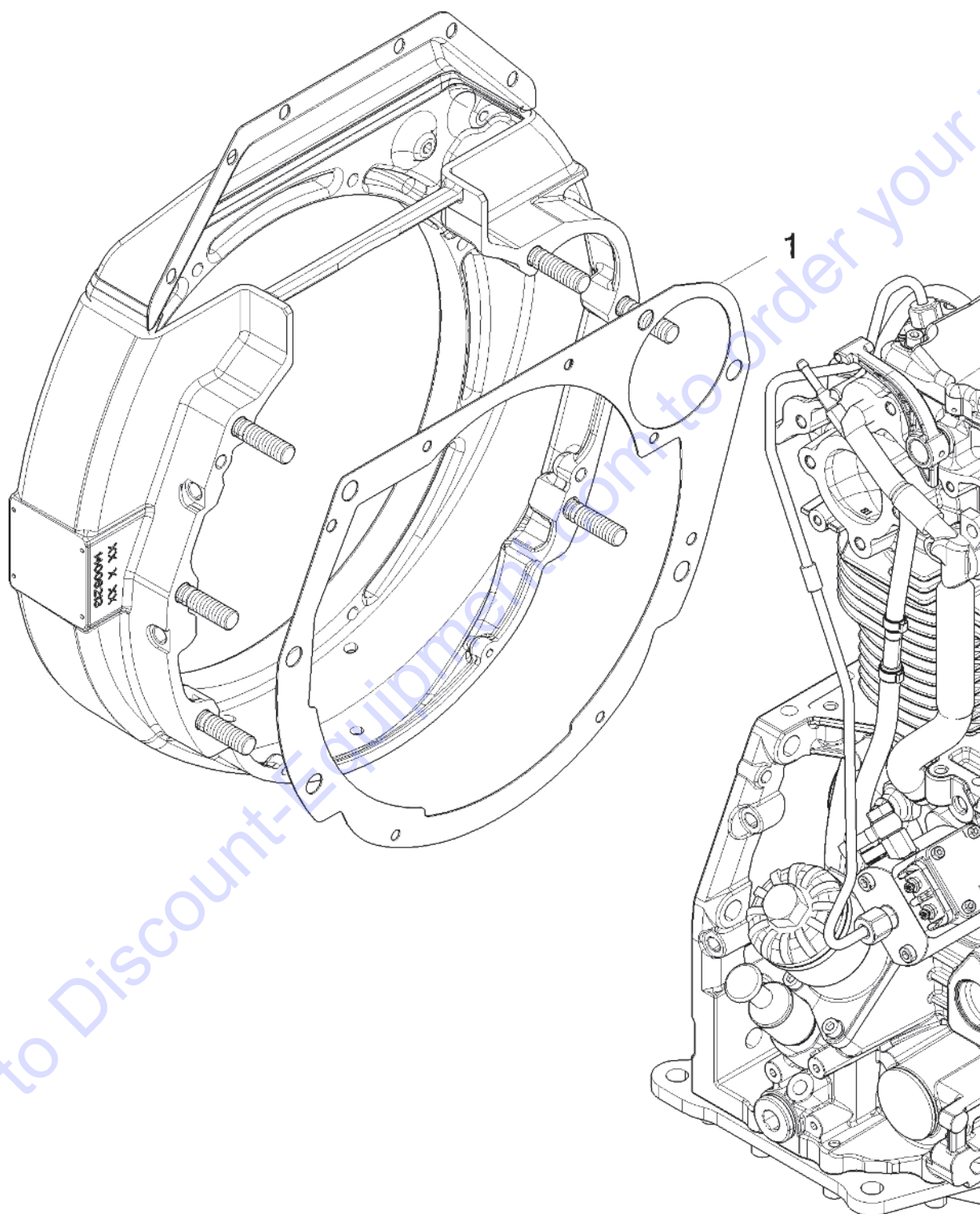
0270 000002101400 Oel drain hose customer 1D90E 1 D 90 E.10 | Ölablassschlauch Kunde 1D90E 1 D 90 E.10

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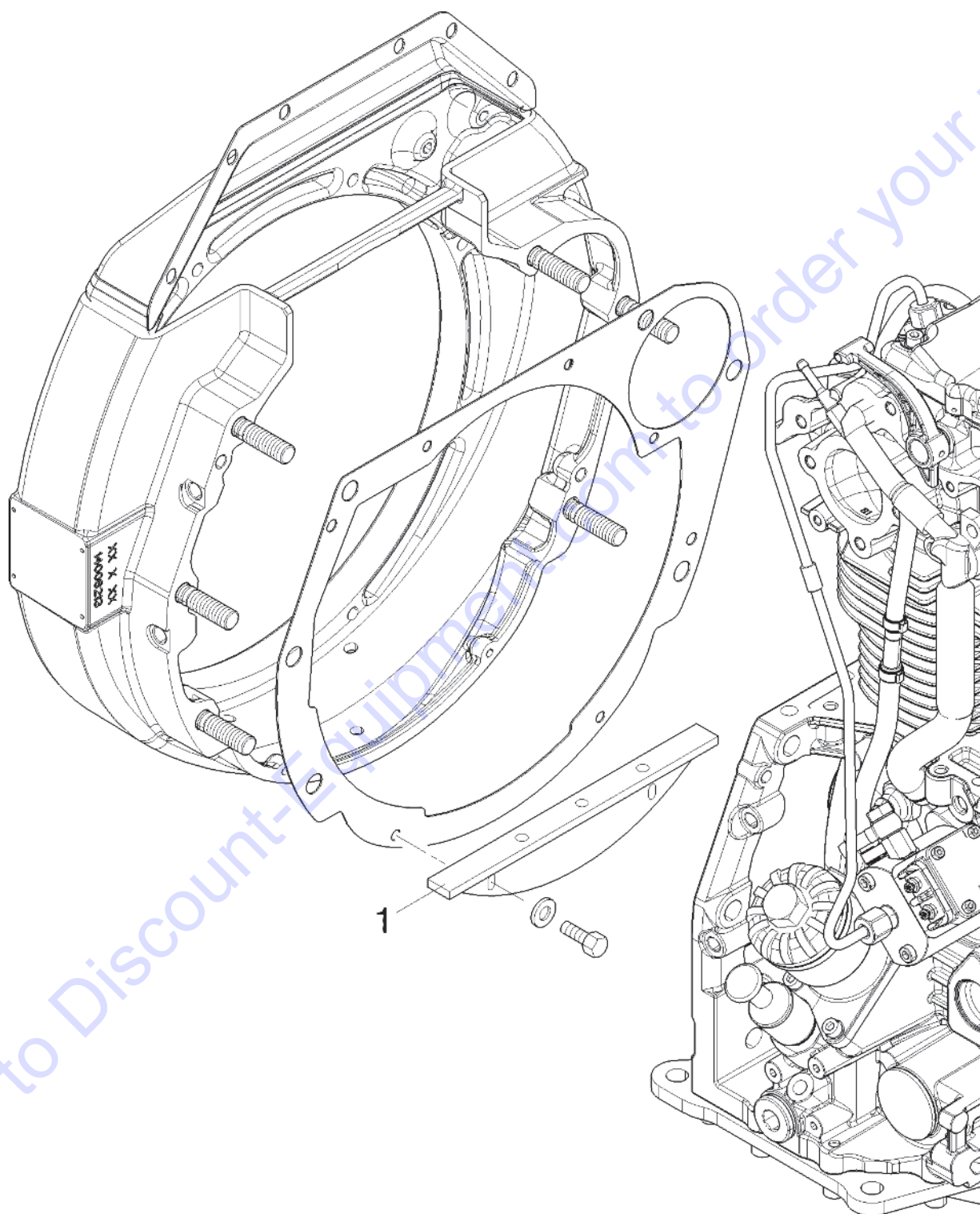


0280 000002086601 Alternator 12V 200W S/Z 1 D 90 E.10 | Generator 12V 200W S/Z 1 D 90 E.10

Pos.	Part no.	Description	Notice	Benennung	Notiz	Qty.	kg
1	000001439010	COIL WITH WIRE 12V	part was replaced by COIL CPL. 12V. 200 W 000001592400	SPULEN 12V M. LEITG	Teil ist ersetzt durch SPULEN KPL 12V 200W 000001592400	1	0,397
1	000001592400	COIL CPL. 12V. 200 W	12 V	SPULEN KPL 12V 200W	12 V	1	0,419
2	000050448800	ALL.SCR.M 6X 40	M 6 X 40 DIN 6912-8.8 A3B	ZYL-SCHR.M 6X 40 DIN 6912-8.8 A3B	M 6 X 40 DIN 6912-8.8 A3B	1	0,011
3	000050144500	FLAT WASHER 6,4	6,4 DIN 125-St A3B	SCHEIBE 6,4	6,4 DIN 125-St A3B	7	0,001
4	000050390701	CON.SPR.WASHER 6	6 DIN 6796 - 6 - FST ZN	SPANNSCHEIBE 6	6 DIN 6796 - 6 - FST ZN	2	0,001
5	000050448700	ALL.SCR.M 6X 30	M 6 x 30 DIN 6912-8.8 A3B	ZYL-SCHR.M 6X 30 DIN 6912-8.8 A3B	M 6 x 30 DIN 6912-8.8 A3B	1	0,007
6	000001539001	MAGNETIC RING	part was replaced by MAGNETIC RING 200 W 000001587300	MAGNETRING KPL 200W	Teil ist ersetzt durch MAGNETRING KPL 200W 000001587300	1	1,5
6	000001587300	MAGNETIC RING 200 W	Magnetring kpl.	MAGNETRING KPL 200W	Magnetring kpl.	1	1,5
7	000050446901	ALL.SCR. M 4 X 16 A3B-KFL-14579		ZYL-SCHR.M 4X 16 A3B-KFL-14579		14	0,002
8	000001440303	SUPPORT		HALTER FUER REGLERSCHALTER		1	0,09
9	000050208500	SPRING WASHER 8	8 DIN 128 A3B	FEDERRING 8	8 DIN 128 A3B	2	0,001
10	000050148000	HEXAGON NUT M 8	M 8 DIN 934-8 A3B	SKT-MUTTER M 8	M 8 DIN 934-8 A3B	2	0,005
11	000001440200	SUPPORT		WINKEL F REGLERSCH.		1	0,022
12	000001473001	REGULATOR 12 V		REGLERSCHALTER 12V		1	0,893
13	000001871004	REGULATOR 12V	part was replaced by TENS.REGULATOR 12V 000001983800	REGLERSCHALTER 12V	Teil ist ersetzt durch REGLERSCH.+HINWEIS 000001983800	1	0,391
13	000001983800	TENS.REGULATOR 12V	12 V 12V	REGLERSCH.+HINWEIS	12 V 12V	1	0,396
14	000001440100	FASTENING PLATE		HALTEBLECH		1	0,367
15	000001462800	ELECTRIC WIRE		FAHRZEUGLEITUNG		1	0,087
16	000050183000	ALL.SCR. M 8X 35	M 8 X 35 DIN 912-8.8 A3B	ZYL-SCHR.M 8X 35 DIN912-8.8A3B(4762)	M 8 X 35 DIN 912-8.8 A3B	2	0,018
17	000050208500	SPRING WASHER 8	8 DIN 128 A3B	FEDERRING 8	8 DIN 128 A3B	2	0,001
18	000050358400	STRAP/ CABLE TIE	4,8 x 200 mm Black SCHWARZ	KABELBINDER XK3 200	4,8 x 200 mm Black SCHWARZ	3	0,001
19	000050422501	CTR.SUNK SCR. M6X12	M 6 x 12 DIN 7991 - 8.8 A3C	SENKSCHR.M 6X12IR30	M 6 x 12 DIN 7991 - 8.8 A3C	2	0,002
20	000050165500	HEXSCREW M 6X 12	M 6 x 12 DIN 933-8.8 A3B	SKT-SCHR.M 6X 12	M 6 x 12 DIN 933-8.8 A3B	4	0,004
21	000050144500	FLAT WASHER 6,4	6,4 DIN 125-St A3B	SCHEIBE 6,4	6,4 DIN 125-St A3B	4	0,001
22	000005023900	CLIP		KABELSCHELLE		2	0,006
23	000050170900	SPRING WASHER 6	6 DIN 128 - A3B	FEDERRING 6	6 DIN 128 - A3B	2	0,001
24	000005001200	CLIP		KABELSCHELLE		1	0,005
25	000050149100	ALLEN SCREW M 6X 12	M 6 x 12 DIN 912-8.8A3B	ZYL-SCHR.M 6X 12 DIN912-8.8A3B(4762)	M 6 x 12 DIN 912-8.8A3B	1	0,005
26	000050358400	STRAP/ CABLE TIE	4,8 x 200 mm Black SCHWARZ	KABELBINDER XK3 200	4,8 x 200 mm Black SCHWARZ	4	0,001



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0286 000004080410 Cover for airduct housing 1 D 90 E.10 | Blech für Luftführungsgehäuse 1 D 90 E.10

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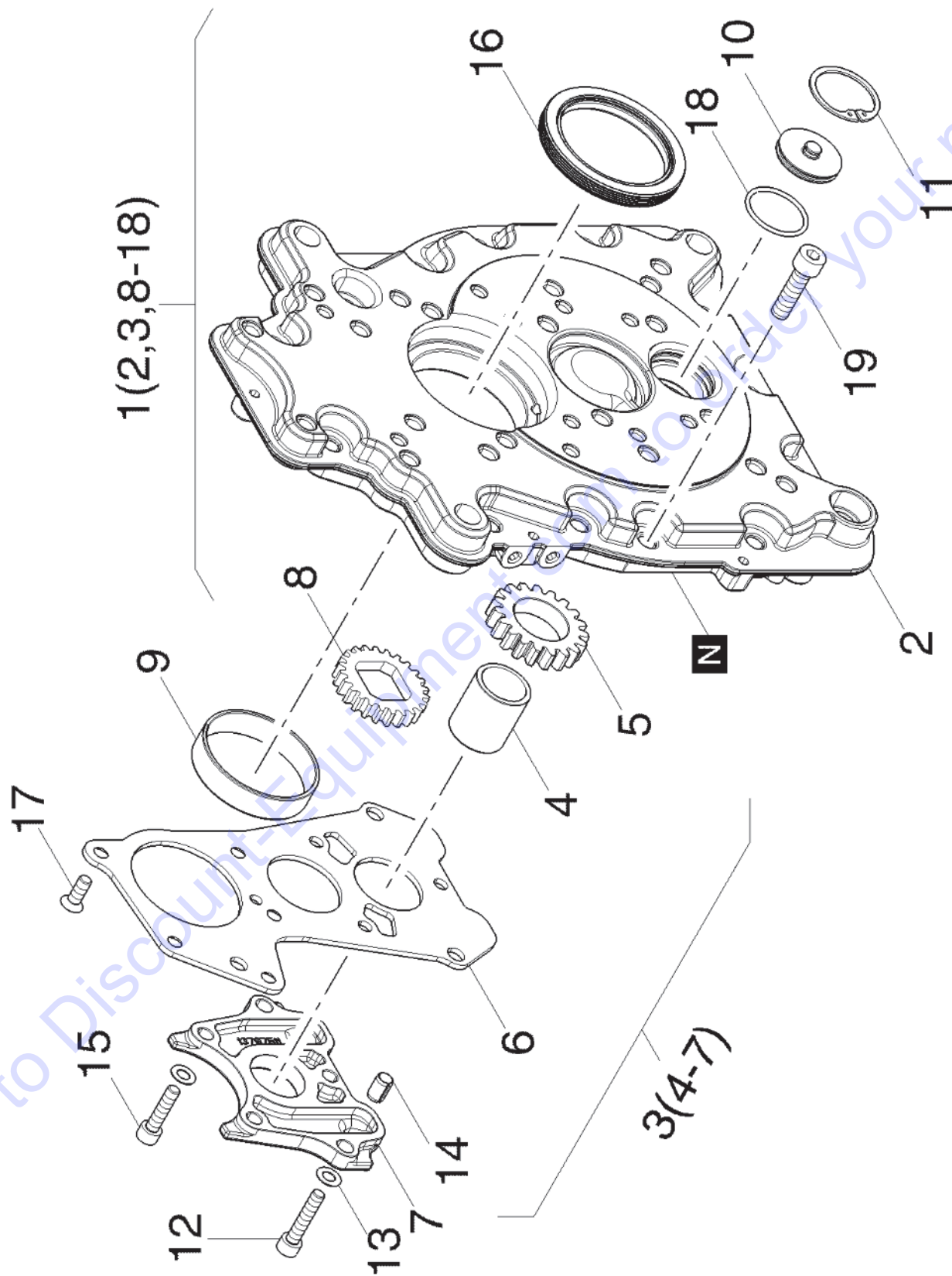
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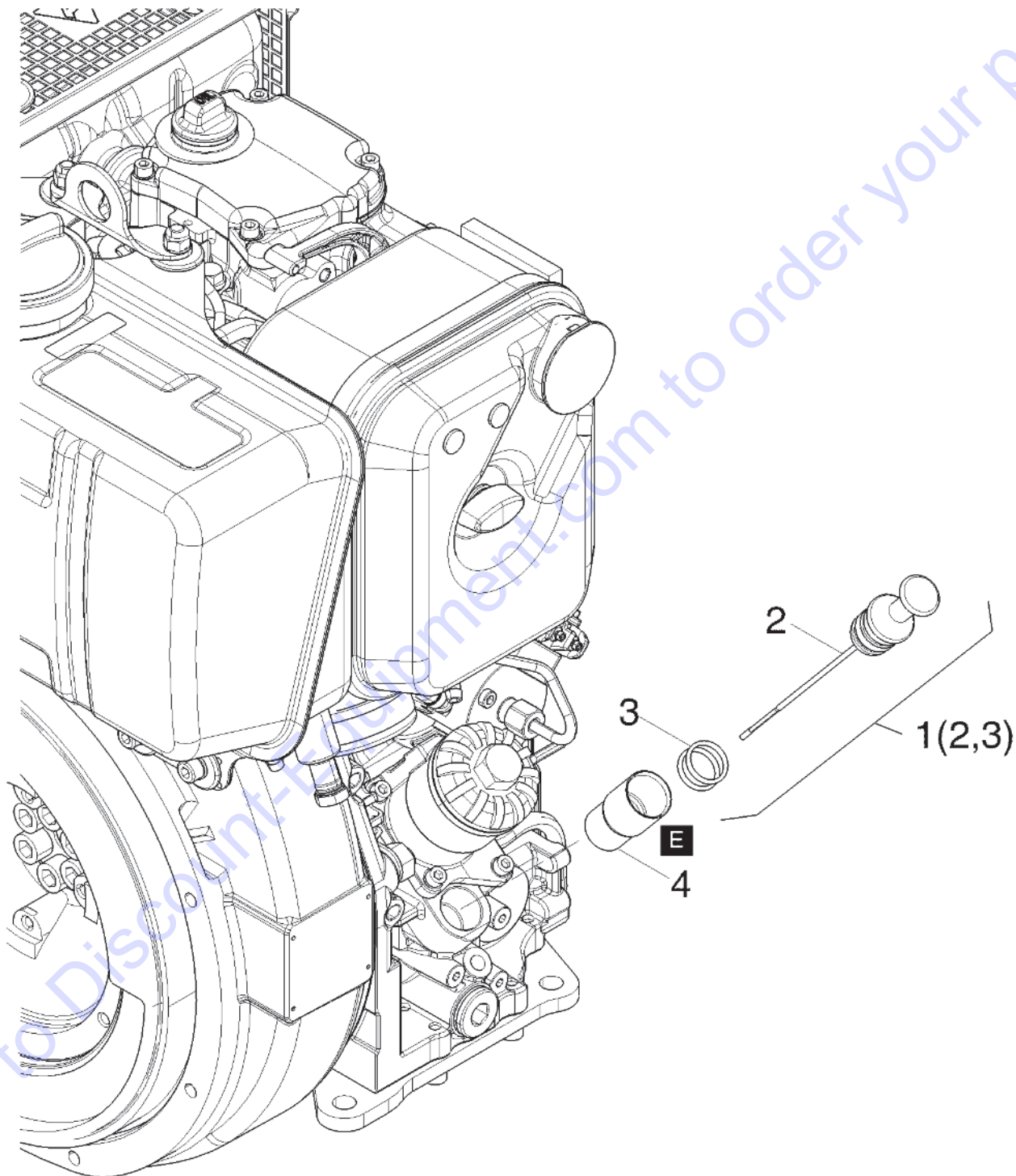
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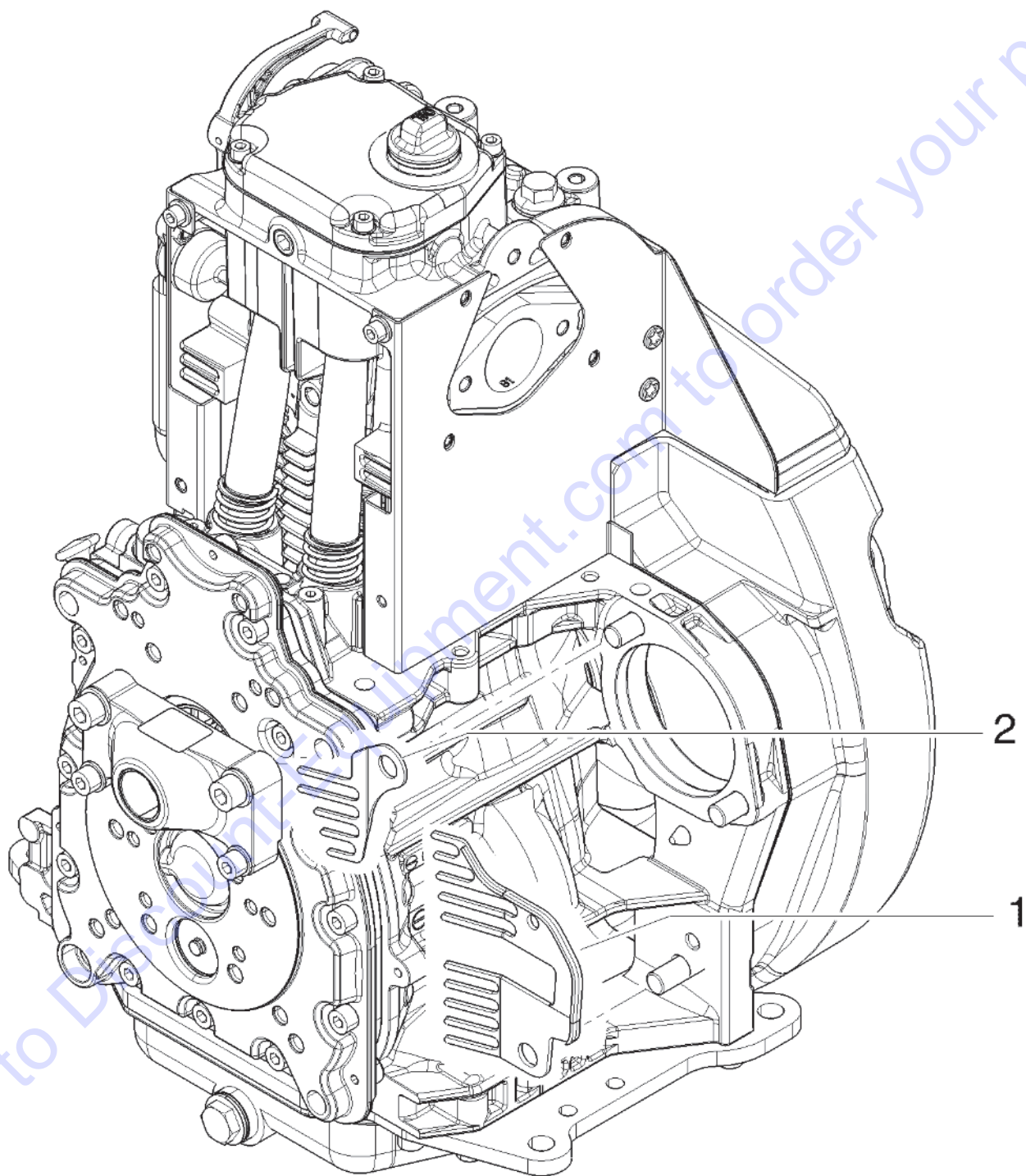
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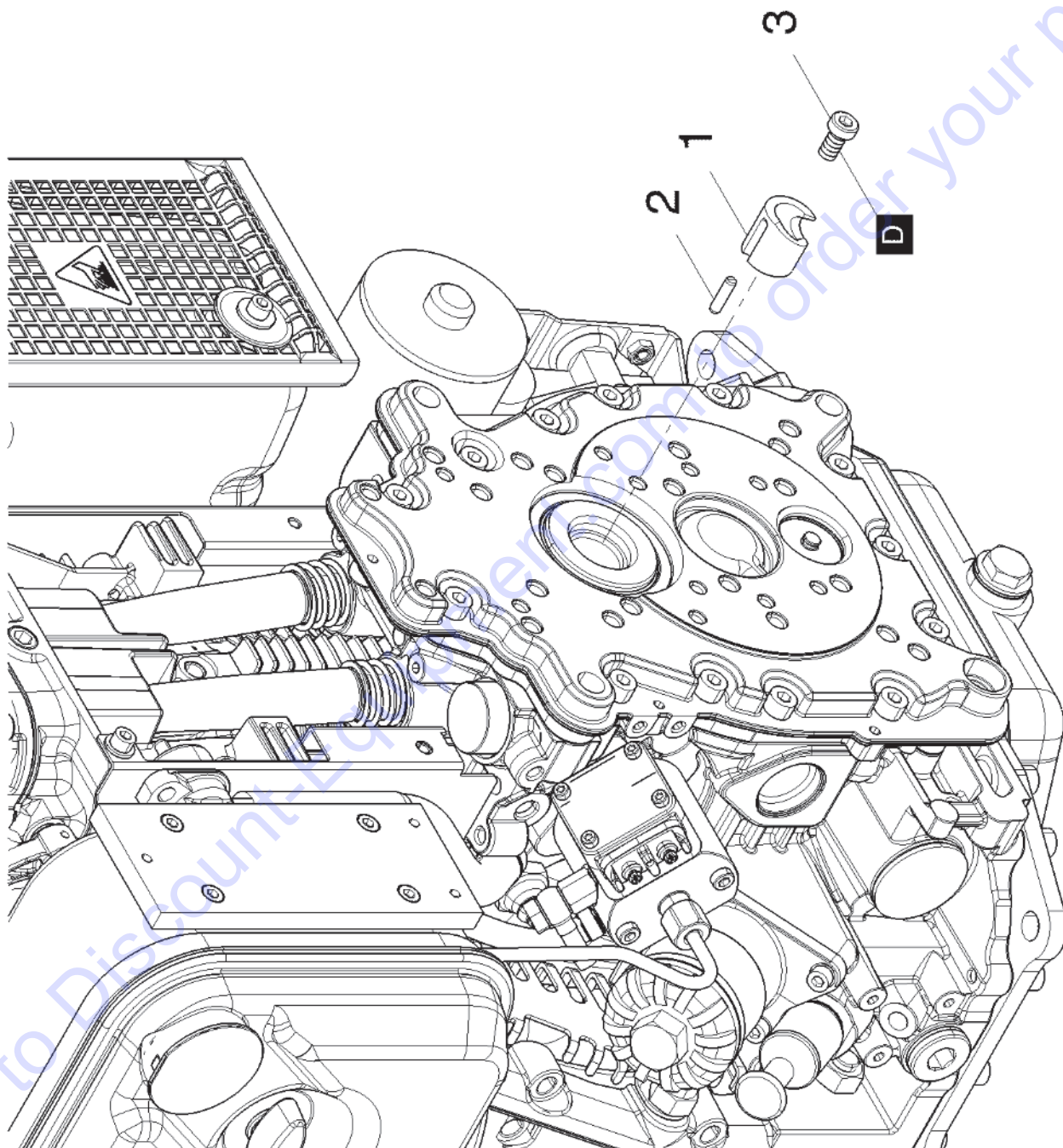
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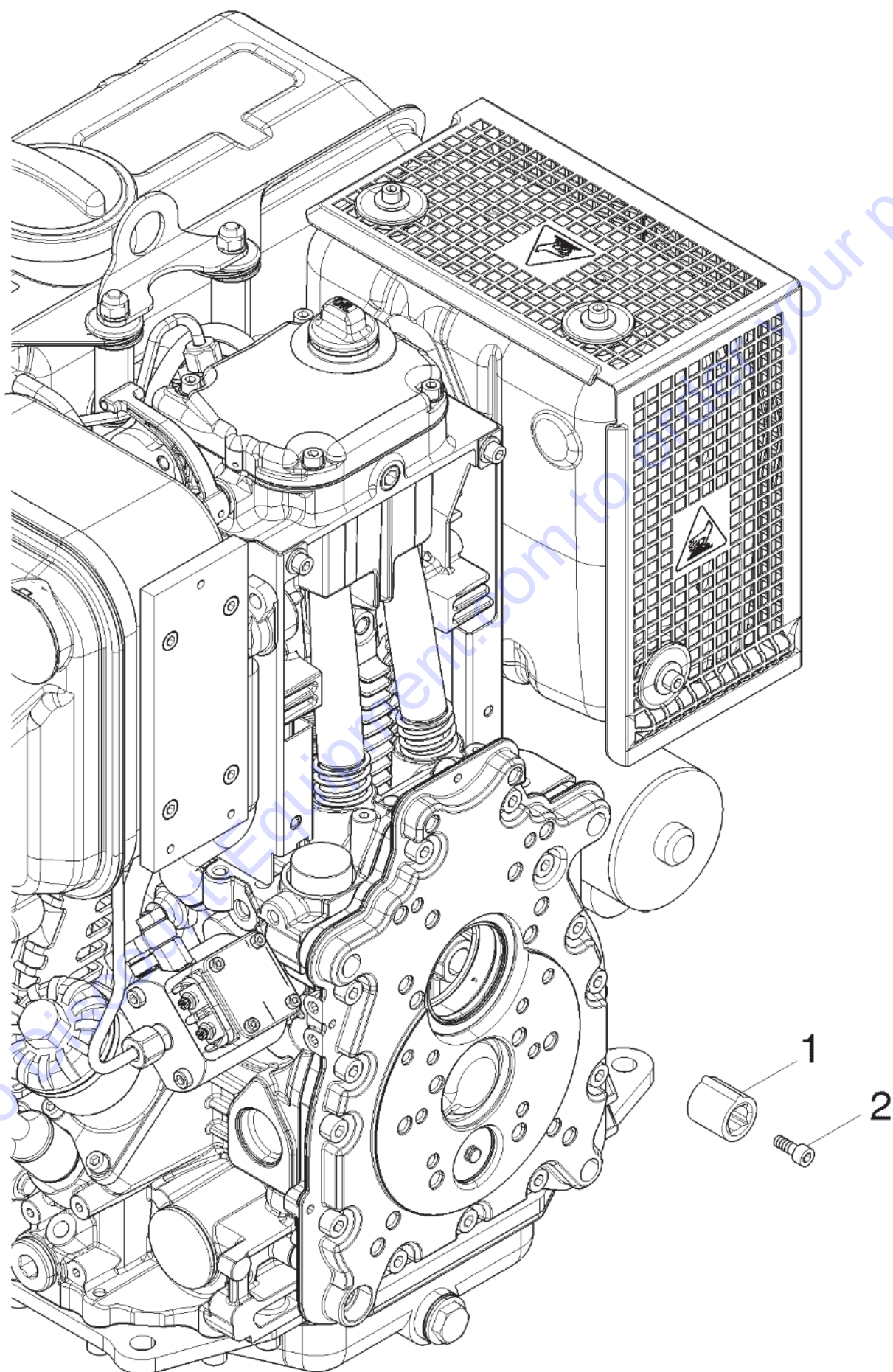
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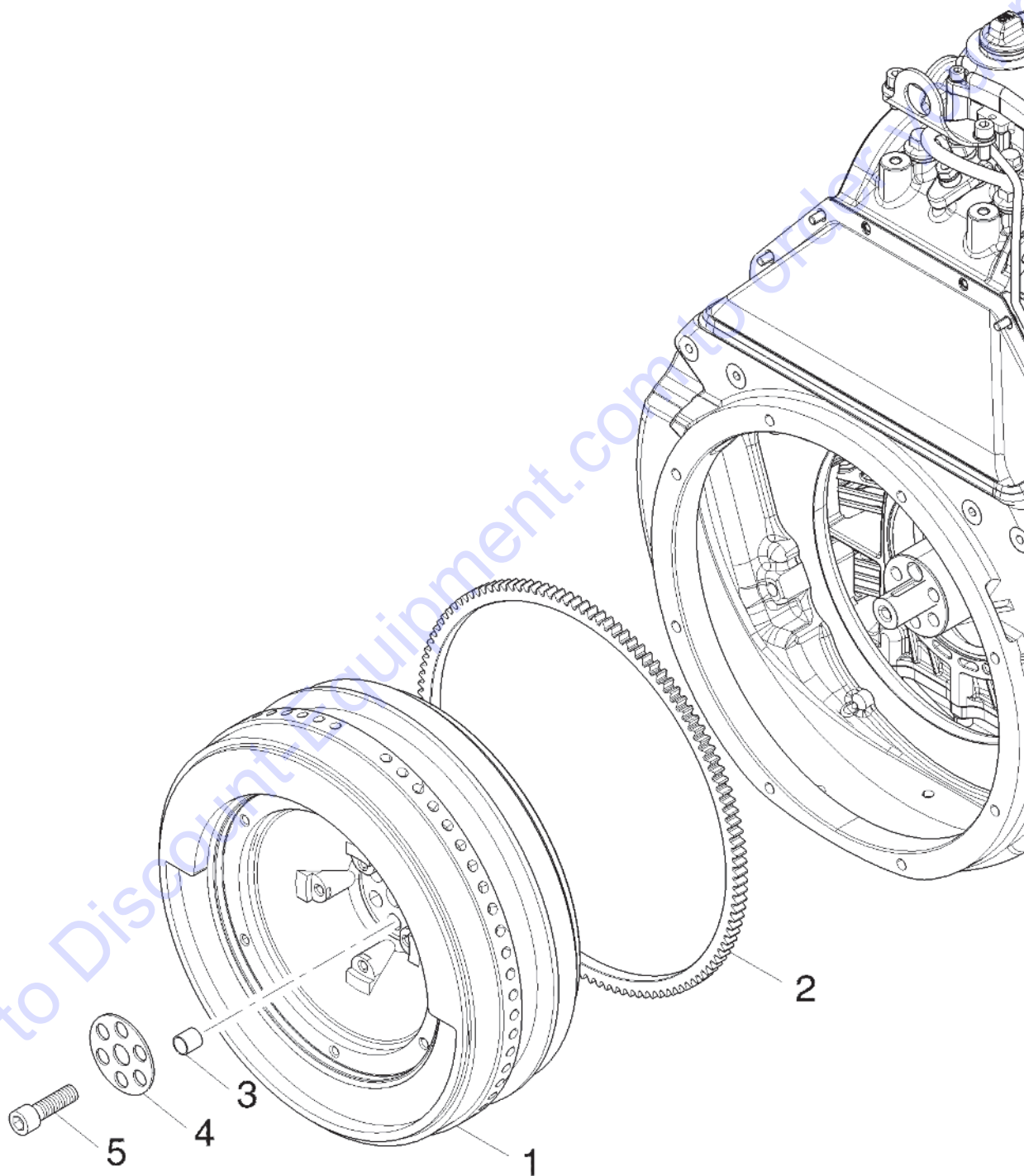


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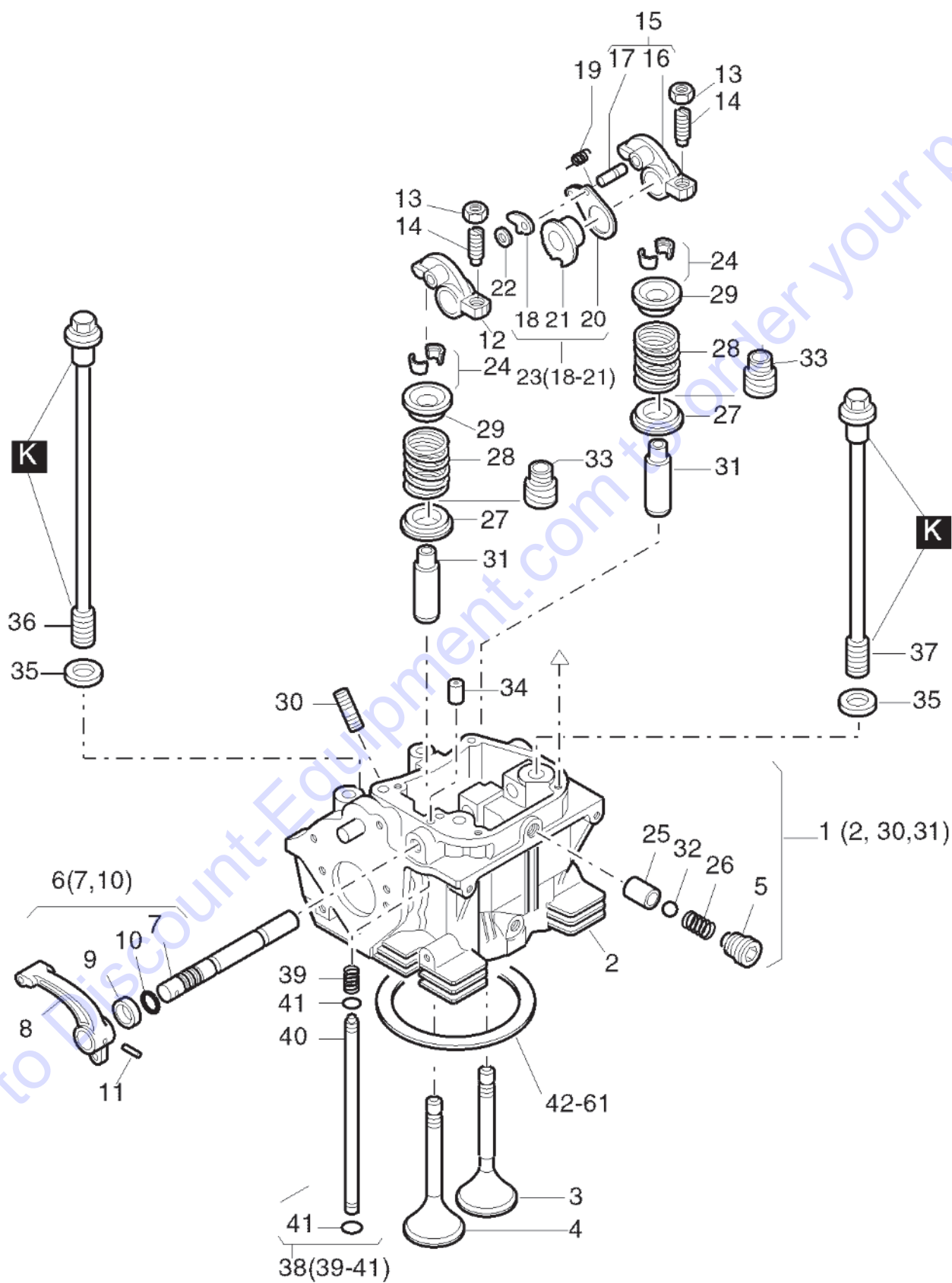
0410 000001474300 Cranking device 1 D 90 E.10 | Mitnehmer zur Nockenwelle 1 D 90 E.10

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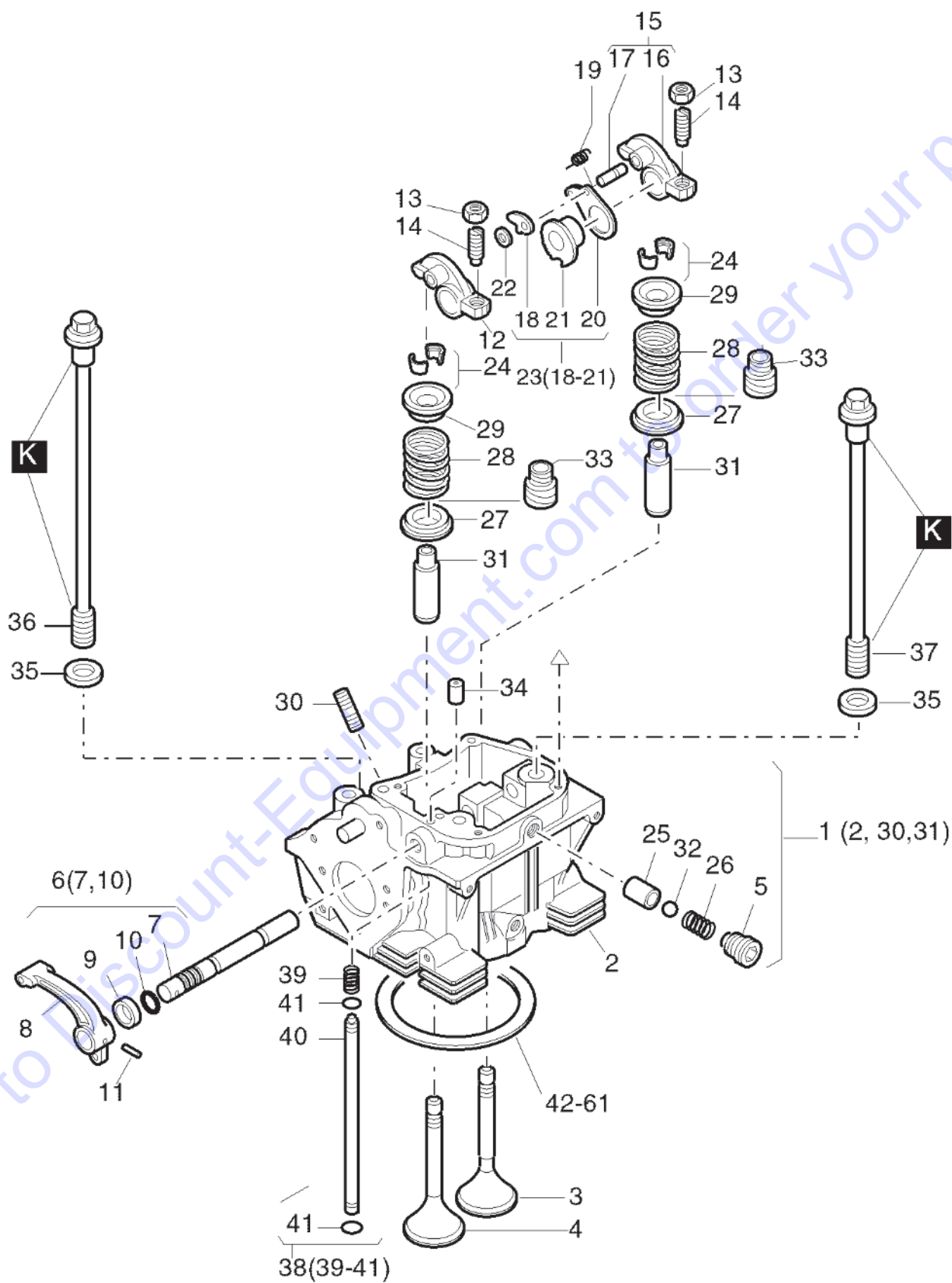
0420 000002073700 Flywheel+gear ring 1D90E 1 D 90 E.10 | Schwungrad mit Zahnkranz 1D90E 1 D 90 E.10

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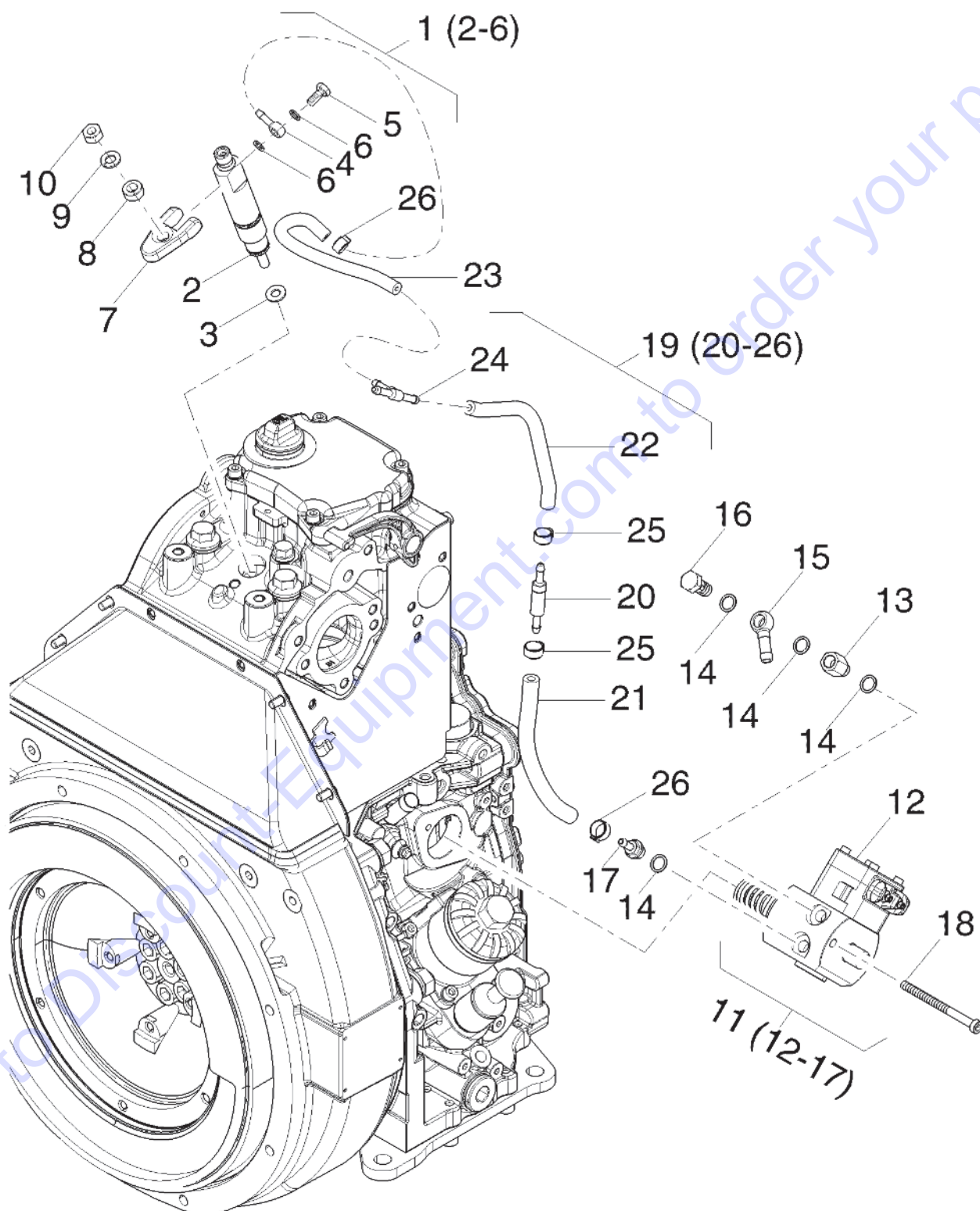
0430 000002095901 Cylinder head S/Z 1D90E 1 D 90 E.10 | Zylinderkopf S/Z 1D90E 1 D 90 E.10

Pos.	Part no.	Description	Notice	Benennung	Notiz	Qty.	kg
1	000002146100	CYLINDER HEAD S/Z 1D90E		ZYLINDERKOPF 1D90E		1	3,900
2	_noorder	No single order		Nicht einzeln bestellbar		-	
3	000004091101	VALVE EXHAUST		VENTILKEGEL AUSLASS		1	0,097
4	000004091002	VALVE INLET		VENTILKEGEL EINLASS 1D81/90/90E		1	0,111
5	000001245200	ADJUSTING SCREW		EINSTELLSCHR. KPL		1	0,005
6	000001468921	ROCKER SHAFT 1D81/90		KIPPHABELACHSE 1D81/90		1	0,095
7	_noorder	No single order		Nicht einzeln bestellbar		-	
8	000004009810	HANDLE DECOMP.		GRIFF Z KIPPH-ACHSE		1	0,015
9	000004048900	RUBBER RING 12X18X5	12 x 18 x 5	RERI 12X18X5	12 x 18 x 5	1	0,001
10	000040022401	O-RING 8 X 2 GRAY	8 x 2 FPM 75 MOLYKOT.	O-RING 8 X2 GRAU	8 x 2 FPM 75 MOLYKOT.	1	0,002
11	000050034700	PIN 4 X22	4 x 22 ISO 8752-ST	SPANNSTIFT 4 X22	4 x 22 ISO 8752-ST	1	0,002
12	000004003710	ROCKER INLET		KIPPHABEL EINLASSVENTIL 1D20		1	0,055
13	000003173100	HEXAGON NUT	M 8X1	SKT-MUTTER M 8X1	M 8X1	2	0,004
14	000003783000	ADJUSTING SCREW		EINSTELLSCHR.KIPPH.		2	0,008
15	000001285010	ROCKER EXHAUST		KIPPHABEL A +KERBST		1	0,065
16	_noorder	No single order		Nicht einzeln bestellbar		-	
17	_noorder	No single order		Nicht einzeln bestellbar		-	
18	000003365710	RATCHET F.DECOMPR.		KLINKE Z DEKOMPR.		1	0,004
19	000003366001	SPRING		SCHENKELFEDER		1	0,001
20	000003778401	SPRING SHEET		FEDERBLECH		1	0,002
21	_noorder	No single order		Nicht einzeln bestellbar		-	
22	000050117200	CIRCLIP	RA 4ME DIN 6799	SICH-SCHEIBE RA 4ME	RA 4ME DIN 6799	1	0,001
23	000001557600	GEARWHEEL F.DECOMPR		ZAHNRAD Z DEK. KPL		1	0,04
24	000002252200	COLLET 2PCS=1EACH		VENTILKONUS-SATZ		2	0,002
25	000004004701	BUSH		BUCHSE Z REIBBREMSE		1	0,016
26	000004004800	PRESSURE SPRING		DRUCKFEDER Z KIPPH.		1	0,003
27	000004005201	WASHER		UNTERLAGSCHEIBE		2	0,015
28	000004152000	VALVE SPRING		VENTILFEDER		2	0,037
29	000004005402	CUP		FEDERTELLER		2	0,019
30	000050038400	STUD M 8X 35	M 8 x 35 DIN 835-8.8 A3B	STIFTSCHR.M 8X 35	M 8 x 35 DIN 835-8.8 A3B	1	0,017
31	000004008712	VALVE GUIDE		VENTILFUEHRUNG		2	0,053
32	000050123800	BALL 7 MM G100	7 mm III DIN 5401	KUGEL 7 MM G100	7 mm III DIN 5401	1	0,001
33	000050634900	VALVE STEM SEAL CAP		VENTILSCHAFTABDICHTUNG		2	0,002
34	000004104300	PIN	(ø 8 mm)	BOLZENDUESE Z KIPPH	(ø 8 mm)	1	0,003



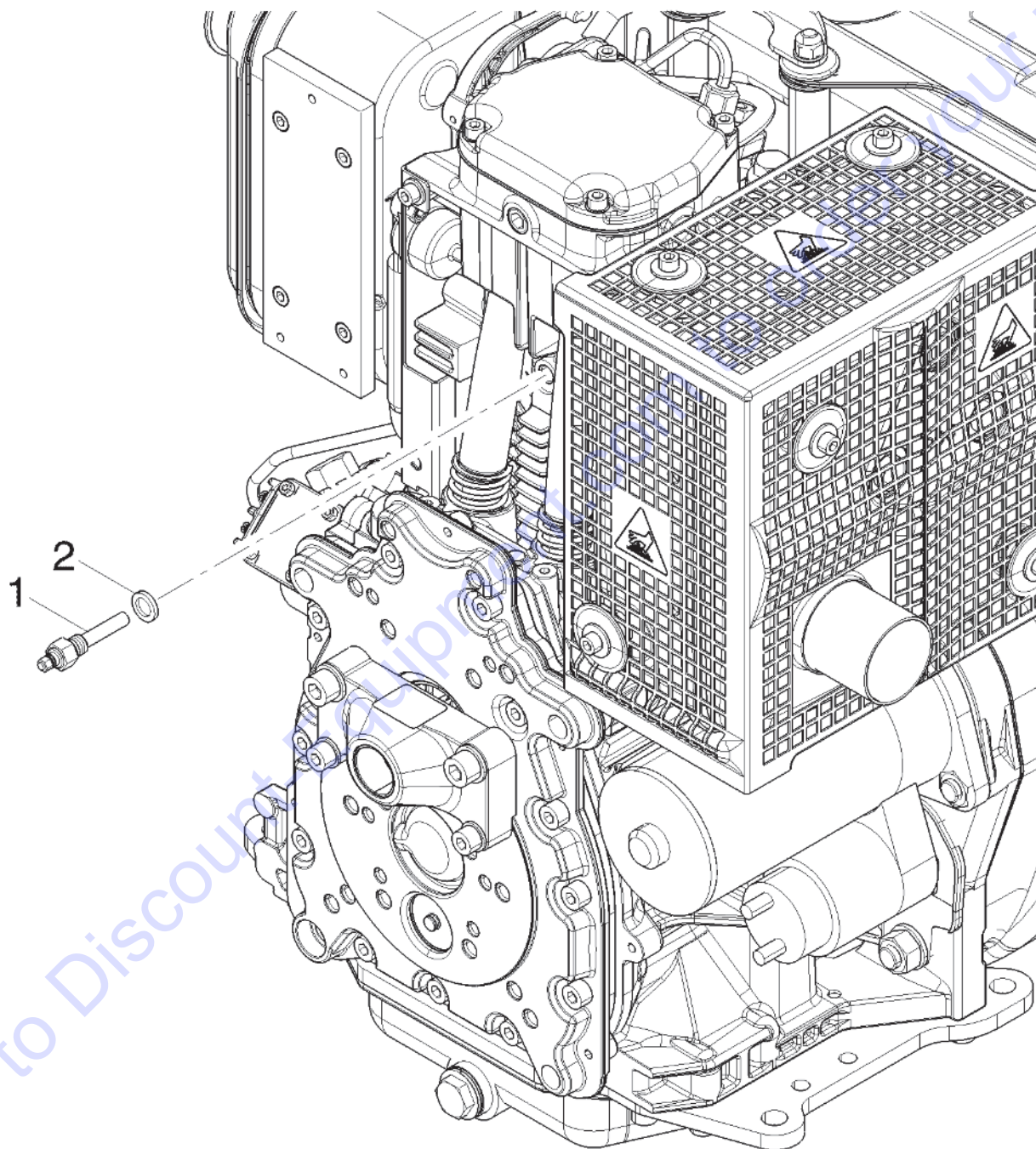
0430 000002095901 Cylinder head S/Z 1D90E 1 D 90 E.10 | Zylinderkopf S/Z 1D90E 1 D 90 E.10

Pos.	Part no.	Description	Notice	Benennung	Notiz	Qty.	kg
35	000003457500	DISC F.STUD	12,5 x 24 x 2,5	SCHEIBE 12,5X24X2,5	12,5 x 24 x 2,5	4	0,006
36	000004003201	CYL.HEAD SCREW305MM	305 mm	ZYL-KOPFSCHR. 305L Werkstoff 12.9	305 mm	2	0,190
37	000004003301	CYL.HEAD SCREW258MM	258 mm	ZYL-KOPFSCHR. 258L Werkstoff 12.9	258 mm	2	0,166
38	000001269700	OIL PRESSURE PIPE		OELDRUCKLEITUNG KPL		1	0,048
39	000004004200	PRESSURE SPRING		DRUCKFEDER OELDR-L.		1	0,001
40	_noorder	No single order		Nicht einzeln bestellbar		-	
41	000050330100	O-RING 4X 1,2	4 x 1,2	O-RING 4 X1,2 N	4 x 1,2	2	0,001
42	000004119300	GASK.F.CYL.HEAD 0,3	0,3 mm	DICHTUNG ZYL-K. 0,3	0,3 mm	0... 1	0,008
43	000004241700	GASK.F.CYL.H. 0,35	0,35 mm	DICHTUNG ZYL-K.0,35	0,35 mm	0... 1	0,009
44	000004119400	GASK.F.CYL.HEAD 0,4	0,4 mm	DICHTUNG ZYL-K. 0,4	0,4 mm	0... 1	0,011
45	000004241800	GASK.F.CYL.H. 0,45	0,45 mm	DICHTUNG ZYL-K.0,45	0,45 mm	0... 1	0,012
46	000004119500	GASK.F.CYL.HEAD 0,5	0,5 mm	DICHTUNG ZYL-K. 0,5	0,5 mm	0... 1	0,013
47	000004241900	GASK.CYL.HEAD 0,55	0,55 mm	DICHTUNG ZYL-K.0,55	0,55 mm	0... 1	0,015
48	000004119600	GASK.F.CYL.HEAD 0,6	0,6 mm	DICHTUNG ZYL-K. 0,6	0,6 mm	0... 1	0,015
49	000004242000	GASK.F.CYL.HEAD0,65	0,65 mm	DICHTUNG ZYL-K.0,65	0,65 mm	0... 1	0,017
50	000004119700	GASK.F.CYL.HEAD 0,7	0,7 mm	DICHTUNG ZYL-K. 0,7	0,7 mm	0... 1	0,018
51	000004242100	GASK.F.CYL.HEAD0,75	0,75 mm	DICHTUNG ZYL-K.0,75	0,75 mm	0... 1	0,021
52	000004119800	GASK.F.CYL.HEAD 0,8	0,8 mm	DICHTUNG ZYL-K. 0,8	0,8 mm	0... 1	0,021
53	000004242200	GASK.F.CYL.HEAD0,85	0,85 mm	DICHTUNG ZYL-K.0,85	0,85 mm	0... 1	0,023
54	000004242300	GASK.F.CYL.HEAD0,95	0,95 mm	DICHTUNG ZYL-K.0,95	0,95 mm	0... 1	0,024
55	000004120000	GASK.F.CYL.HEAD 1,0	1,0 mm	DICHTUNG ZYL-K. 1,0	1,0 mm	0... 1	0,026
56	000004242400	GASK.F.CYL.HEAD1,05	1,05 mm	DICHTUNG ZYL-K.1,05	1,05 mm	0... 1	0,028
57	000004120100	GASK.F.CYL.HEAD 1,1	1,1 mm	DICHTUNG ZYL-K. 1,1	1,1 mm	0... 1	0,029
58	000004242500	GASK.F.CYL.H. 1,15	1,15 mm	DICHTUNG ZYL-K.1,15	1,15 mm	0... 1	0,03
59	000004120200	GASK.F.CYL.HEAD 1,2	1,2 mm	DICHTUNG ZYL-K. 1,2	1,2 mm	0... 1	0,031
60	000004242600	GASK.F.CYL.H. 1,25	1,25 mm	DICHTUNG ZYL-K.1,25	1,25 mm	0... 1	0,033
61	000004120300	GASK.F.CYL.HEAD 1,2	1,3 mm	DICHTUNG ZYL-K. 1,3	1,3 mm	0... 1	0,034
K	000050342600	GREASE START.DEVICE	100 GRAMM part was replaced by GREAS.STRT.DEV.400G 000050342601	FETT Z. ANDREHVORR.	100 GRAMM Teil ist ersetzt durch FETT Z ANDREHV.400G 000050342601	1	0,1
K	000050342601	GREAS.STRT.DEV.400G	400 GRAMM	FETT Z ANDREHV.400G	400 GRAMM	1	0,4

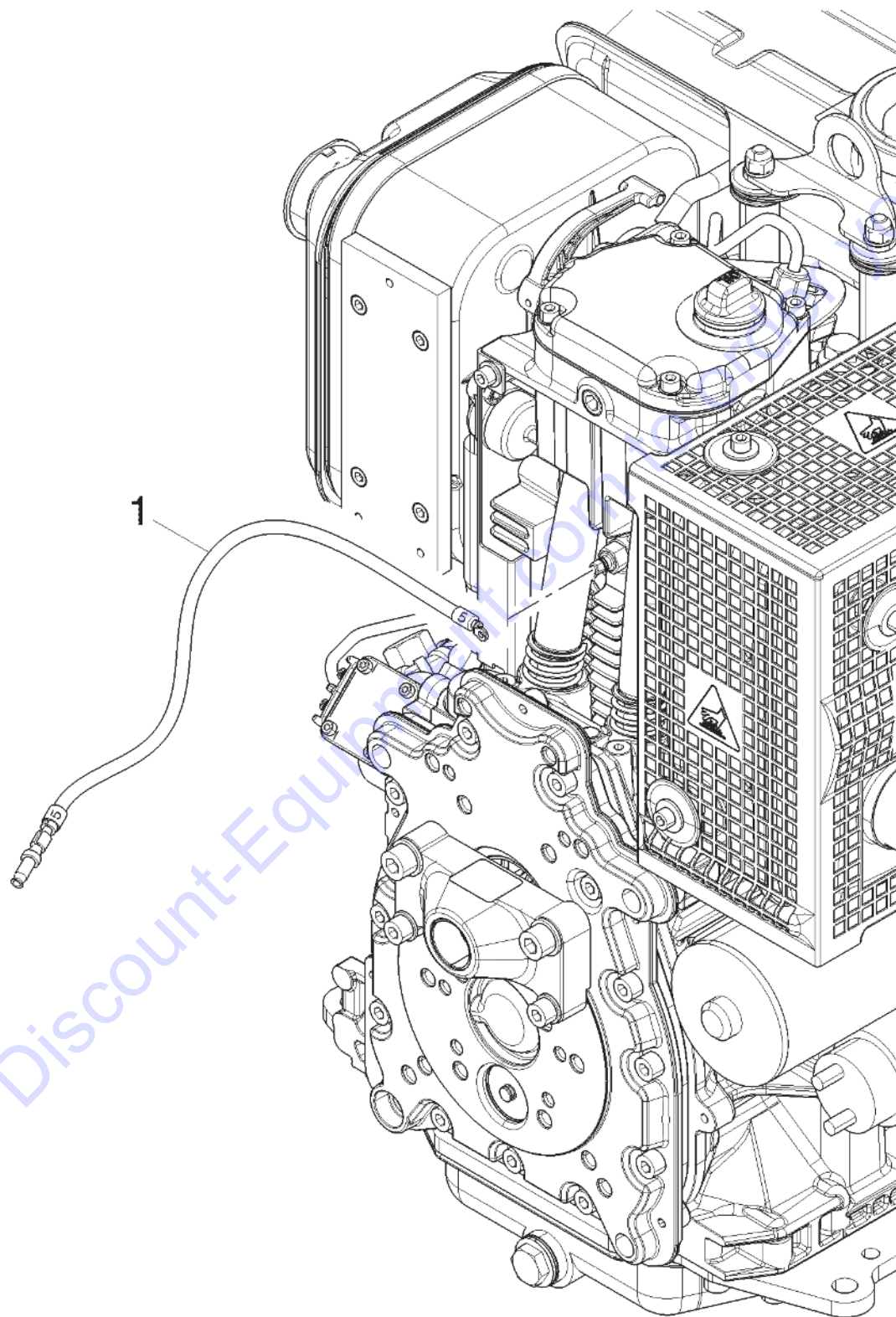


0460 000002084103 Injection pump 1D90E 1 D 90 E.10 | Einspritzpumpe 1D90E 1 D 90 E.10

Pos.	Part no.	Description	Notice	Benennung	Notiz	Qty.	kg
1	000002102111	INJECTOR 1D90E		EINSPRITZVENTIL 1D90E		1	0,248
2	_noorder	No single order		Nicht einzeln bestellbar		-	
3	000004185200	WASHER 1,5 MM		DICHTRING E-VENTIL 1,5 MM		1	0,002
4	000050333400	BANJO CONNECTION		RINGSTUECK I 6,2		1	0,005
5	000050313000	BANJO BOLT M 6	M 6	HOHLSCHR.M 6	M 6	1	0,005
6	000050000800	JOINT A 6,5X 9,5	A 6,5 x 9,5 DIN 7603-Cu	DICHTRG A 6,5X 9,5	A 6,5 x 9,5 DIN 7603-Cu	2	0,001
7	000003792401	FLANGE		FLANSCH Z EINSPR-V. !!hochfestes Teil!!		1	0,054
8	000004035700	WASHER		BUCHSE Z EINSPR-V.		1	0,006
9	000050208500	SPRING WASHER 8	8 DIN 128 A3B	FEDERRING 8	8 DIN 128 A3B	1	0,001
10	000050148000	HEXAGON NUT M 8	M 8 DIN 934-8 A3B	SKT-MUTTER M 8	M 8 DIN 934-8 A3B	1	0,005
11	000002102204	INJECTION PUMP 1D90E		EINSPRITZPUMPE 1D90E		1	1,644
12	_noorder	No single order		Nicht einzeln bestellbar		-	
13	000004359810	ADAPTER M10X1		ADAPTER M10X1		1	0,019
14	000050062400	JOINT A10 X13,5	A 10 x 13,5 DIN 7603-Cu	DICHTRG A10 X13,5	A 10 x 13,5 DIN 7603-Cu	4	0,001
15	000040092600	RING PIECE NW 4/6	NW 4 / 6	RINGNIPPEL NW 4/6	NW 4 / 6	1	0,009
16	000050006200	BANJO BOLT 6-3	6 - 3 DIN 7643	HOHLSCHRAUBE 6-3	6 - 3 DIN 7643	1	0,012
17	000004360400	HOSE NIPPLE M10X1 W. THROTTLE		SCHLAUCHNIPPEL M10X1 MIT DROSSEL		1	0,01
18	000050623000	ALL.SCR. M 6 X 75	M 6 X 75 DIN 6912-8.8 A3B	ZYL-SCHR.M 6X 75 DIN6912-8.8A3B	M 6 X 75 DIN 6912-8.8 A3B	2	0,019
19	000001457411	FUEL PIPE	EPA2	KR-LTG M ENTL-V. S	EPA2	1	0,054
20	000000805502	VENT VALVE		ENTLUEFTUNGSVENTIL		1	0,004
21	000005442200	FUEL PIPE 6 X 135	6 x 135 mm	KR-LTG LW 6 X 135	6 x 135 mm	1	0,017
22	000005310300	FUEL PIPE 4,5X 150	4,5 x 150 mm	KR-LTG LW 4,5X 150	4,5 x 150 mm	1	0,014
23	000005284010	FUEL PIPE 3,5X160	3,5 x 160	KR-LTG LW 3,5X 160	3,5 x 160	1	0,015
24	000003989601	HOSE NIPPLE T		T-SCHLAUCHNIPPEL		1	0,002
25	000050570900	CLAMP 12,3	Ø 12,8	SCHLAUCHKLEMME 12,3	Ø 12,8	2	0,002
26	000050570900	CLAMP 12,3	Ø 12,8	SCHLAUCHKLEMME 12,3	Ø 12,8	2	0,002

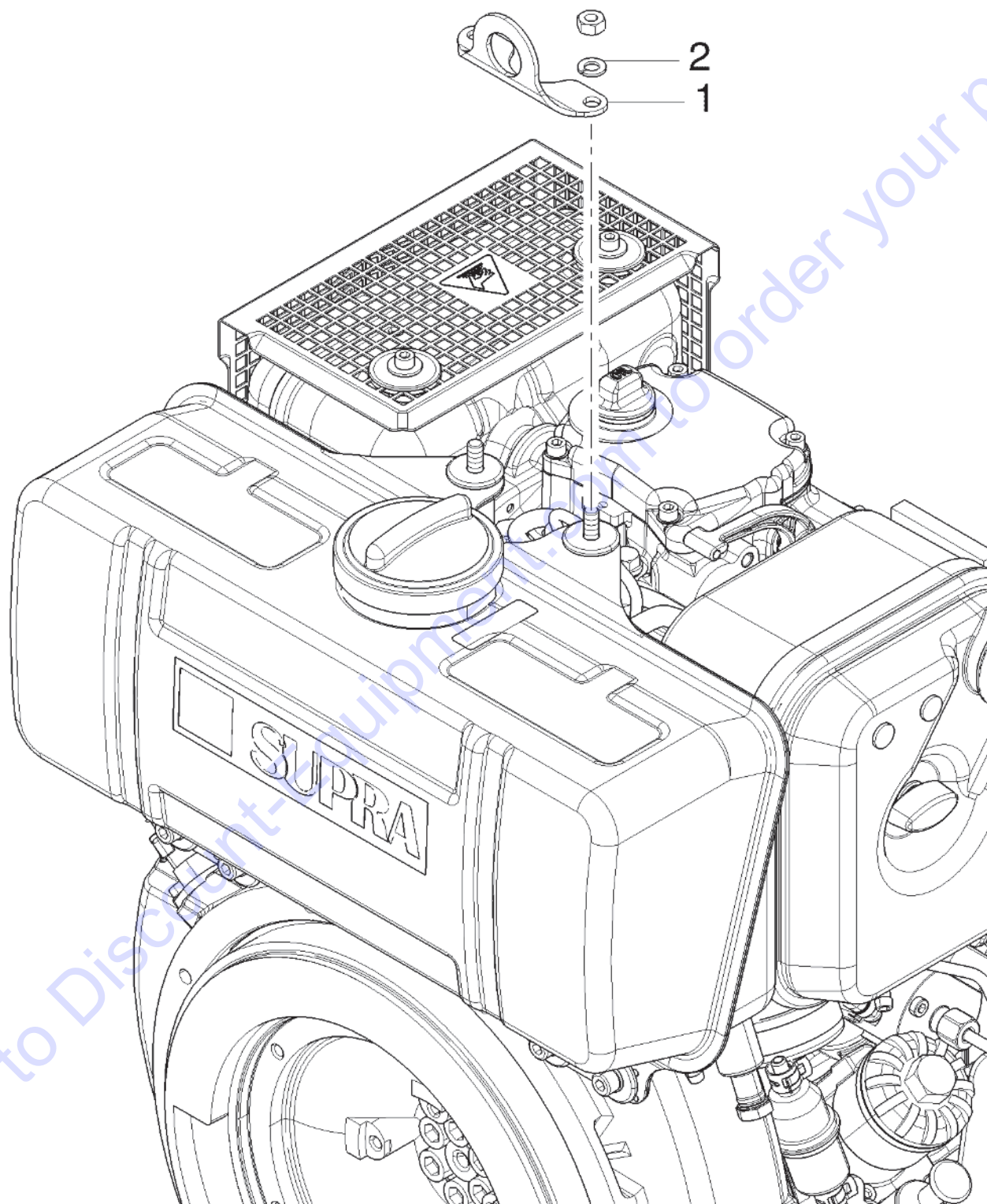


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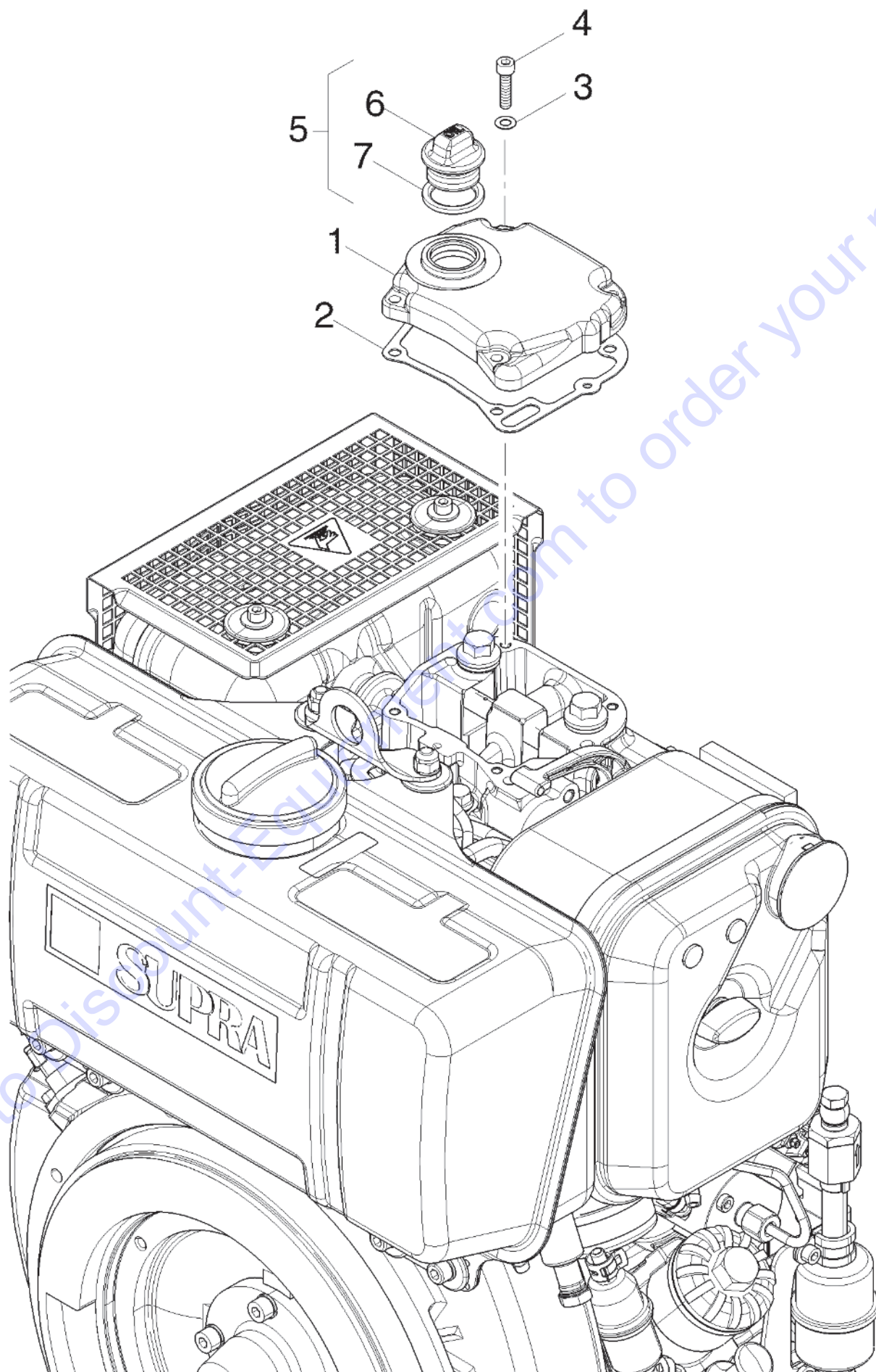
0482 000001422000 Electric wire temperature switch 1 D 90 E.10 | Kabel Temperaturschalter 1 D 90 E.10

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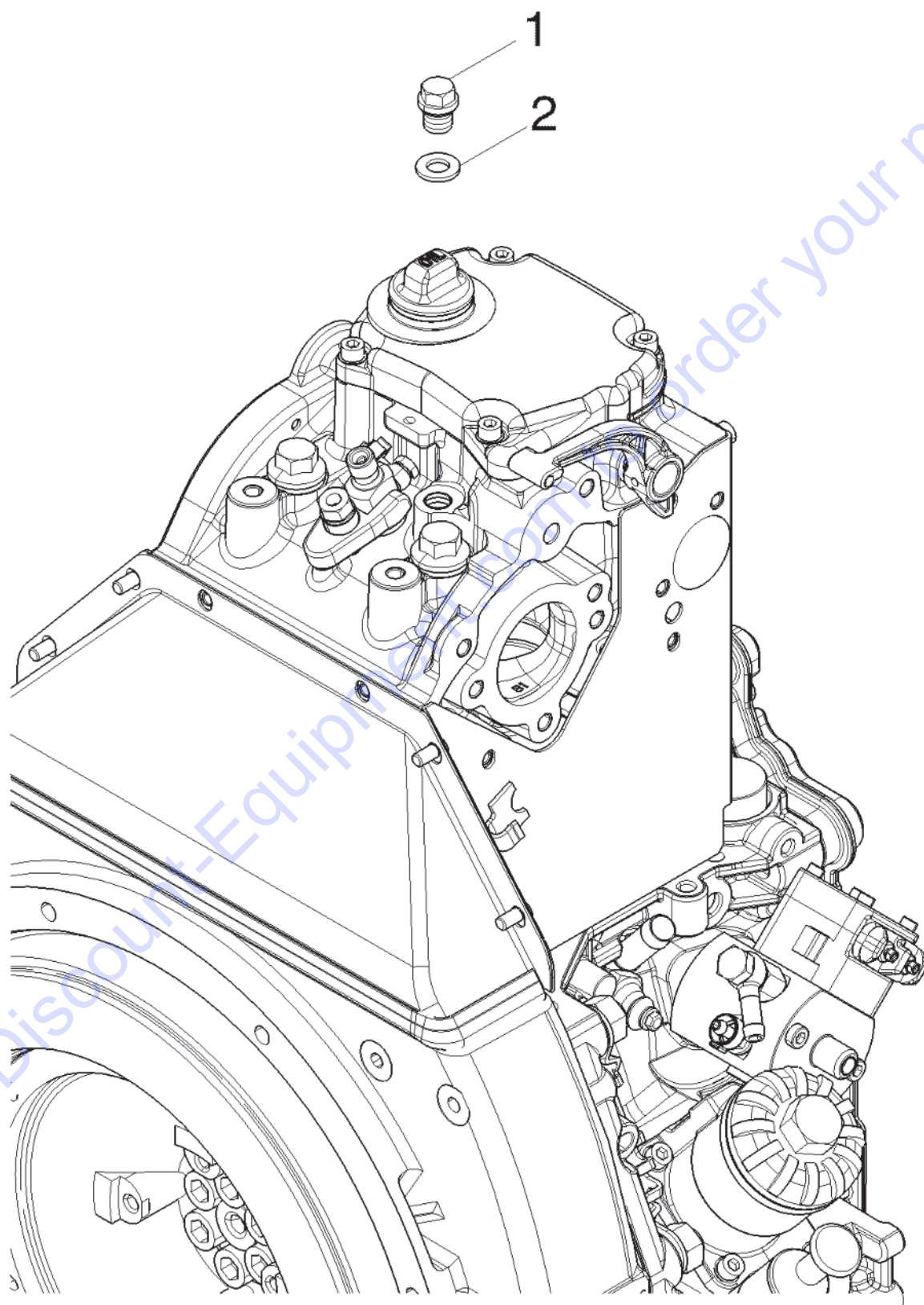


0495 000002088100 Lifting device S/Z tank 1 D 90 E.10 | Aufzugvorrichtung S/Z Tank 1 D 90 E.10

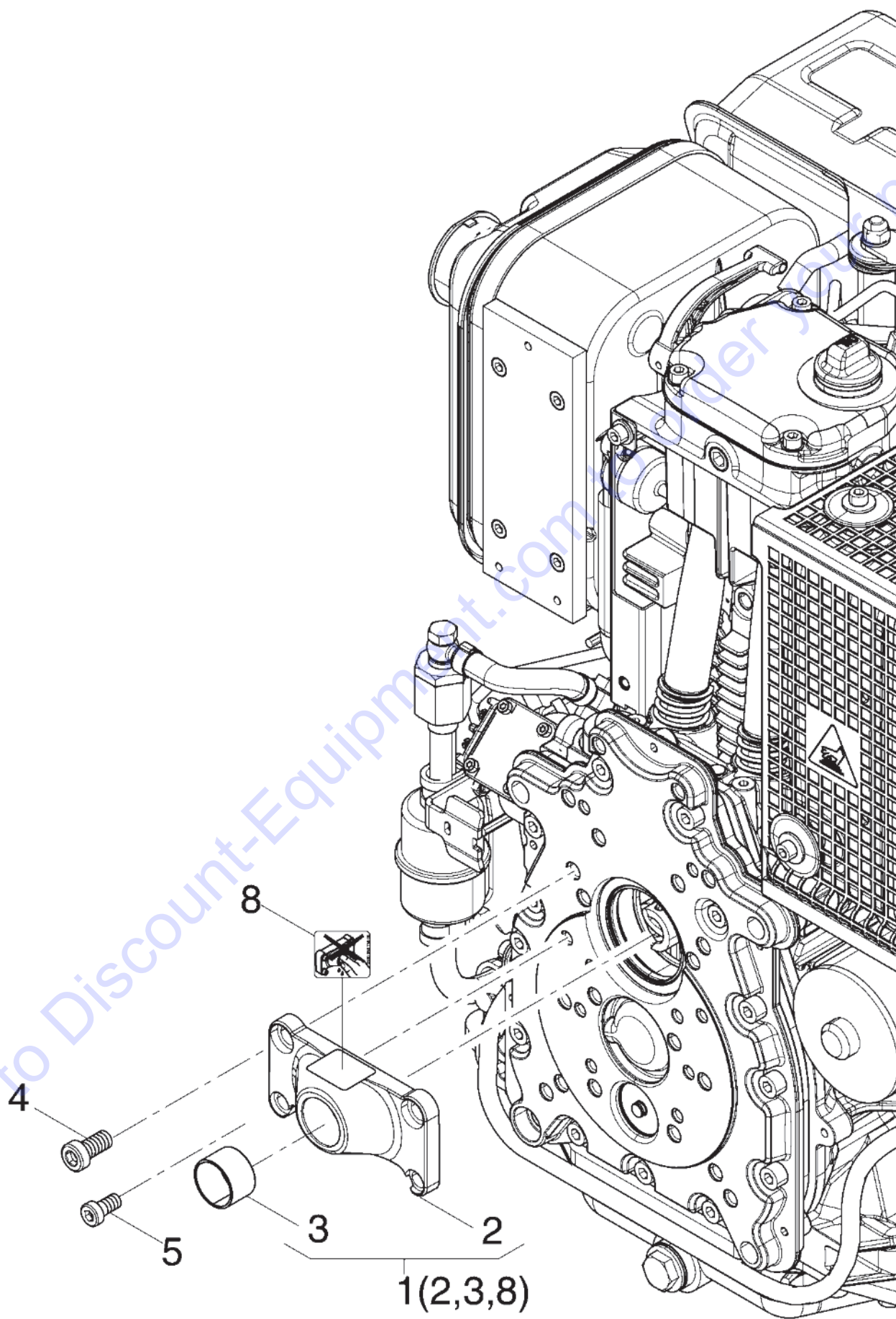
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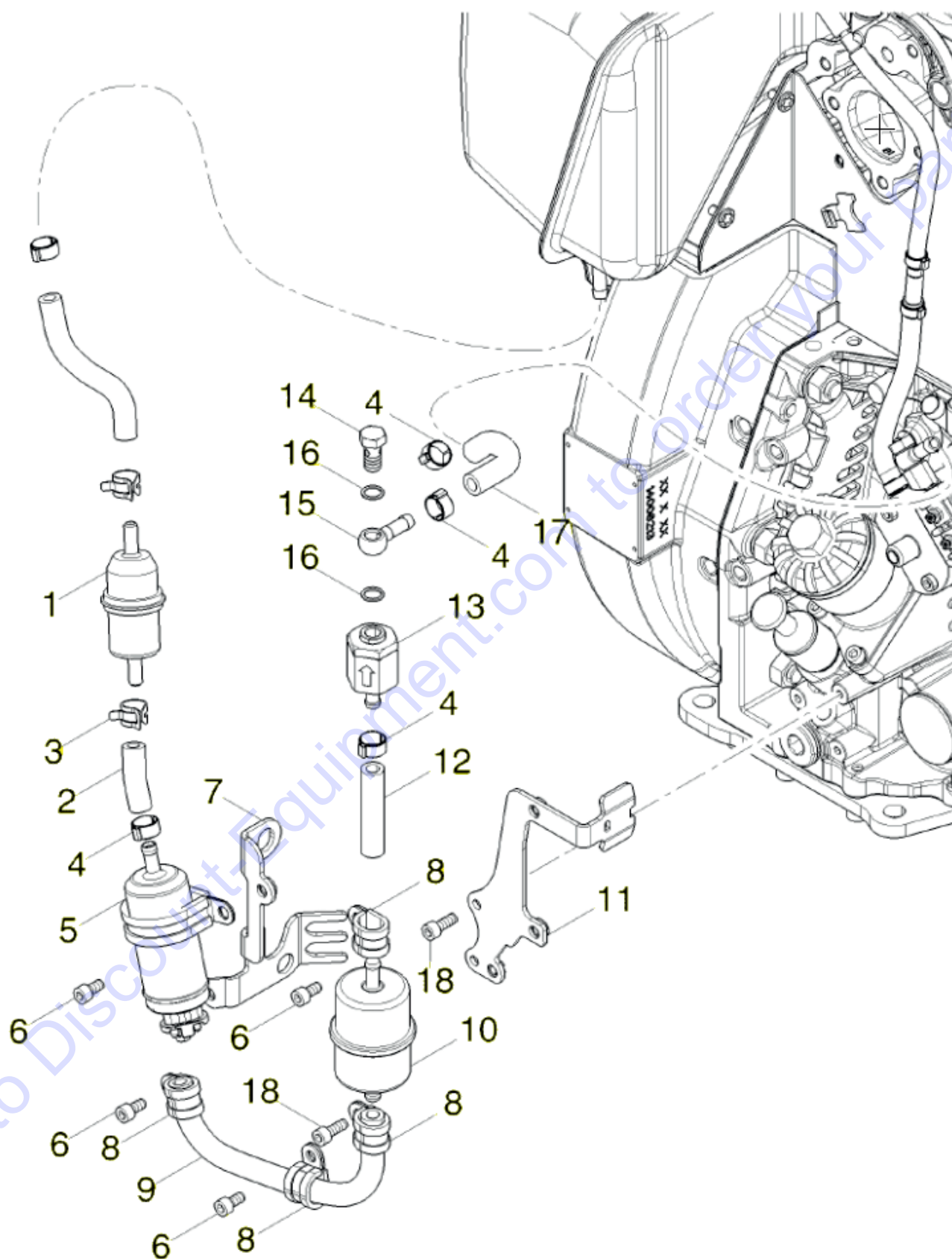
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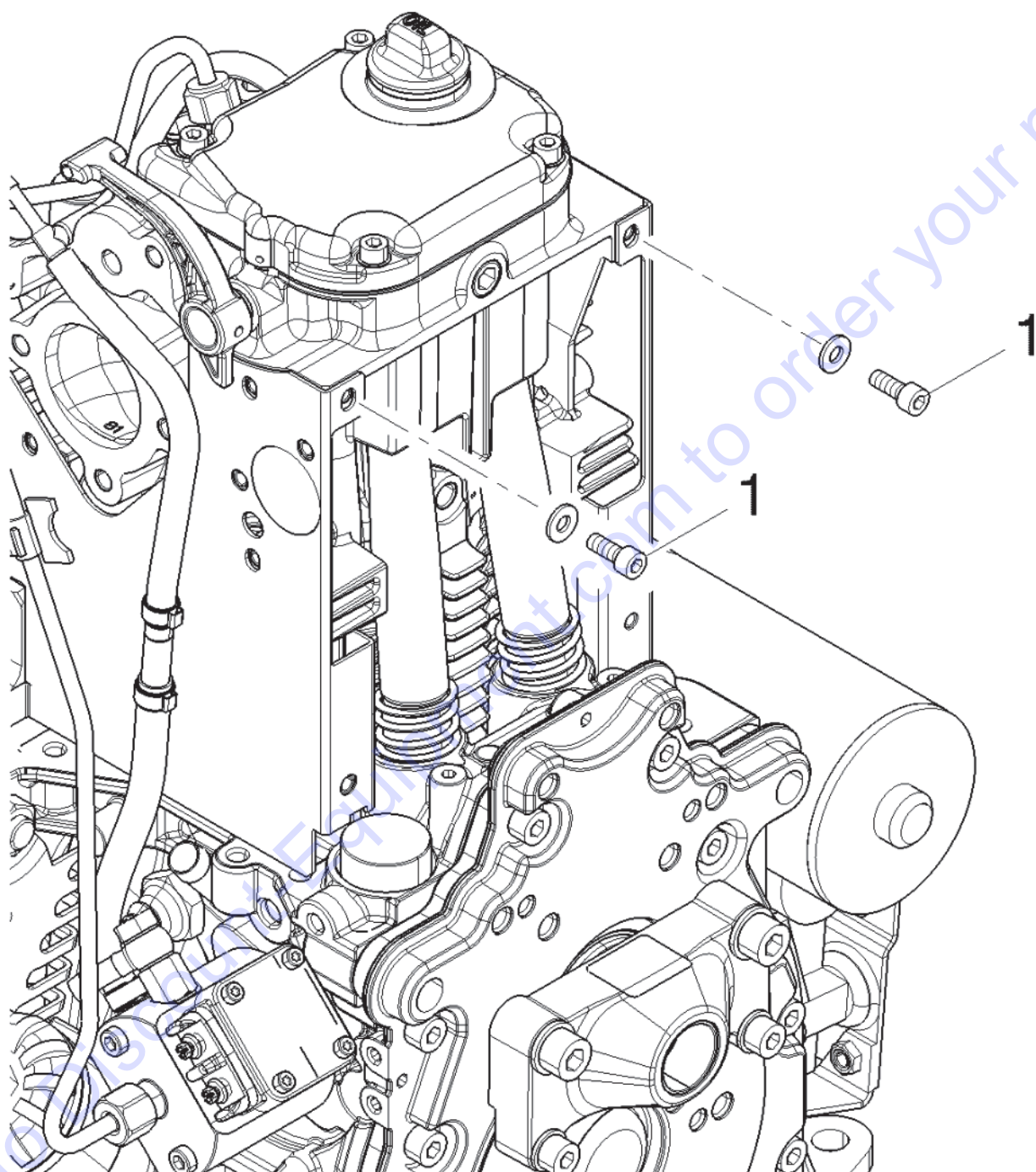
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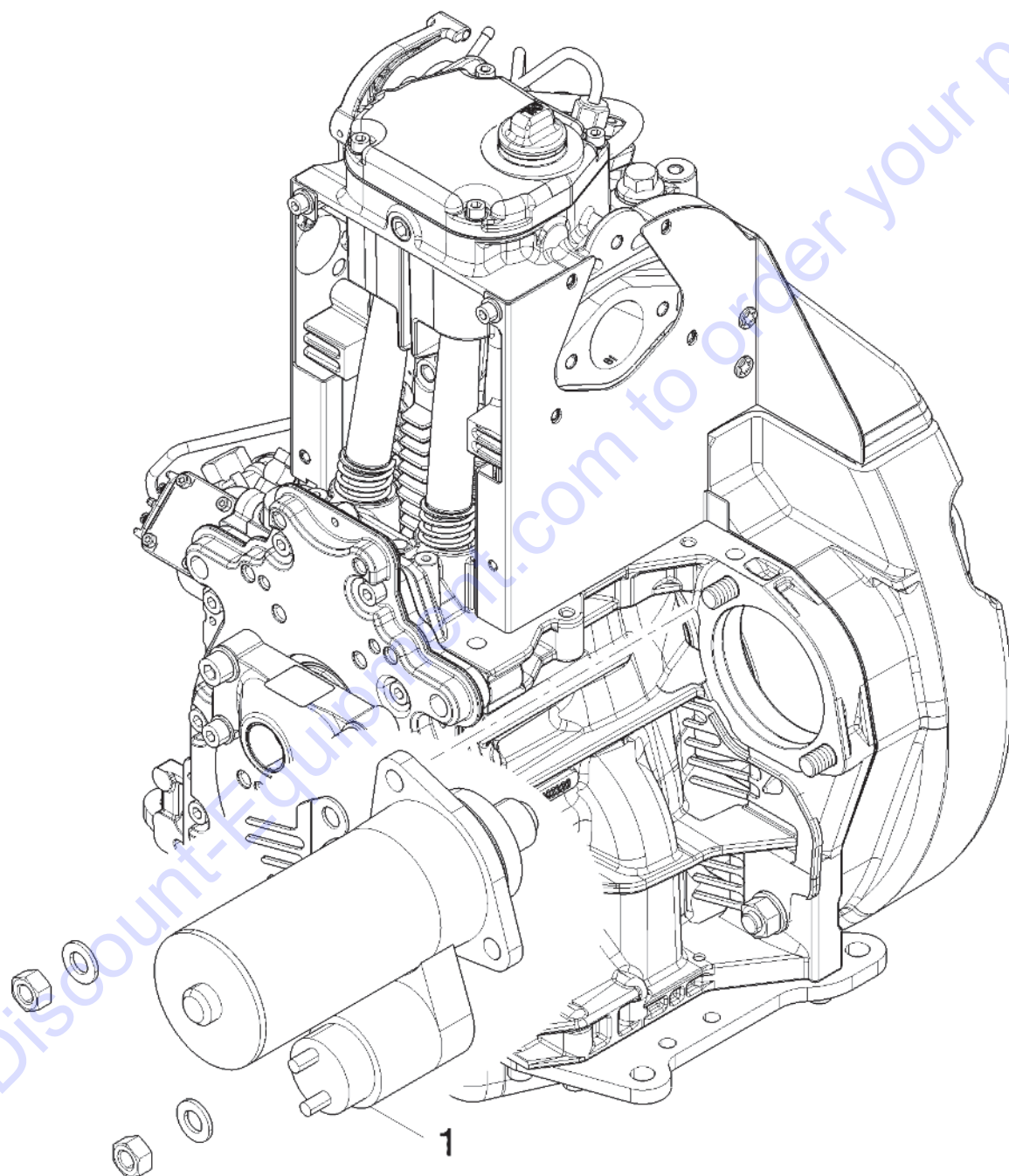
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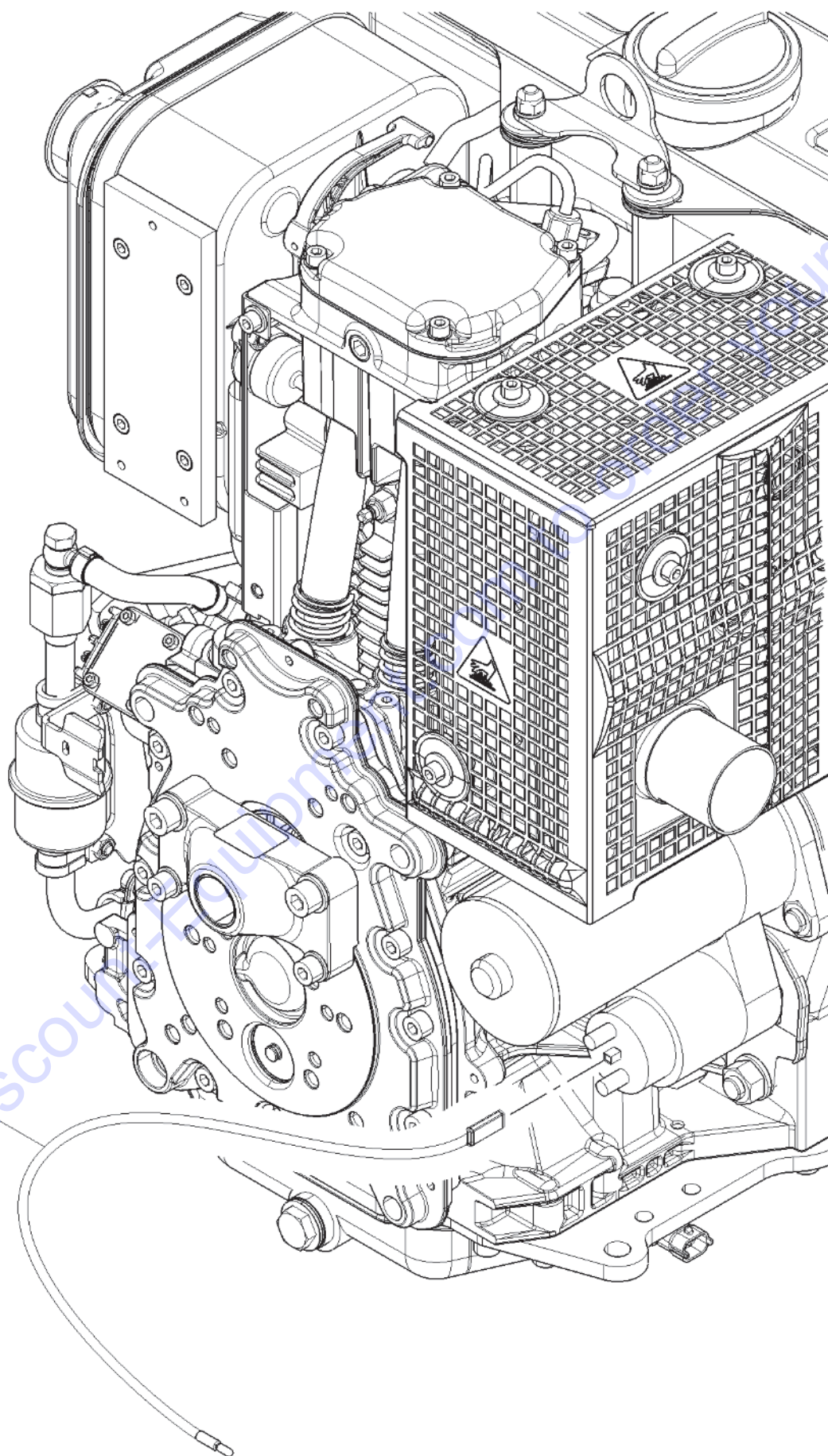
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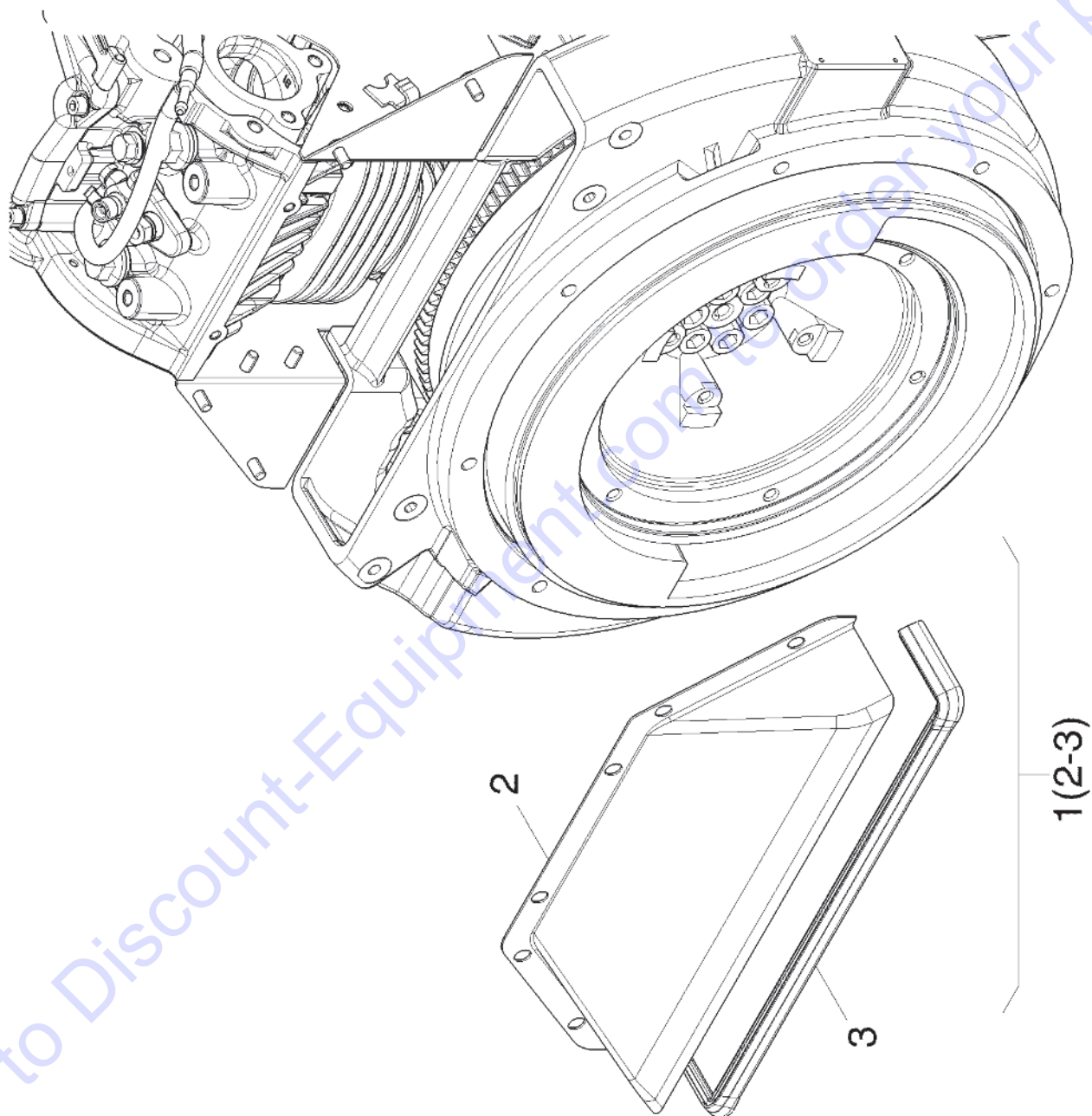
0560 000002088901 Electrcic starter 12V 1 D 90 E.10 | Starter 12V 1 D 90 E.10

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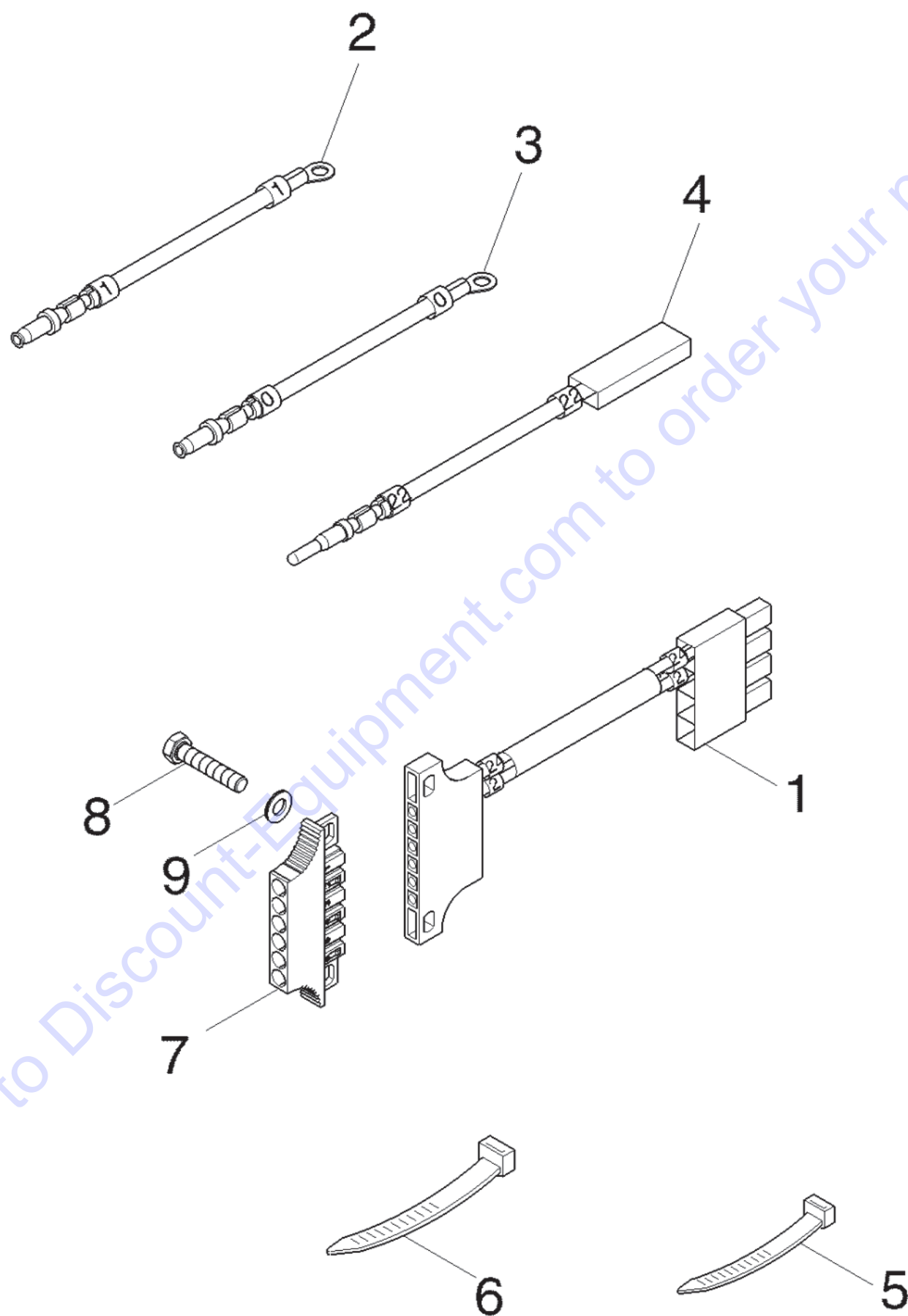
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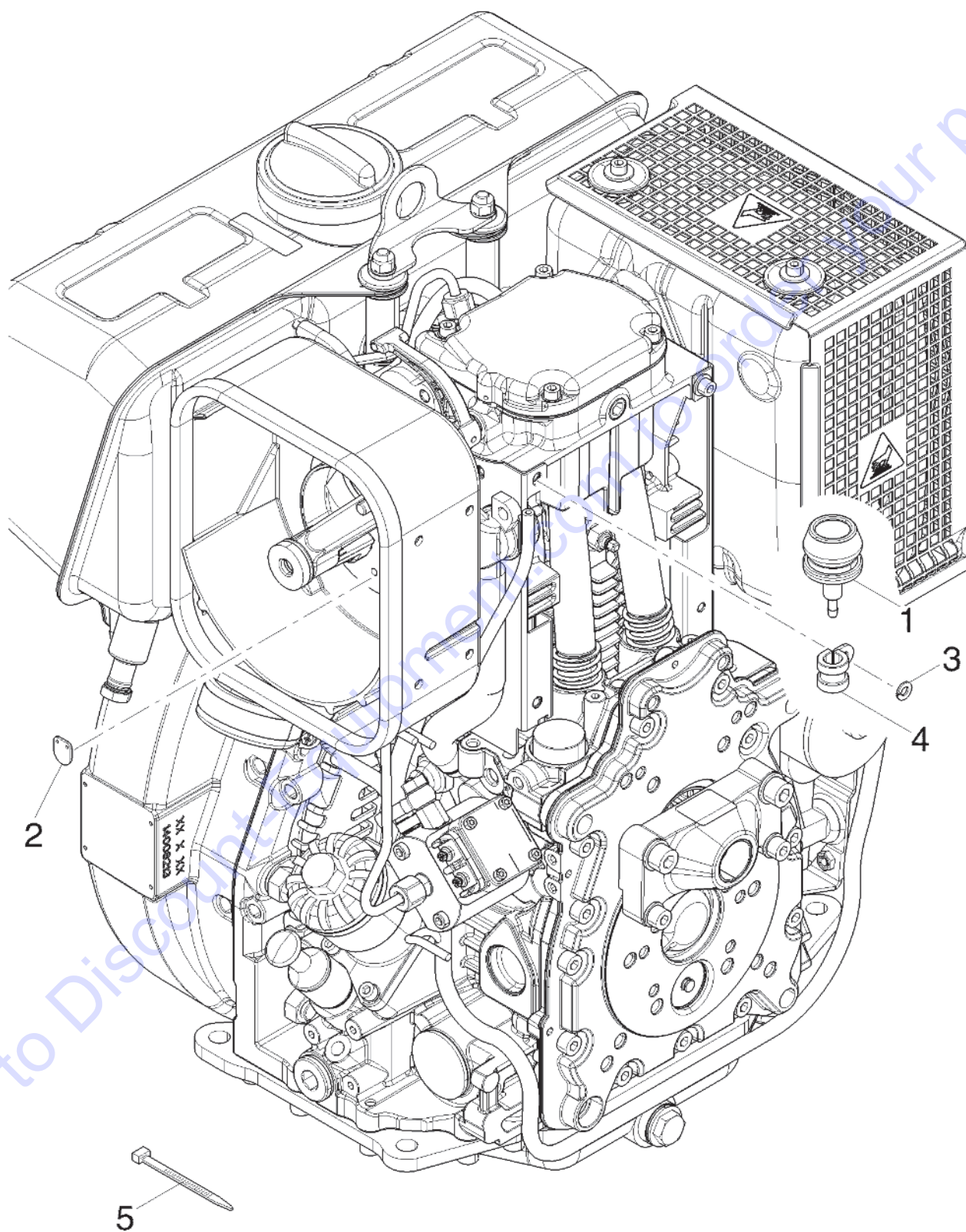


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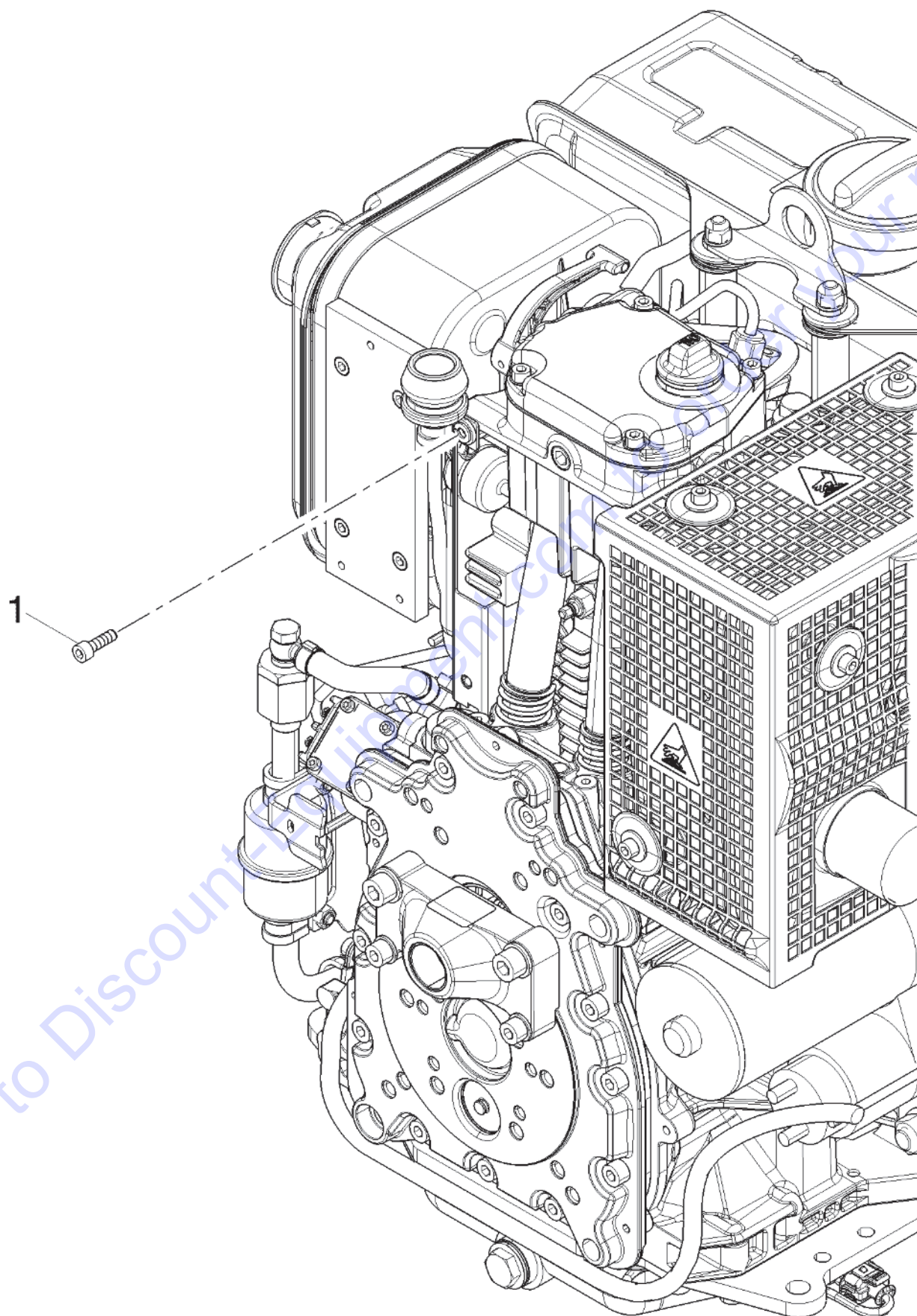
0585 000002608200 Engine harness 1 D 90 E.10 | Verdrahtung Motor 1 D 90 E.10

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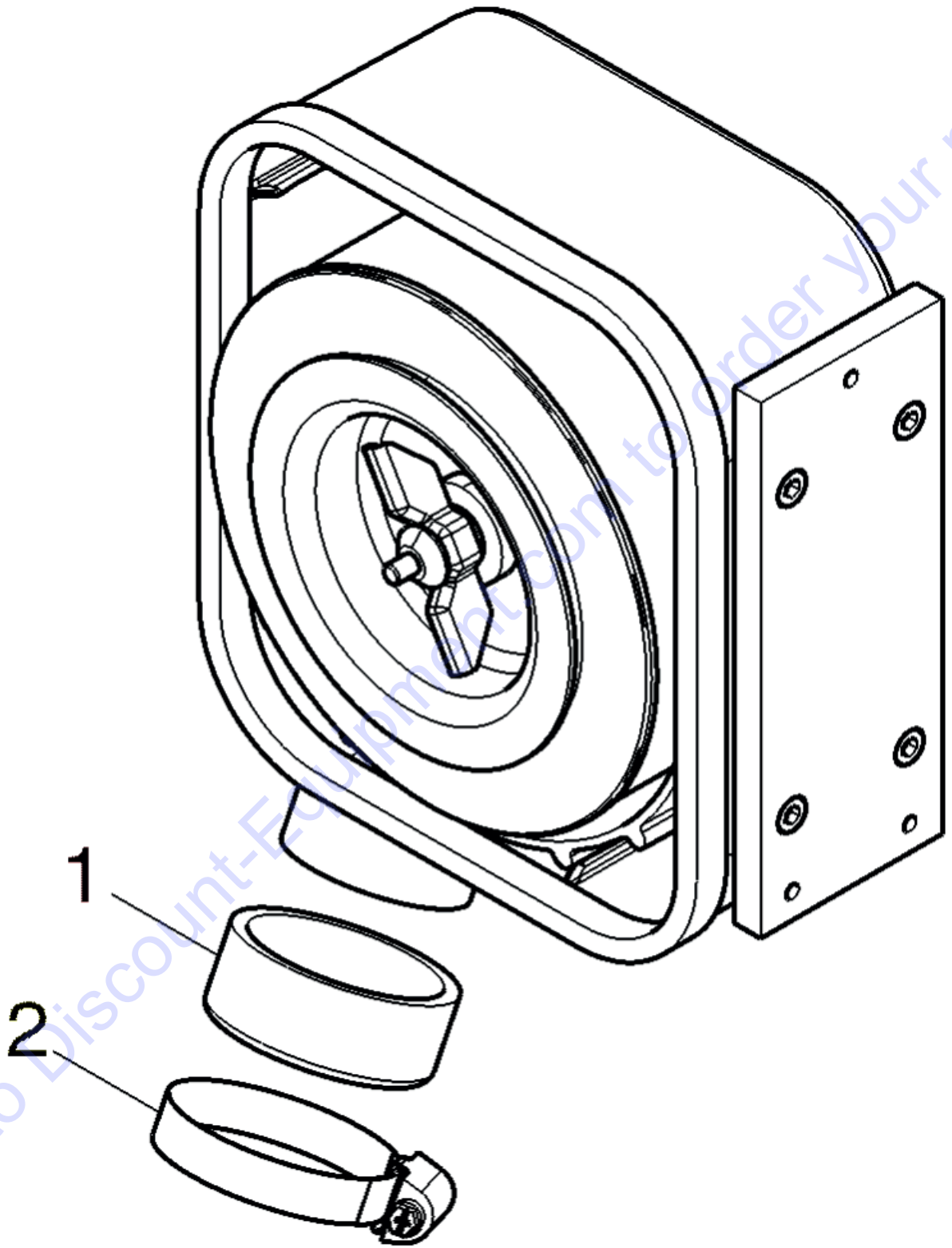
590 000002087200 Maintenance indicator 1 D 90 E.10 | Wartungsanzeiger 1 D 90 E.10

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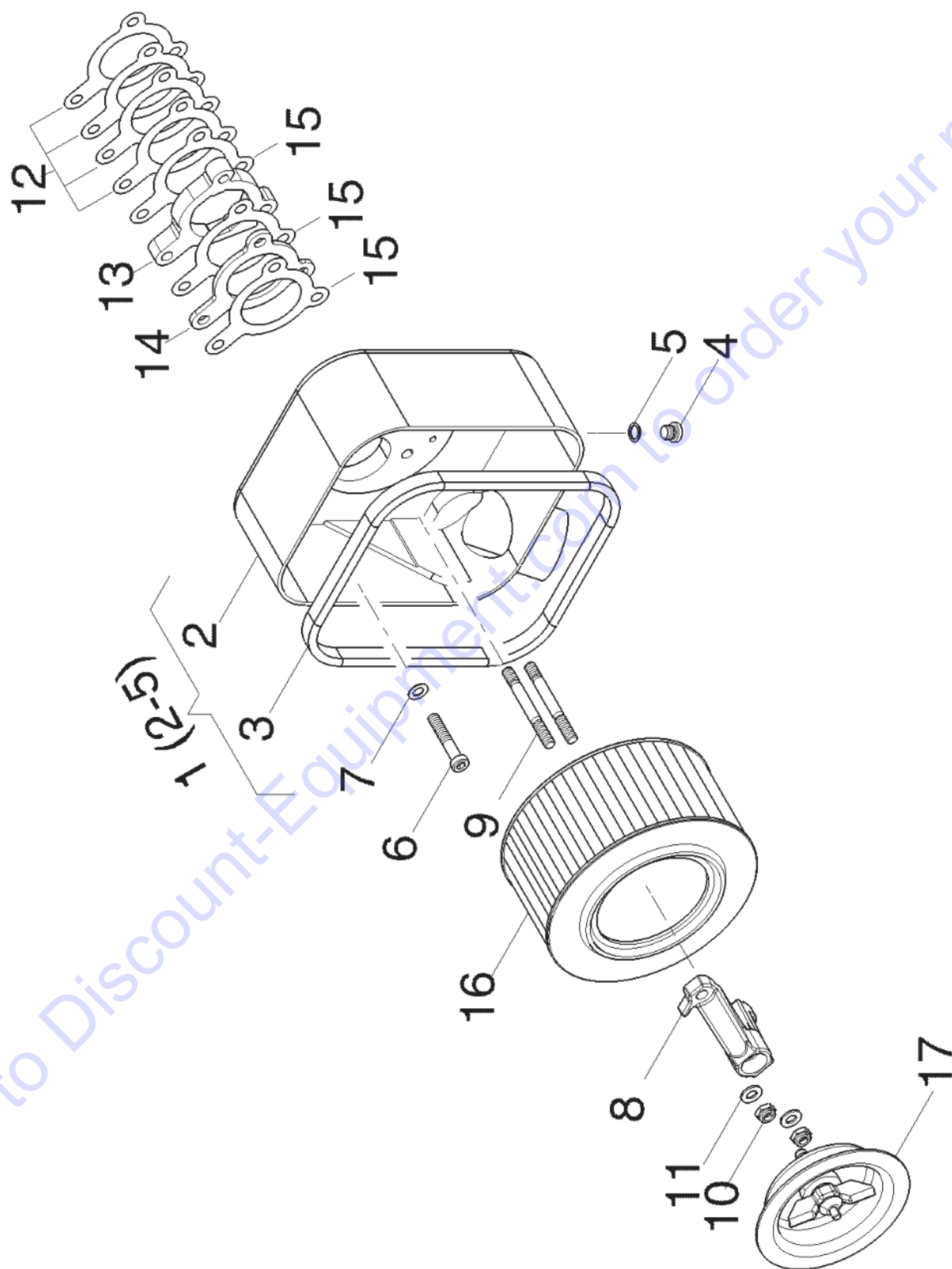


0591 000050170600 All.Scr.M 6X 20 1 D 90 E.10 | Zyl-Schr.M 6X 20 DIN912-8.8A3B(4762) 1 D 90 E.10

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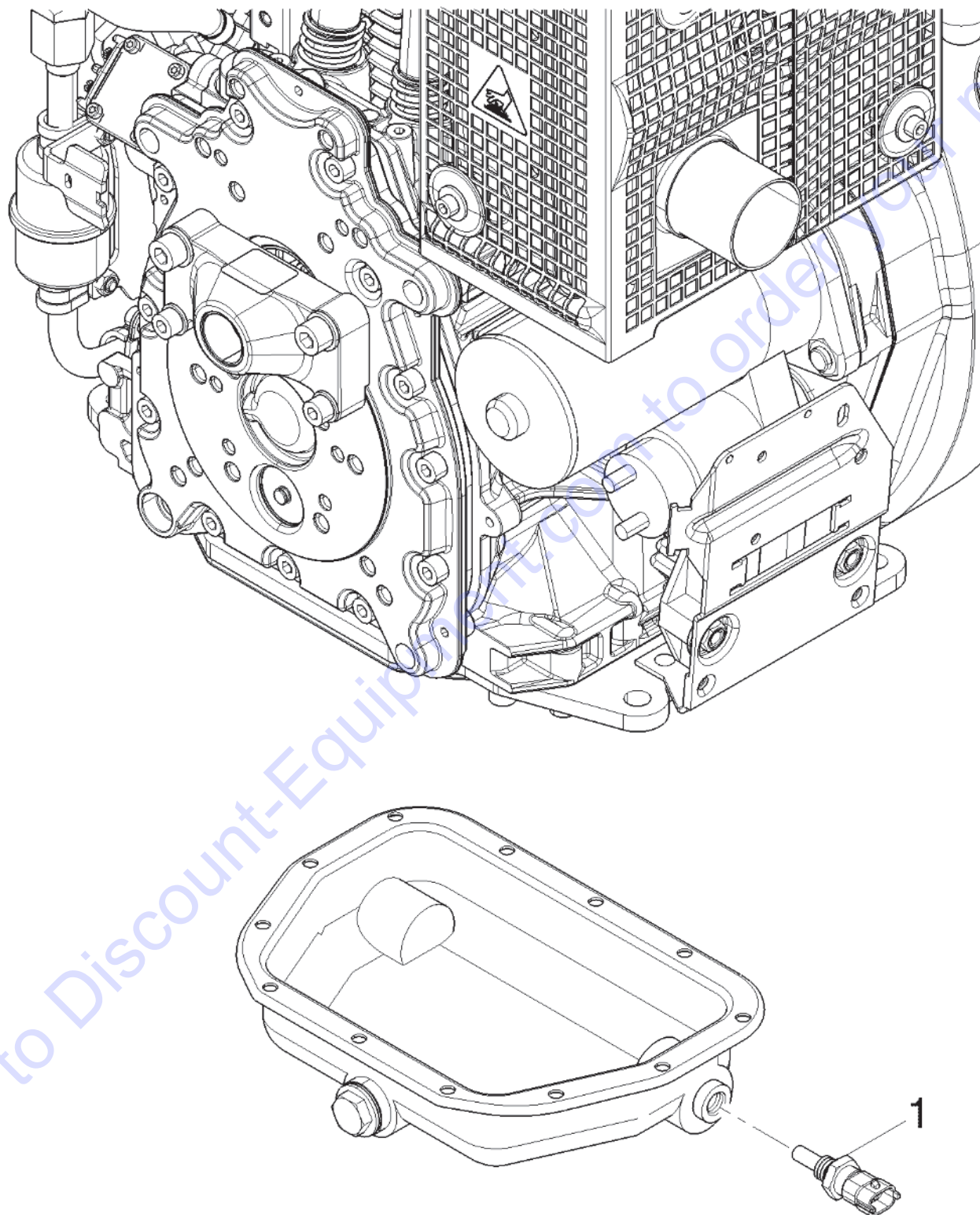
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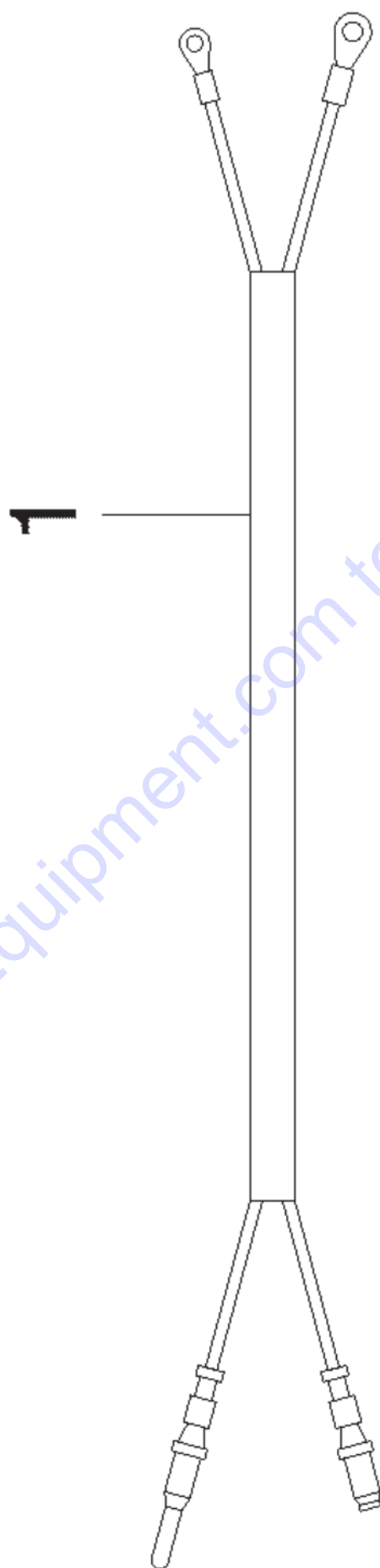
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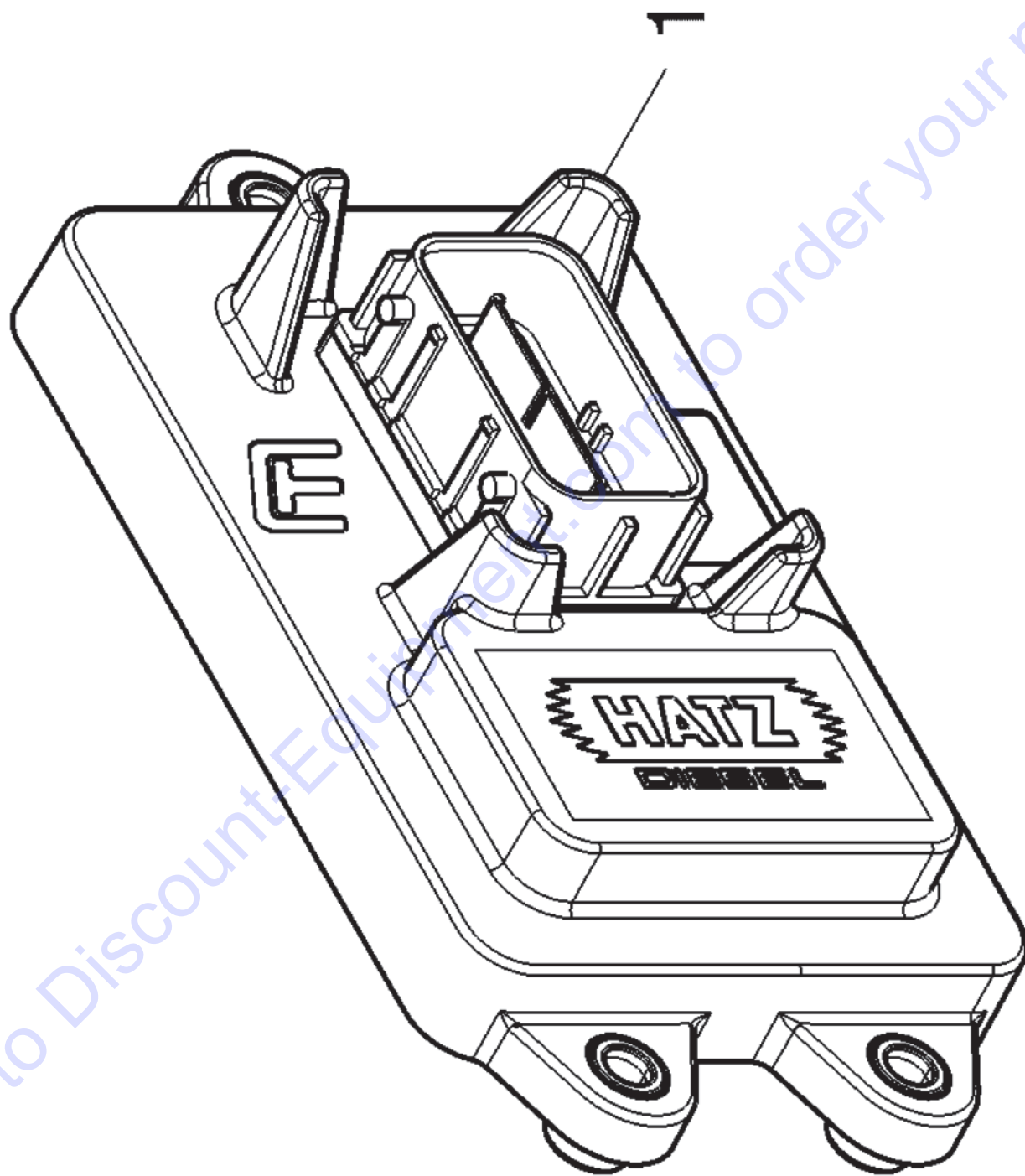


0665 000050633600 Temperatures sensor oil 1 D 90 E.10 | Temperaturgeber Öl 1 D 90 E.10

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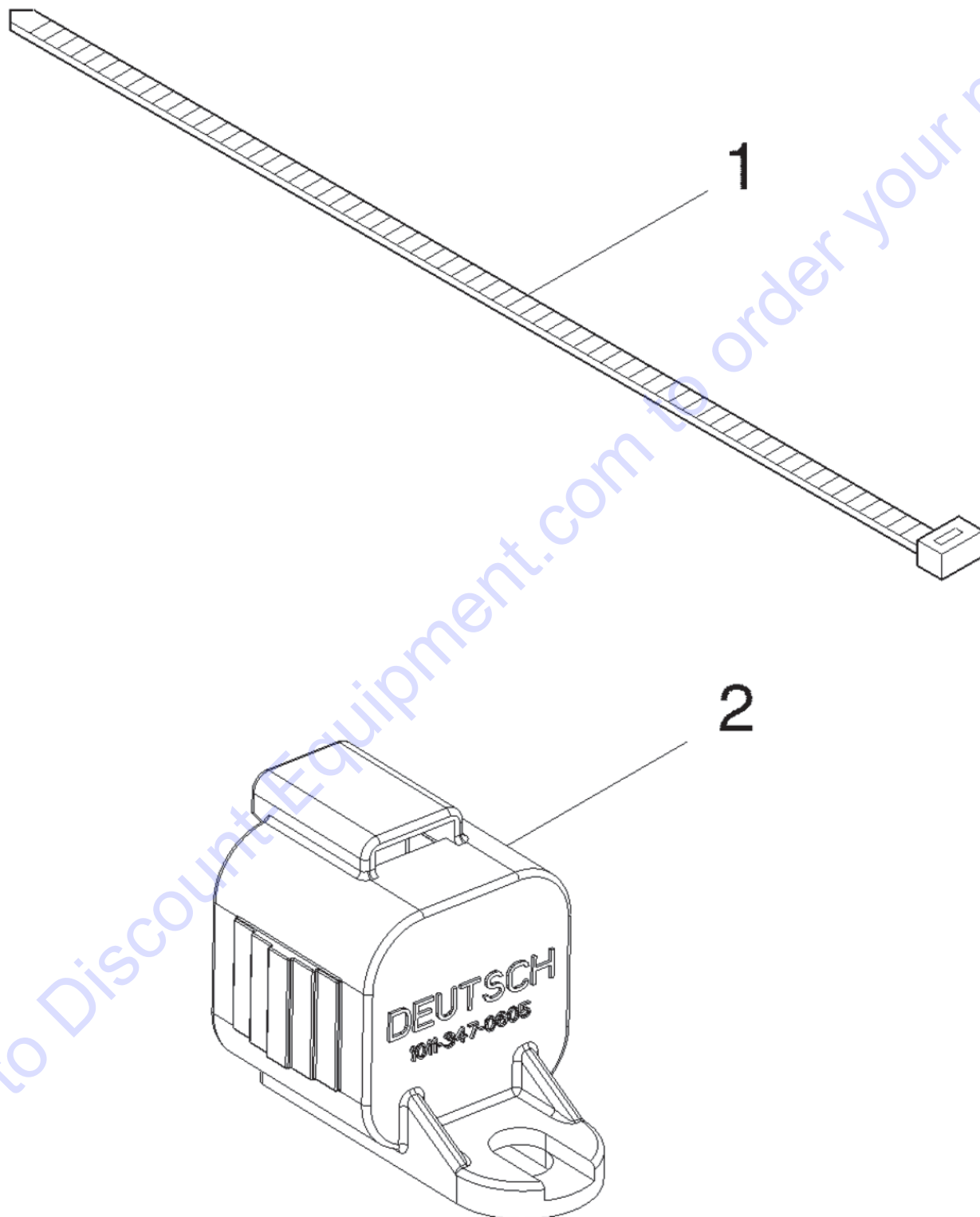


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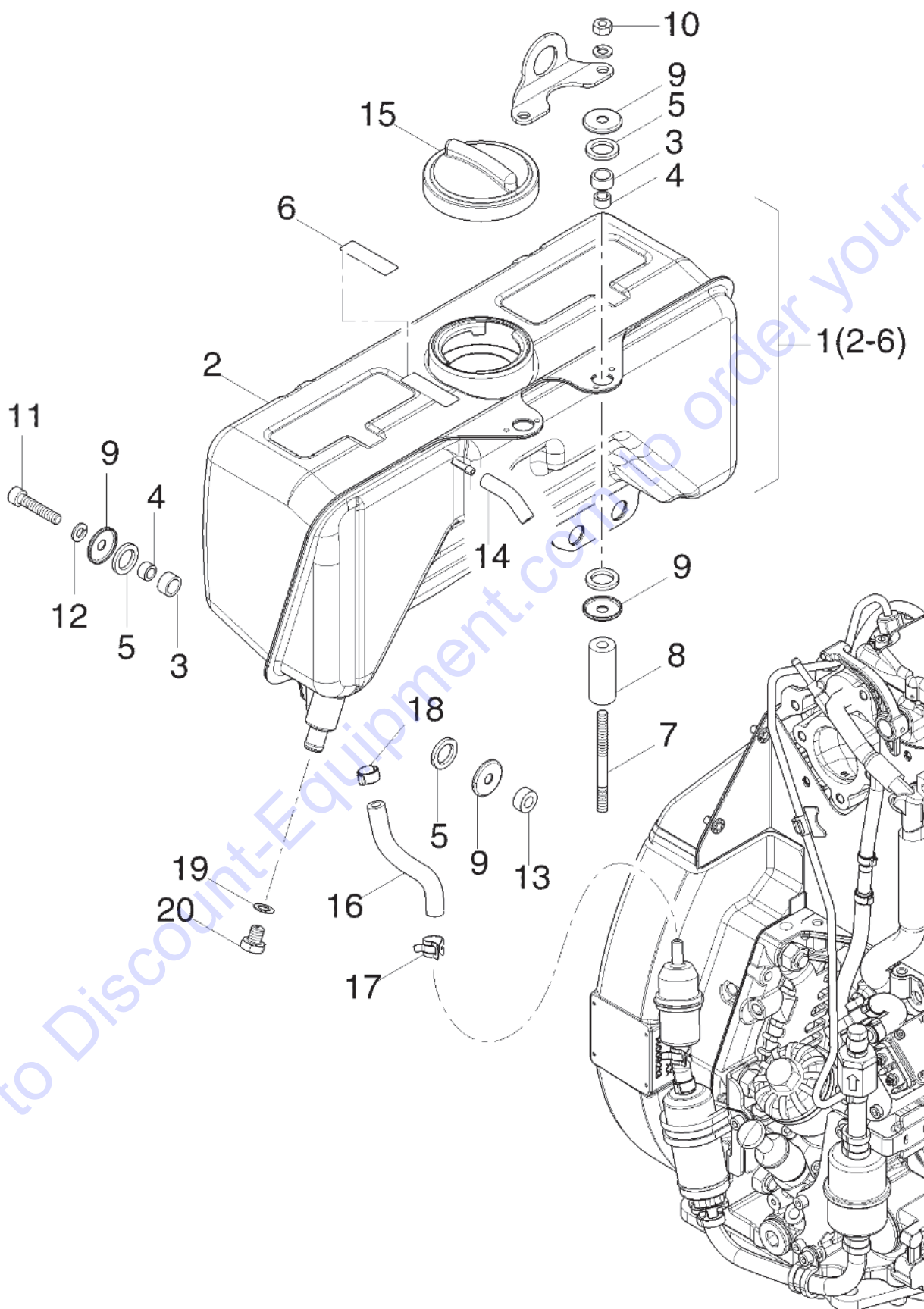


0720 000002608300 Cr-Control 4G 1 D 90 E.10 | Steuergeraet E-Controls 4G 1 D 90 E.10

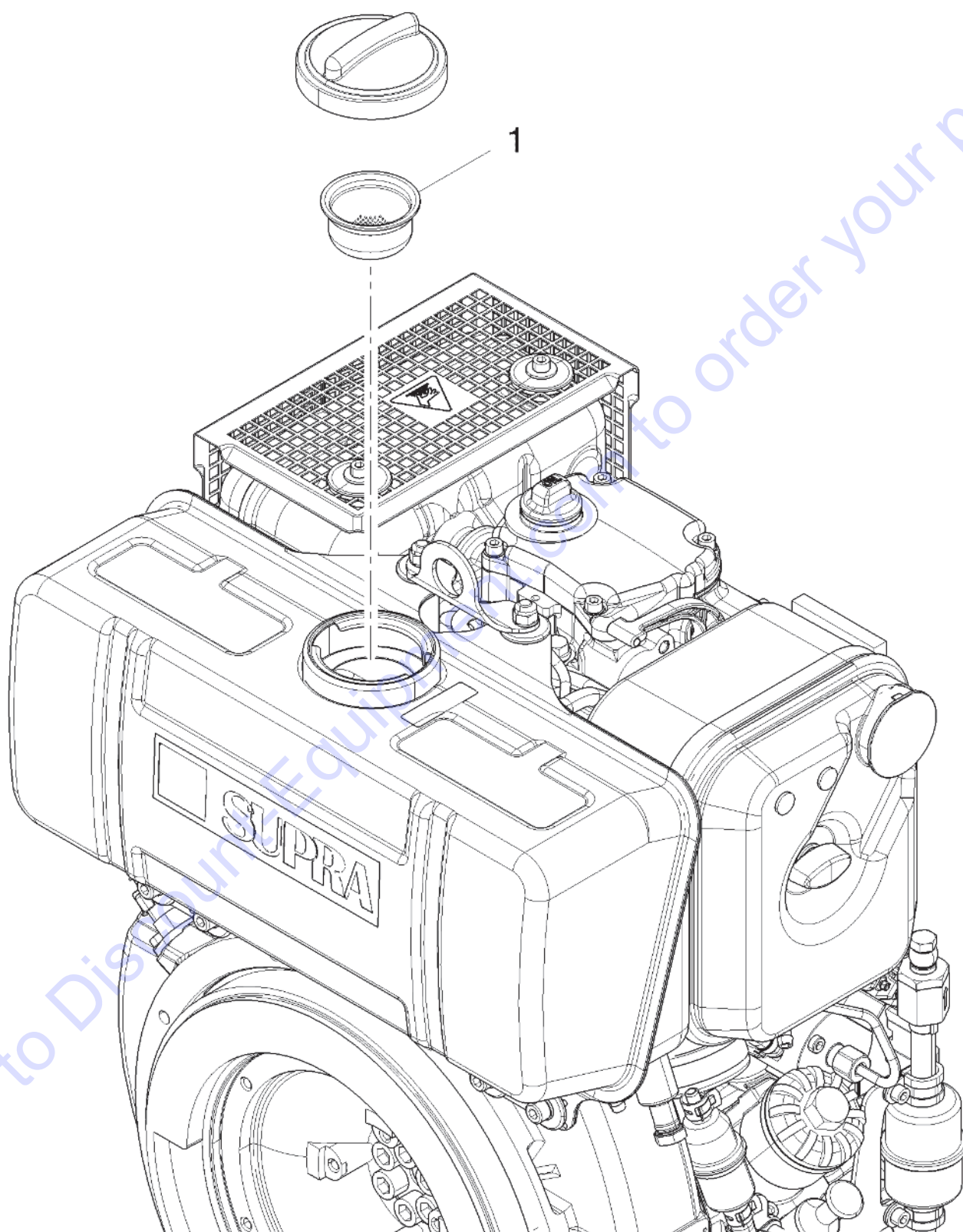
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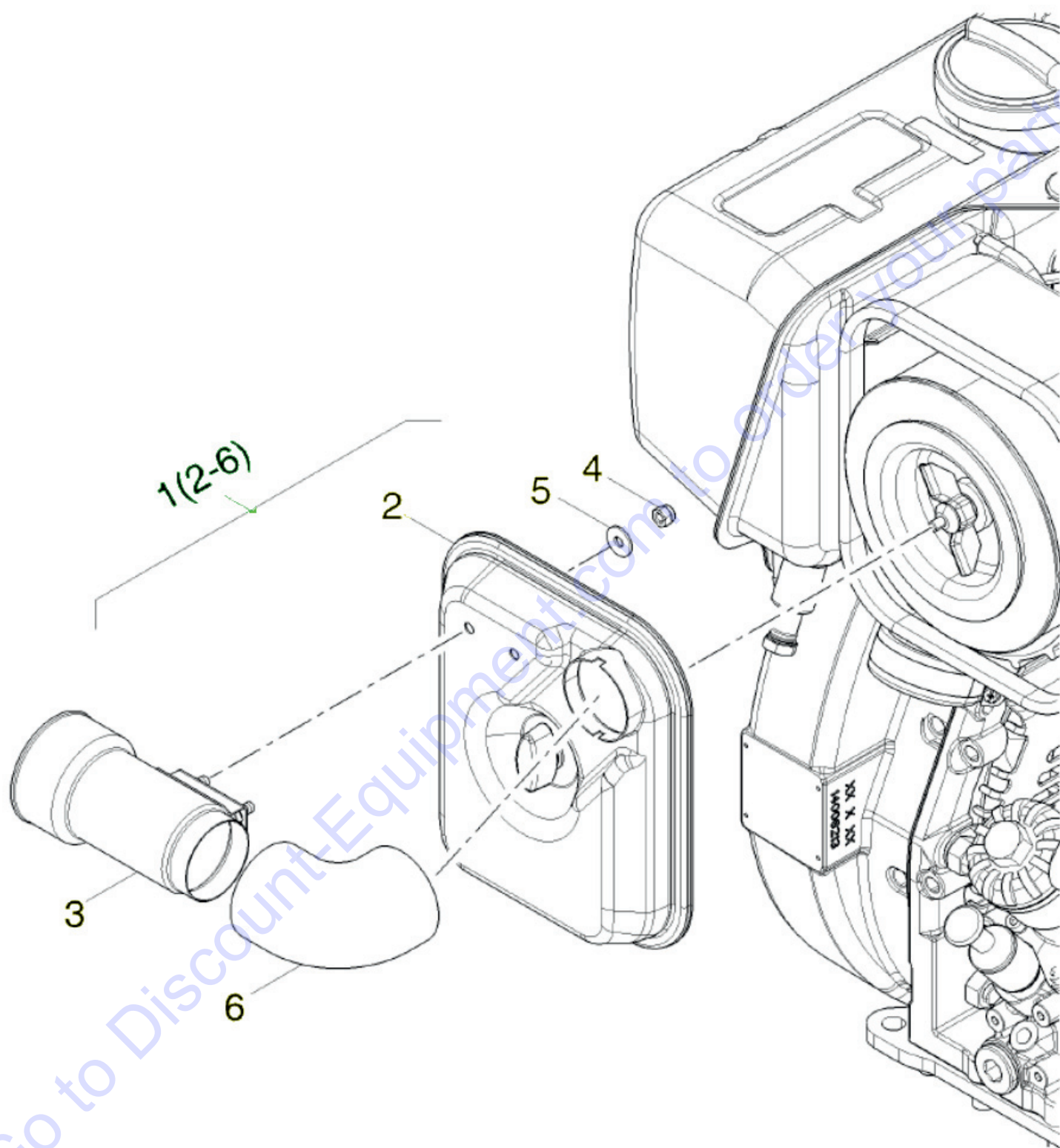
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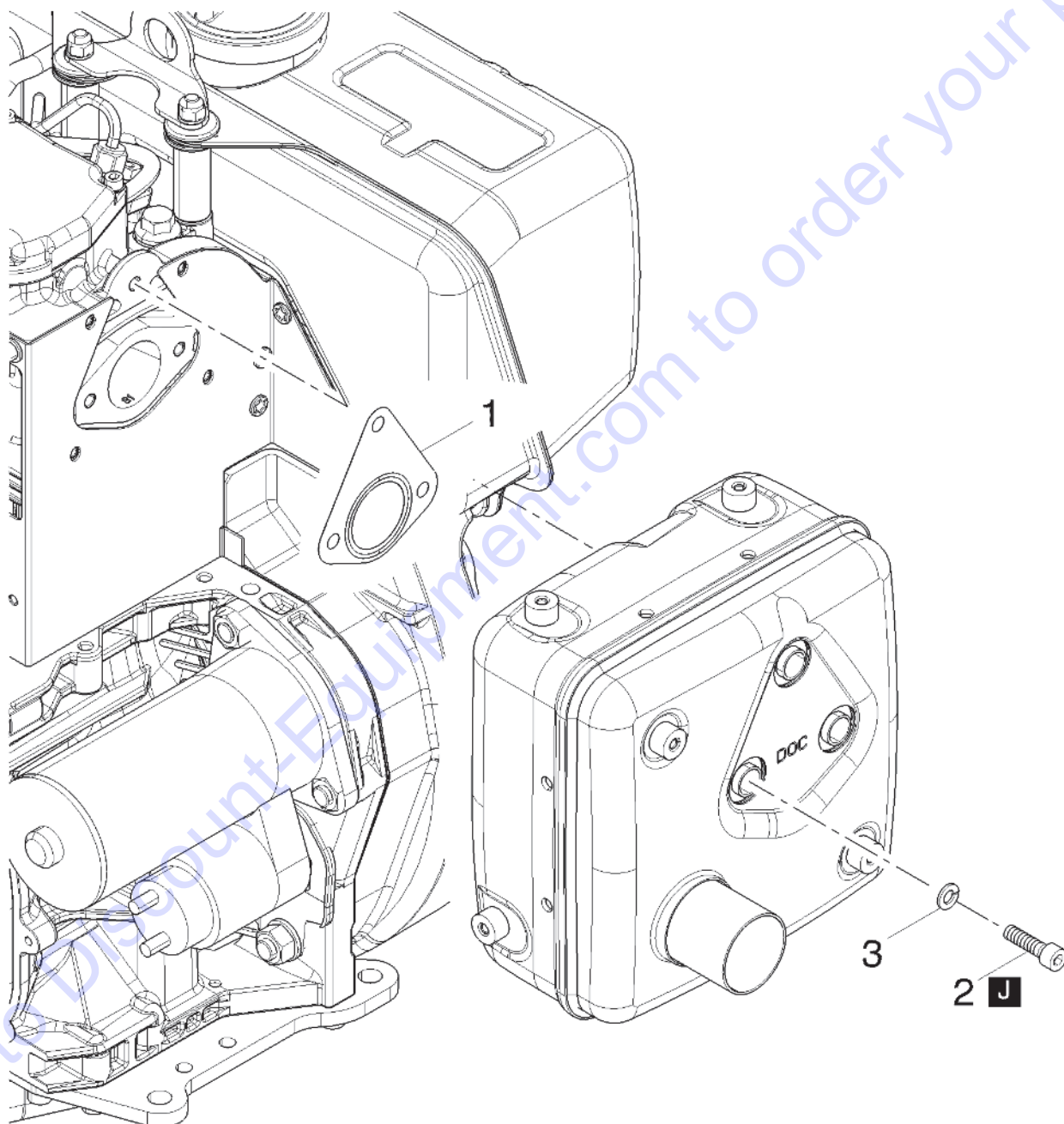


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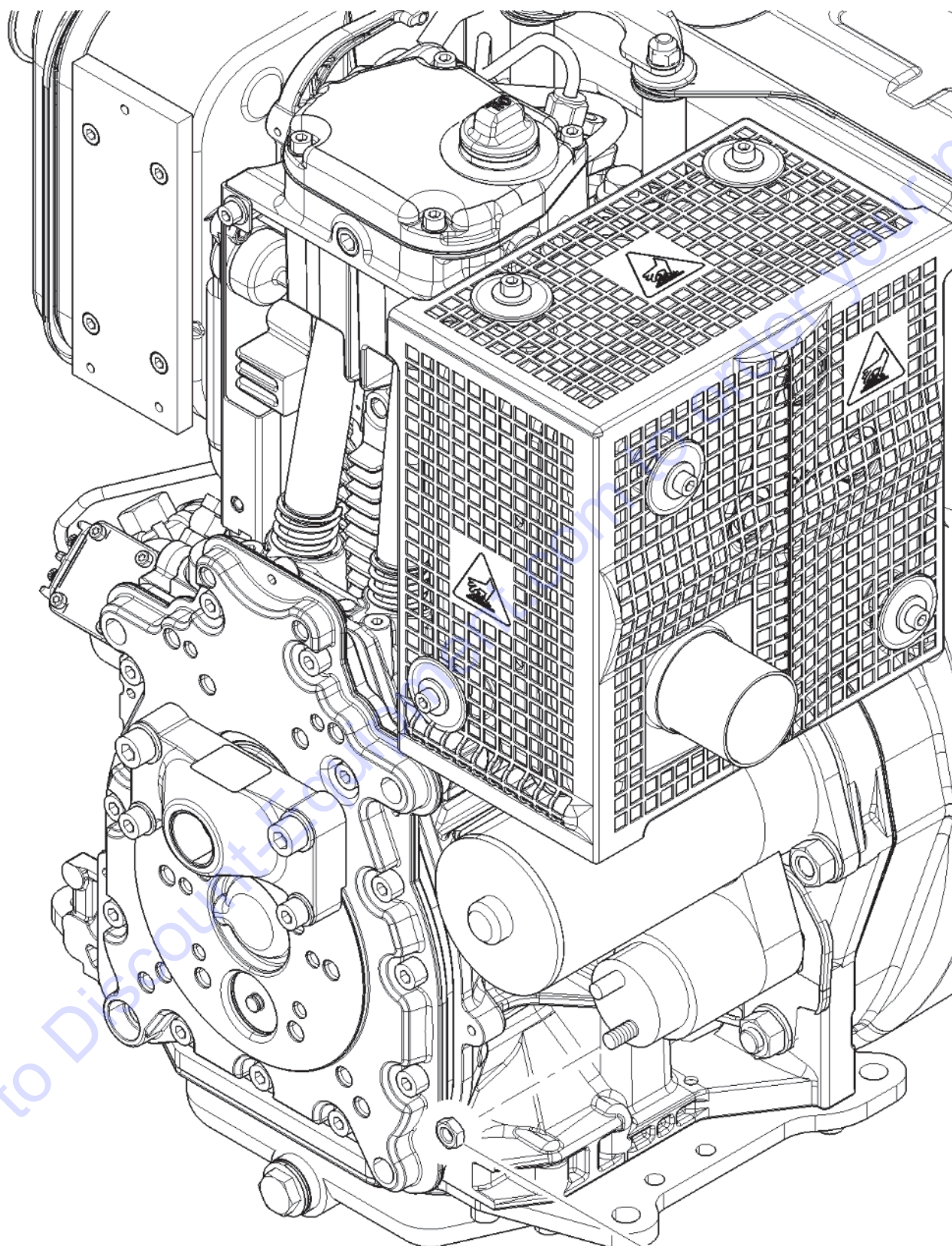
0880 000001684520 Cover for airfilter 1 D 90 E.10 | Deckel zum Luftfilter+Zyklon 1 D 90 E.10

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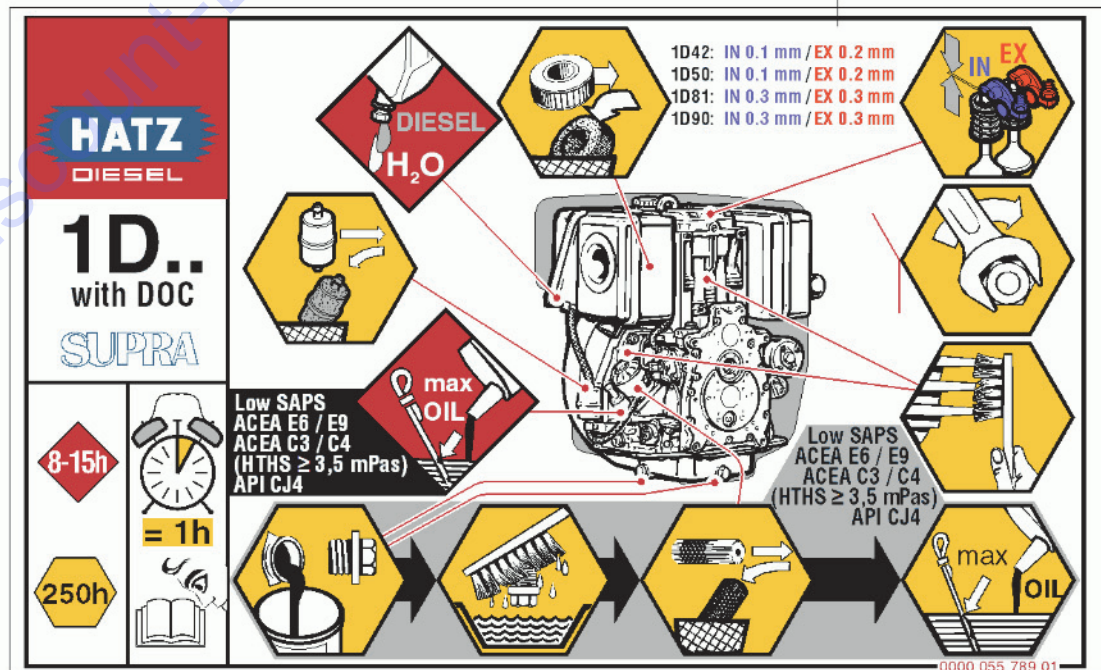
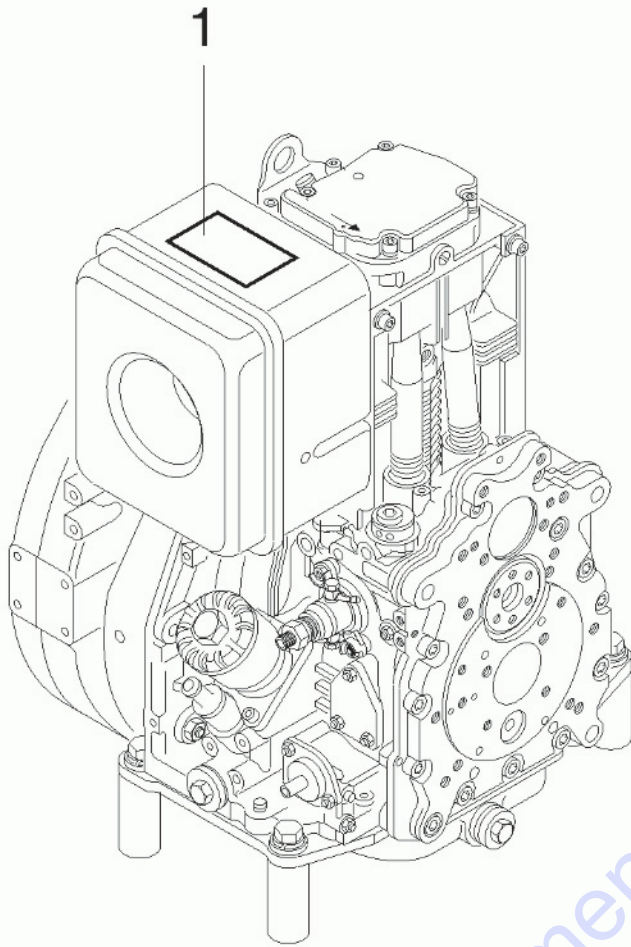
0945 000002129900 Fixing parts for starter exhaust 1 D 90 E.10 | Befestigungsteile Abgasdämpfer 1 D 90 E.10

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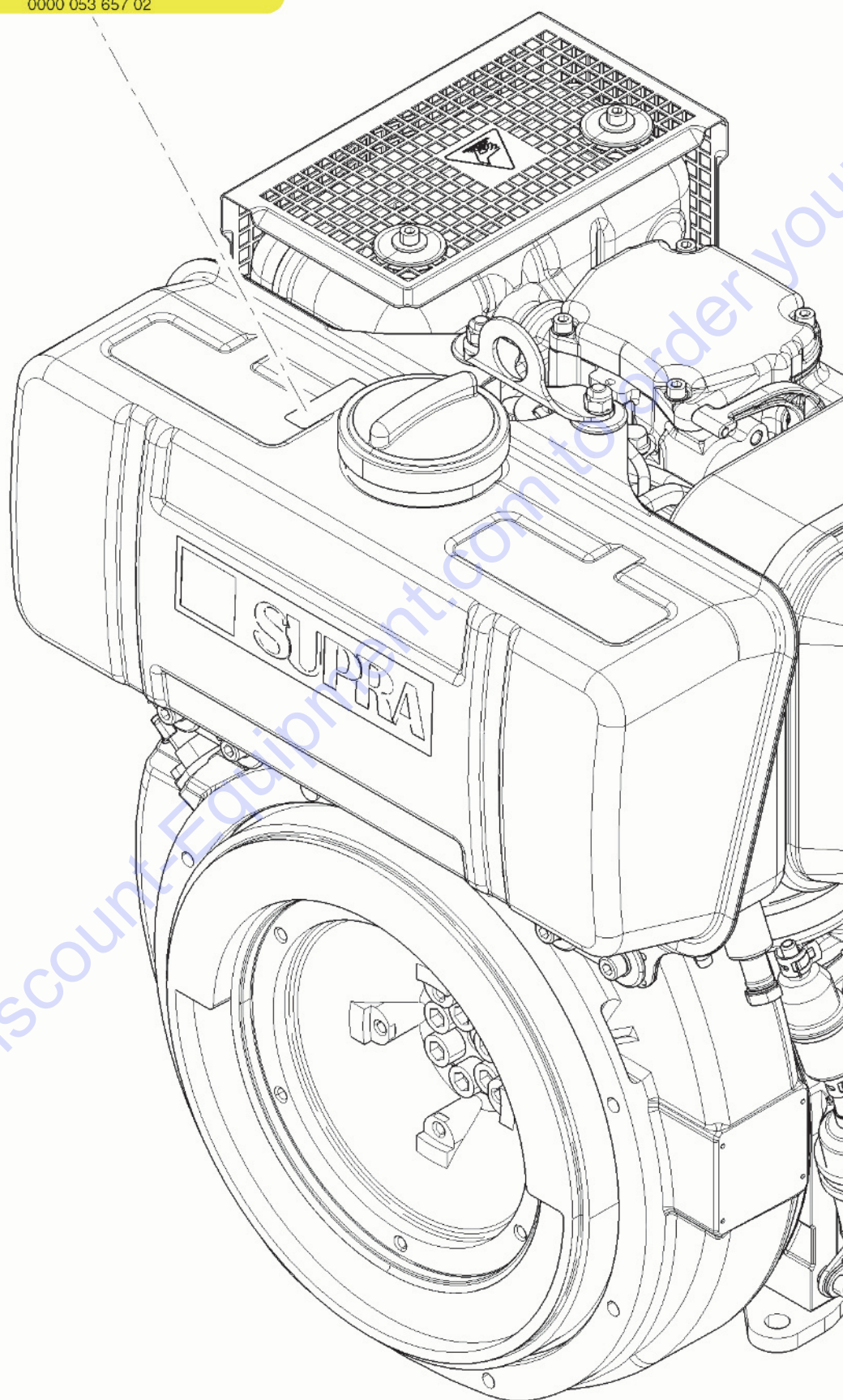


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