

Operator's Safety and Service Manual

Concrete Mixer



CM7

CM9

CM12

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Equipment**

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It is the OWNER'S RESPONSABILITY to communicate information on the
SAFE USE and OPERATION of this machine to the operators.

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1. SERIAL NUMBER LOCATION

The model/serial number decal is located on the shroud assembly (black).

(Write model number)



(Write serial number)

The unit's year of manufacture can be determined by the serial number. Contact your nearest sales branch or  for more information.


This Unit warranty is stated in this Operational and Safety manual on page 16. Failure to return warranty registration card renders the warranty null and void.

An engine owner's manual is also attached to every unit. Engine parts may order from any authorized dealer. Refer to the engine owner's manual to learn about specifications and part identification.

2. PARTS ORDERING PROCEDURE:

 Parts are available worldwide and must be ordered through your local distributor. If you can't locate the  distributor in your area refer to page 17 of this manual to locate the nearest branch and contact numbers for assistance.


ALWAYS HAVE READY:


1. Model and serial number of machine when ordering  parts.
2. Model and serial number of engine when ordering engine parts.
3. Item part number(S), description, and quantity.
4. Company name, address, zip code, and purchase order number.
5. Preferred method of shipping.

REMEMBER – you own the best. If repairs are needed use only purchased parts from authorized  distributors.

3. OPERATING INSTRUCTIONS

INTRODUCCION

 Mixers are intended for use in several applications. They are powered by four cycle gas engines or electric motors and are available in different sizes and manufacturers.

This Operation manual contains only standard parts. Variations of these parts as well as other special parts are not included. Contact your local  distributor for assistance in identifying parts not included in this manual.

ASSEMBLY INSTRUCTIONS

1. Remove the mixer and all components from its shipping crate. You will see:
 - Two wheels.
 - Axle assembly with hubs on each side, mounting loops and 8 lug nuts.
 - Selected hitch with lock pin and bolt and safety bolt with hair pin.

Note: All installation hardware must be inserted into its respective location on the mixer, see parts explosion for more details.

2. After removing all mixers' safety packing, while standing on an end, locate the axle's place on the mixer. You need to locate the bolts attached to the mixer shroud, bolted to the pallet and make sure this bolts are removed.
3. Lift the axle up to the mixer frame and position it in the center of the mixer make sure the axle guide are inside the mounting loops (both sides) before you hook the axle on the mixers springs or mixer frame (depending mixer size) and bolt the mounting loops.
4. Insert two 1/2 inch bolts with a washer through the mounting loops to secure the axle. Faster each mounting loop side and tight the bolts at 57 ft.-lbs.
5. Remove the lug nuts from the axle and mount the speed wheel, after wheel is mounted proceed to place the lug nuts (make sure the conical (tapered) end is facing the inside of the wheel. Torque to 105 ft.-lbs.
6. Proceed with the second wheel using the steps of point #3.
7. Using appropriated Equipment, put the mixer down to the ground.



Warning: failure to use proper lifting equipment could cause mixer to fall and cause serious injury.

8. Position the safety chain through the key slots in the front leg. Adjust the chain's ends to equal length.
9. Remove the safety bolt and pin from the tow bar.

10. Install the tow bar through the front leg.

11. Insert the pin through the front leg and the front hole in the tow bar. Secure the pin with a hairpin cotter.

Insert the 3/4" bolt through the rear hole and secure with a lock washer and nut.

Tighten securely.

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4. SAFETY PRECAUTIONS



READ AND STUDY THE FOLLOWING SAFETY INFORMATION BEFORE ATTEMPTING TO OPERATE THIS EQUIPMENT. IN ADDITION, ENSURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THIS EQUIPMENT IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

WARNING - LETHAL EXHAUST GAS!

An internal combustion engine discharges carbon monoxide, which is a poisonous and odorless invisible gas. Death or serious illness may result if inhaled. Operate only in an area with good ventilation, **NEVER IN A CONFINED AREA!**

WARNING - DANGEROUS FUELS!

Use extreme caution when storing, handling and using fuels - they are highly volatile and explosive in the vapor state. Do not add fuel while engine is running. Stop and cool the engine before adding fuel.

DO NOT SMOKE WHEN REFUELING!

SAFETY GUARDS

It is the owner's responsibility to ensure **ALL GUARDS AND SHIELDS** are in place and in working order.

IGNITION SYSTEMS

Breakerless magneto and batteries ignition systems **CAN CAUSE SEVERE ELECTRICAL SHOCKS**, avoid contact with these components or their wiring.

SAFE DRESS

DO NOT WEAR loose clothing, rings, wristwatches, etc., near machinery.

NOISE PROTECTION

Wear O.S.H.A. specified hearing protection devices.

FOOT PROTECTION

Wear O.S.H.A. specified steel tip safety shoes.

HEAD PROTECTION

Wear O.S.H.A. specified safety helmets.

EYE PROTECTION

Wear O.S.H.A. specified eyes shields, safety glasses, and sweat bands.

DUST PROTECTION

Wear O.S.H.A. specified dust mask or respirator.

OPERATOR

Keep children and bystanders off and away from the equipment.

OPERATOR

For details on safety rules and regulations in the United States, contact your local Occupational Safety and Health Administration (O.S.H.A.) office. Equipment operated in other countries must be operated and serviced in accordance and compliance with any and all safety requirements of such country. The publication of these safety precautions is done for your information does not by the publication of these precautions, imply or in any way represent that these are the sum of all dangers present near equipment. If you are operating a _____ unit it is your responsibility to insure that such operation is in full accordance with all applicable safety requirements and codes. All requirements of the United States Federal Occupational Safety and Health Administration Act must be met when operated in areas that are under the jurisdiction of that United States Department.

5. SAFETY NOTICE & DECALS



IMPORTANT NOTICE



The "SAFETY ALERT SYMBOL" is used to call attention to items or operations that may be dangerous to those operating or working with this equipment. These symbols can be found throughout the manual and on the unit itself. Please read these warnings and cautions carefully.

READ SAFETY DECALS CAREFULLY

Carefully read and follow all safety decals. Keep them in good conditions. If they become aged, replace as required. If repainting, **REPLACE ALL** decals. Decals are available from your authorized Distributors. Decals are not shown to scale.



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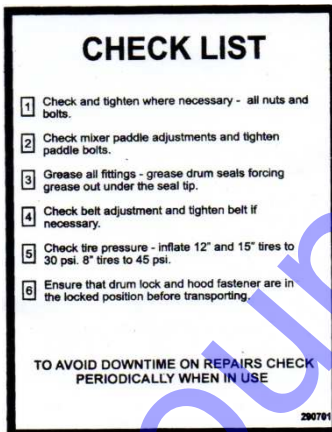
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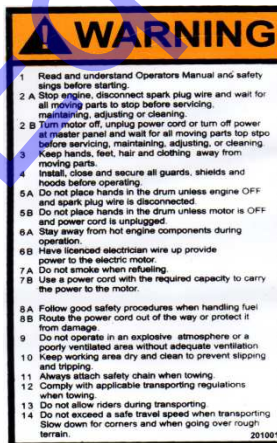
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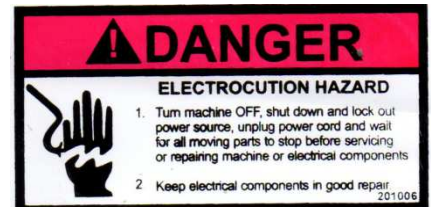
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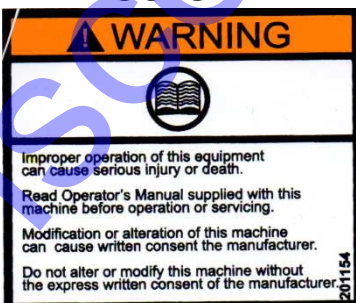
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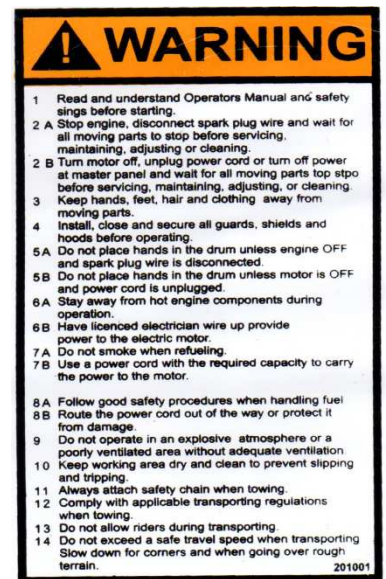
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6. SAFETY DECAL LOCATION

WARNING

1. Read and understand Operator's Manual and safety signs before starting.
2. Stop engine, disconnect spark plug wire and wait for all moving parts to stop before servicing, repairing, adjusting or cleaning.
3. Turn motor off, unplug power cord or turn off power at master panel and wait for all moving parts to stop before servicing, maintaining, adjusting, or cleaning. Hands, face, feet and clothing away from moving parts.
4. Inspect, clean and secure all guards, shields and hoods before operating.
- 5A. Do not place hands in the drum unless engine OFF and spark plug wire is disconnected.
- 5B. Do not place hands in the drum unless motor is OFF and power cord is unplugged.
- 6A. Step away from hot engine components during operation.
- 6B. Never disconnect electrical wire up provide power to the electric motor.
- 7A. Cut power when refueling.
- 7B. Use a power cord with the required capacity to carry the power to the motor.
- 8A. Follow good safety procedures when handling fuel.
- 8B. Route the power cord out of the way or protect it from damage.
9. Do not operate in an explosive atmosphere or a poorly ventilated area without adequate ventilation.
10. Make working area dry and clean to prevent slipping and tripping.
11. Always wear safety seats when towing.
12. Comply with applicable transporting regulations when towing.
13. Do not allow riders during transporting.
14. Do not exceed a safe travel speed when transporting. Slow down for corners and when going over rough terrain.

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EMERGENCY STOP
PUSH TO STOP



WARNING

73 km/hr

Excessive towing speed can cause serious injury or death.
Do NOT exceed 45mph (73km/hr)

- * Make certain that the wheel lug nuts and axle mounting hardware are tight.
- * Check pressure and overall condition of tires.

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NOTICE

- ALWAYS TOW VEHICLE USING TOWING CAPACITY FOR THE WEIGHT OF THE MACHINE.
- LOCATIONS FOR THE HITCH AND THE DRAW BAR IS SHOWN IN PICTURE AND THE SAFETY PIN AT THE END OF THE DRAW BAR IS SECURED IN PLACE.
- ALWAYS REMOVE ALL COTTON FIBER APPROPRIATE BEFORE TRANSPORTING TO PREVENT DAMAGE INTO THE ENGINE. STORAGE.
- MAKE SURE TO LIFT AND POSITION INTO DRIVE AND BRILL ON AND OFF THE VEHICLE.
- SECURITY OF CONNECTION TO TOWING TRAILER, PERIODICALLY CHECK THE CONNECTION WILL BE SAFE.
- BE CAREFUL TO LIFT THE BALL AND LENS OR ASSEMBLY FULLY. ALWAYS MAKE SURE TO SAFELY THE CONNECTIONS. PULL ALL THE CABLES.
- SAFETY CHAIN MUST BE USED AND ATTACHED TO THE HITCH AND THE DRAW BAR. MAKE SURE TO SECURE TO THE HITCH IN THE EVENT OF A HITCH FAILURE.
- ALWAYS WEAR SEATBELT, ELECTRIC BRAKE, PUMP IN USE APPLICABLE.
- MAKE SURE THAT THE WHEELS ARE FULLY INFLATED AND CHECK THE TIRE PRESSURE AND OVERALL CONDITION OF TIRES.
- ALWAYS WEAR SEATBELT AND CHECK THE TIRE PRESSURE AND OVERALL CONDITION OF TIRES.
- TIRE WEAR IF APPLICABLE.

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CAUTION

WHEN TOWING, ENSURE DRAWBAR IS IN THE MIDDLE POSITION

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CAUTION

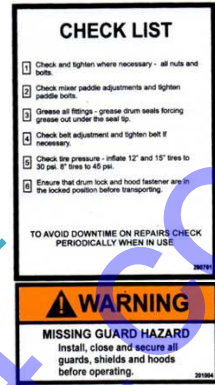
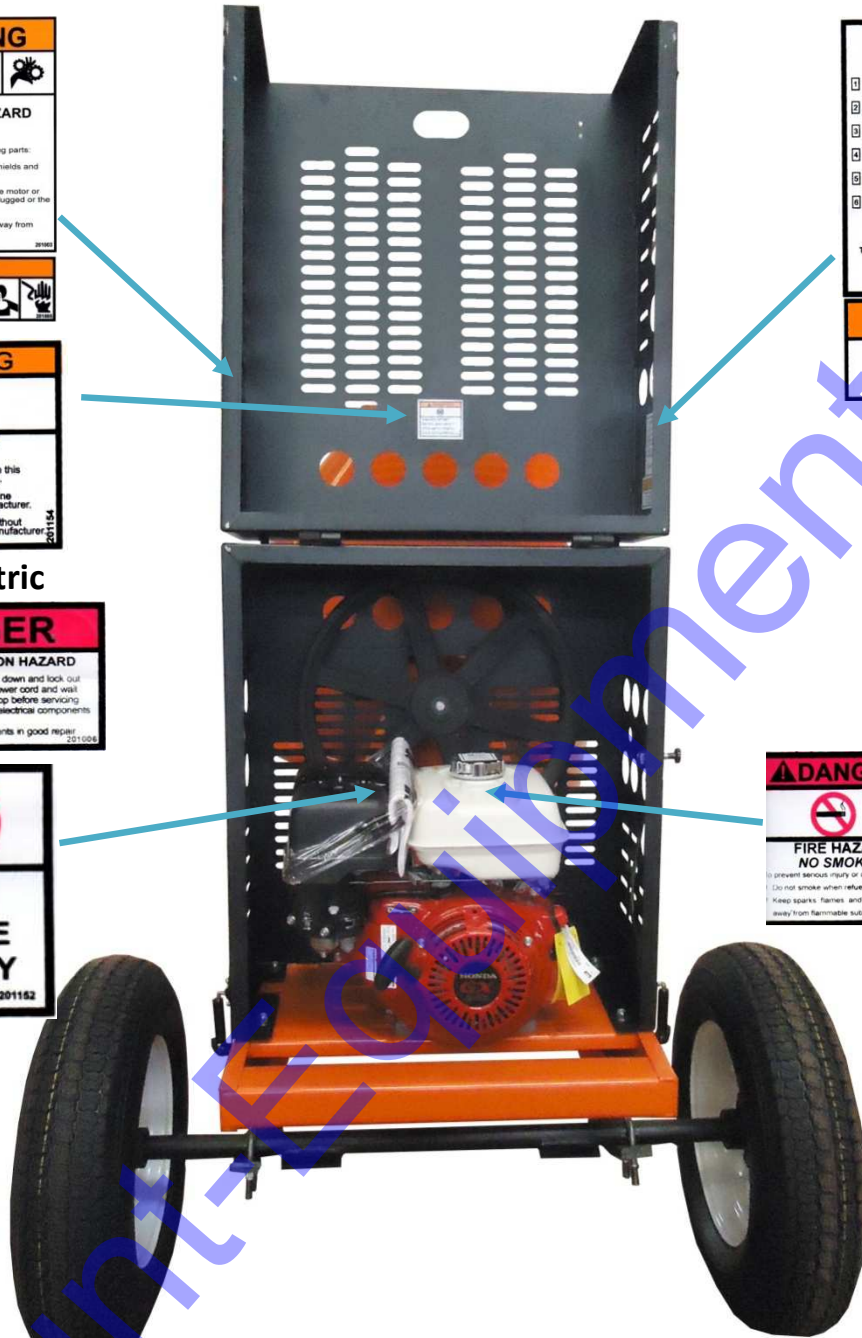
Use 2 people to lift and position hitch on and off tow vehicle.

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6. SAFETY DECAL LOCATION



When is electric



7. BEFORE OPERATING

- ✚ **REMEMBER!** It is the owner's responsibility to communicate information on the safe use and proper operation of this unit to the operators.
- ✚ Before operating, review SAFETY PRECAUTIONS listed on page 5 of this manual.
- ✚ Familiarize yourself with the operation of the unit and confirm that all controls function properly BEFORE starting engine.
- ✚ Locate the killing switch and assure you know how to STOP the unit.
- ✚ Make sure hands, feet, and clothing are at a safe distance from any moveable parts prior to starting.
- ✚ Shrouds and grids are provided to protect the operator or structures in close proximity to rotating hot engine parts. It is the **RESPONSABILITY OF THE OPERATOR** to see that they are properly in place.
- ✚ OIL LEVEL - Check the oil level in the engine. For more information see "Lubrication" under the engine "Owner's Manual" the "Maintenance" section of this manual. All mixers come without oil running an engine without lubrication may damage the engine.
- ✚ AIR CLEANER - Check to ensure elements are in good condition and properly installed.
- ✚ Review every decal with the OPERATOR.
- ✚ FUEL SUPPLY - Engines on  Mixer equipment require an automotive grade of clean, fresh, unleaded or regular gasoline. All mixers come without gasoline and oil.
- ✚ FUEL FILTER - Check to ensure element is in good condition... Replace if it is clogged or damaged.
- ✚ LUBRICATION POINTS - Make sure all pillow blocks have been properly greased.

8. OPERATION INSTRUCTIONS

Gas engine

1. Open the fuel valve.
2. Pull the stop switch on the engine shroud to its "Out" position.
3. Move the engine throttle control to the "FAST" position.
4. Choke the engine if necessary.(You may not need to choke a warm engine)
5. Pull the starter string.
6. After the engine starts, move the choke lever to the open position, move the throttle level to the "IDLE" position and let the engine warm-up for one or two minutes.

Electric motor

1. Plug the motor into a suitable power source.
2. Move the switch on the motor to the "on" position.

OPERATING

1. If using a gas engine, allow the engine to warm up then move the throttle to the fast position.
2. Close the engine shroud



DO NOT OPERATE THE MIXER WITH THE SHROUD OPEN!

3. After loading a batch of concrete, it is recommended to add water for the next batch.
4. After discharging the final batch of concrete, add water to the drum while the mixer is running. Discharge the water after the inside of the mixer is clean.

9. STARTING ENGINE

GAS ENGINE

1. Move the engagement lever to the "IDLER" position.
2. Whenever possible it is recommended to let the engine idle before stopping.
3. Push in the engine stop switch on the engine shroud.
4. Close the fuel valve.

ELECTRIC MOTOR

1. Move the switch on the motor to the "off" position.

IMPORTANT
Engine warranty is void if the engine is run without oil.

STOP THE ENGINE OR ELECTRIC MOTOR BEFORE:



- ✚ Adding fuel.
- ✚ Leaving equipment unattended for any amount of time.
- ✚ Making any repairs or adjustments to the unit.
- ✚ Transportation.

TOWING:

1. Stop the engine or electric motor.
2. Close and hook the engine should.
3. Rotate the drum into the tow position and secured it with the locking pin.
4. Secure the mixer hitch and safety chains to the vehicle.

IMPORTANT

The engine is supplied from the engine manufacture with the high idle speed set at approximately 3500 RPM and no gas or oil. As a result, the engine is not run when it is mounted to the Mixer. It is the responsibility of the customer to add oil and gas, start the engine and reset the high idle RPM to the operating range (Refer the Maintenance Section for procedure).

BEFORE TOWING:



- ✚ Make sure the axle and tow bar hardware is tightened.
- ✚ Check the condition of the pin on the tow bar and make sure it is secured.
- ✚ Remove any loose debris from the mixer.
- ✚ Use safety chains when towing. **MAXIMUM TOW SPEED: 45 mph**

10. SERVICE INSTRUCTIONS

- ✚ Never service or lubricate the unit engine while running.
- ✚ After servicing the unit, restore and fasten all guards, shields, and covers to their original positions.
- ✚ Never drain oil into the ground, into open streams, or down sewage drains.

ENGINE

See engine owner's manual maintenance schedule.

DRUM

1. Wash the drum after every day's usage.
2. Pull the locking pin and tip the drum forward to drain water excess.
3. Return drum to towing position and secure with locking pin before moving mixer.

LUBRICATION

1. Grease all fittings daily. All mixers have 6 grease fittings, 4 pillow blocks and 2 drum trunnions. Two of the fittings are located at each end of the mixer drum on the top of pillow blocks and trunnions.
The two remaining grease fittings are located under the engine shroud on the top of the intermediate shaft pillow blocks (see picture below).
2. Electric mixers only: oil the drive chain once a week.

11. MAINTENANCE SCHEDULE

| | <i>Maintenance</i> | <i>Each use</i> | <i>Every 20 hours</i> | <i>Every 50 hours</i> | <i>Every 100 hours</i> | <i>Yearly</i> |
|--------------|---------------------------------------|-----------------|-----------------------|-----------------------|------------------------|---------------|
| Engine | Refer to engine operator/owner manual | X | | | | X |
| Bearings | Grease | X | | | | X |
| V-Belts | Check for excessive wear | | X | | | X |
| Roller chain | Check for excessive wear | | X | | | X |
| Hardware | Check and tighten 1,2 | | X | X | | X |
| Tires | Check air pressure | X | | | | |

1. Check all hardware after the first 5 hours of use, then follow the maintenance schedule.
2. Re-torque the front leg and axle hardware after the first 50 miles traveled, and then follow the maintenance schedule.

12. REPLACEMENT

Parts

Tolerance or Replacement Cycle

Engine Components

- ✓ Refer to your engine manufacturer's Owner's Manual

V-Belts

- ✓ Replace if stretched to the point that the idler does not work properly. Replace the V-belts if they are cracked or torn.

Roller Chain

- ✓ Replace if there is excessive play between the links or the links are damaged.

Gears

- ✓ Replace if the teeth are cracked or have become sharp.

Hardware

- ✓ Re-torque all bolts after the first eight hours of operation and check hardware every 25 hours. Replace any worn or damaged hardware as needed. Replacement hardware should be grade 5 and zinc plated.

Safety Decals

- ✓ Replace if they become aged, damaged or cannot be easily read.

13. TORQUE CHART

APROXIMATE TIGHTENING TORQUE

| <u>SIZE</u> | <u>GRADE 2</u> | <u>GRADE 5</u> | <u>GRADE 8</u> |
|-------------|----------------|----------------|----------------|
| # 10-24 | 21 in-lbs | 32 in-lbs | 45 in-lbs |
| # 10-32 | 23 in-lbs | 36 in-lbs | 51 in-lbs |
| 1/4-20 | 49 in-lbs | 76 in-lbs | 9 in-lbs |
| 1/4-28 | 56 in-lbs | 87 in-lbs | 10 in-lbs |
| 5/16-18 | 8 in-lbs | 13 in-lbs | 18 in-lbs |
| 5/16-24 | 9 in-lbs | 14 in-lbs | 20 in-lbs |
| 3/8-16 | 15 in-lbs | 23 in-lbs | 33 in-lbs |
| 3/8-24 | 17 in-lbs | 26 in-lbs | 37 in-lbs |
| 7/16-14 | 24 in-lbs | 37 in-lbs | 52 in-lbs |
| 7/16-20 | 27 in-lbs | 41 in-lbs | 58 in-lbs |
| 1/2-13 | 37 in-lbs | 57 in-lbs | 80 in-lbs |
| 1/2-20 | 41 in-lbs | 64 in-lbs | 90 in-lbs |
| 9/16-12 | 53 in-lbs | 82 in-lbs | 115 in-lbs |
| 9/16-18 | 59 in-lbs | 82 in-lbs | 129 in-lbs |
| 5/8-11 | 73 in-lbs | 112 in-lbs | 159 in-lbs |
| 5/8-18 | 83 in-lbs | 112 in-lbs | 180 in-lbs |
| 3/4-10 | 129 in-lbs | 223 in-lbs | 282 in-lbs |
| 3/4-16 | 144 in-lbs | 200 in-lbs | 315 in-lbs |
| 7/8-9 | 125 in-lbs | 322 in-lbs | 454 in-lbs |
| 7/8-14 | 138 in-lbs | 355 in-lbs | 501 in-lbs |

APROXIMATE TIGHTENING TORQUE

| <u>SIZE</u> | <u>GRADE 2</u> | <u>GRADE 5</u> | <u>GRADE 8</u> |
|-------------|----------------|----------------|----------------|
| 1-8 | 188 ft-lbs | 483 ft-lbs | 682 ft-lbs |
| 1-12 | 205 ft-lbs | 529 ft-lbs | 746 ft-lbs |
| 1-14 | 210 ft-lbs | 541 ft-lbs | 764 ft-lbs |
| 1-1/8-7 | 266 ft-lbs | 596 ft-lbs | 966 ft-lbs |
| 1-1/8-12 | 297 ft-lbs | 668 ft-lbs | 1083 ft-lbs |
| 1-1/4-7 | 375 ft-lbs | 840 ft-lbs | 1363 ft-lbs |
| 1-1/4-12 | 415 ft-lbs | 930 ft-lbs | 1509 ft-lbs |
| 1-3/8-6 | 491 ft-lbs | 1102 ft-lbs | 1787 ft-lbs |
| 1-3/8-12 | 559 ft-lbs | 1254ft-lbs | 2034 ft-lbs |
| 1-1/2-6 | 652 ft-lbs | 1462ft-lbs | 2371 ft-lbs |
| 1-1/2-12 | 734 ft-lbs | 1645ft-lbs | 2668 ft-lbs |
| M 6 | 3 ft-lbs | 4 ft-lbs | 7 ft-lbs |
| M 8 | 6 ft-lbs | 10 ft-lbs | 18 ft-lbs |
| M 10 | 10 ft-lbs | 20 ft-lbs | 30 ft-lbs |

CONVERSIONS

- in - lbs x 0.083 = ft-lbs
- ft - lbs x 12 = in-lbs
- ft - lbs x 0.1383 = kg-m
- ft - lbs x 1.3558 = N-m

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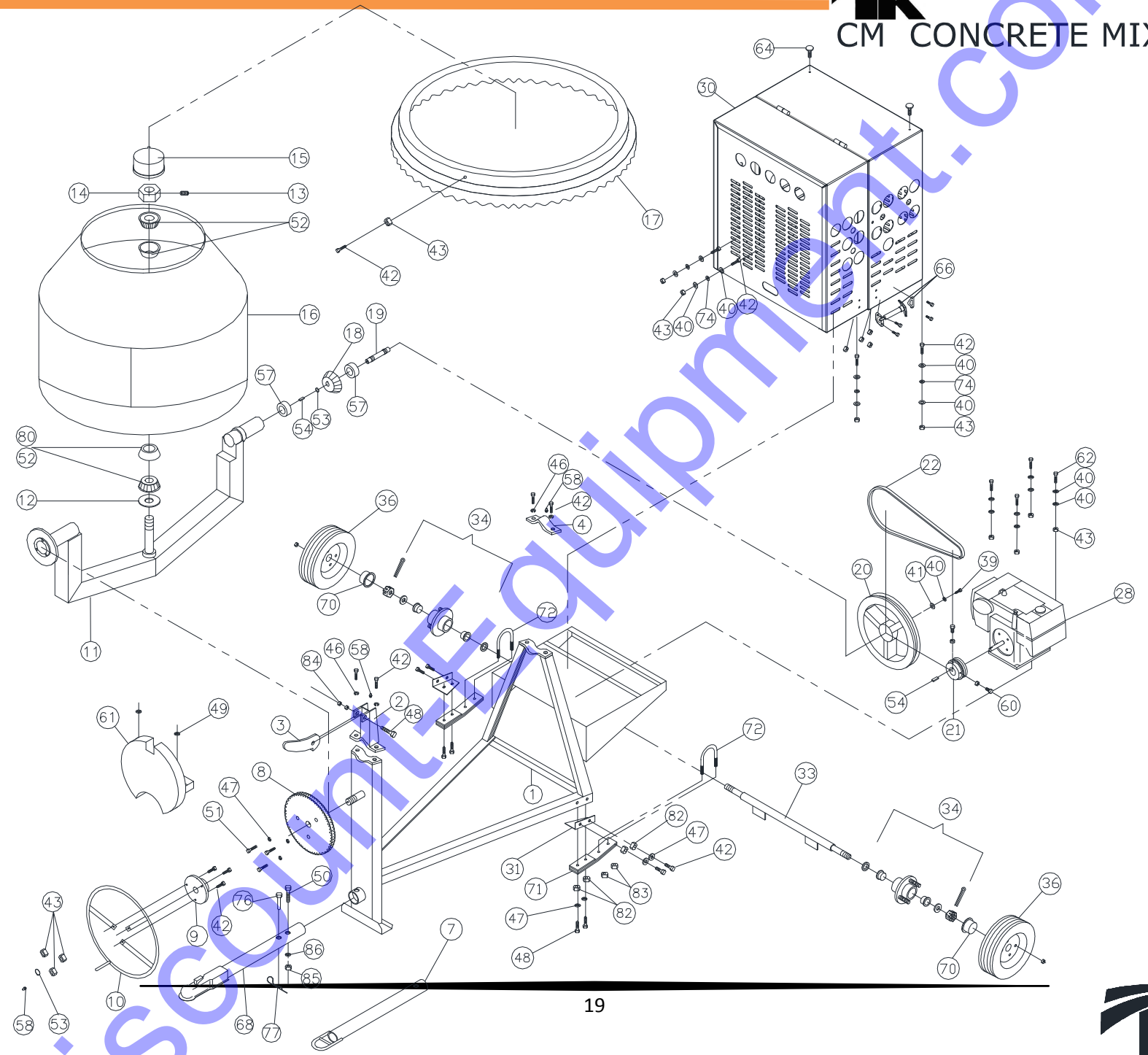
Click on this link: <http://www.discount-equipment.com/category/5443-parts/> and fill out the request form.

Please have the machine model and serial number available in order to help us get you the correct parts. One of our experienced staff members will get back to you with a quote for the right part that your machine needs.

We sell worldwide for the brands: Genie, Terex, JLG, MultiQuip, Mayco, Toro/Stone, Diamond Products, Magnum, Airman, Mustang, Power Blanket, Nifty Lift, Atlas Copco, Chicago Pneumatic, Allmand Brothers, Essick, Miller Spreader, Skyjack, Lull, Skytrak, Tsurumi, Husquyarna/Target, Whiteman-Concrete/Mortar, Stow-Concrete/Mortar, Baldor, Wacker, Sakai, Snorkel, Upright, Mi-T-M, Sullair, Neal, Basic, Dynapac, MBW, Weber, Bartell, Bennar Newman, Haulotte, Ditch Runner, Blaw-Knox, Himoinsa, Best, Buddy, Crown, Edco, Wyco, Bomag, Laymor, Terremite, Barreto, EZ Trench, Takeuchi, Basic, Bil-Jax, Curtis, Gehl, Heli, Honda, ICS/PowerGrit, Puckett, Waldon, ASV, IHI, Partner, Imer, Clipper, MMD, Koshin, Rice, Gorman Rupp, CH&E, Cat Pumps, Comet, General Pump, Giant, AMida, Coleman, NAC, Gradall, Square Shooter, Kent, Stanley, Tamco, Toku, Hatz, Kohler, Robin, Wisconsin, Northrock, Oztec, Toker TK, Rol-Air, Small Line, Wanco, Yanmar



CM CONCRETE MIXER



| NO. | CODIGO | CODE | DESCRIPCION DE PARTES | DESCRIPTION OF PARTS | CM7 | CM9 | CM12 |
|-----|--------------|-------|---|--------------------------------------|-----|-----|------|
| 1 | 0170CO01CH | C-100 | CHASIS CM7 YCM9 | FRAME,CM7 CM9 | 1 | 1 | - |
| | 0173CO01CH | C-102 | CHASIS CM12 | FRAME CM12 | - | - | 1 |
| 2 | 0100SC01FR | C-103 | FRENO | BRAKE | 1 | 1 | 1 |
| 3 | 0100FG01FR | C-104 | MANIVELA FRENO | LOCKING PIN | 1 | 1 | 1 |
| 4 | 0100SO01PD | C-105 | CHUMACERA | PILLOW BLOCK | 1 | 1 | 1 |
| 7 | 0000CO01LZ | | LANZA MILITAR (OPCIONAL) | DRAW BAR, PINTLE HITCH | 1 | 1 | 1 |
| | 0000CO03LZ | | LANZA MILITAR BARRENO VERTICAL (OPCIONAL) | DRAW BAR, PINTLE HITCH VERTICAL HOLE | 1 | 1 | 1 |
| 8 | 0100FG01YU | C-107 | PLATO DENTADO | GEAR | 1 | 1 | 1 |
| 9 | 0100FG01VO | C-108 | MASA VOLANTE 1 SACO | HANDLE BLOCK 1 | 1 | 1 | - |
| | 0103FG01VO | C-109 | MASA VOLANTE 2 SACOS | HANDLE BLOCK 2 FOR CM12 | - | - | 1 |
| 10 | 0100SC01VO | C-110 | VOLANTE 1 SACO | HANDLE TUBE | 1 | 1 | - |
| | 0103SC01VO | C-111 | VOLANTE 2 SACOS | HANDLE TUBE FOR CM12 | - | - | 1 |
| 11 | 0100CO01YU | C-112 | YUGO RT | YOKE RT | 1 | 1 | - |
| | 0103CO01YU | C-113 | YUGO LX | YOKE FOR CM12 | - | - | 1 |
| 12 | 0100LA03TQ | C-114 | GUARDA POLVOS 1 SACO | PLATE | 1 | 1 | - |
| | 0103LA03TQ | C-115 | GUARDA POLVOS 2 SACOS | PLATE FOR CM12 | - | - | 1 |
| 13 | OPCR038012 | C-116 | OPRESOR ALLEN 3/8 X 1/2 | ALLEN SCREW 3/8 X 1/2 | 1 | 1 | 1 |
| 14 | TCCN138MAQ | C-117 | TUERCA 1 3/8 | NUT, 1-3/8 | 1 | 1 | 1 |
| 15 | 0100FG01TQ | C-118 | TAPON CACHUCHA | DUST CAP | 1 | 1 | 1 |
| 16 | 0171CO01TQ | C-119 | TANQUE CM7 | DRUM CM7 | 1 | - | - |
| | 0172CO01TQ | C-120 | TANQUE CM9 | DRUM CM9 | - | 1 | - |
| | 0173CO01TQ | C-121 | TANQUE CM12 | DRUM CM12 | - | - | 1 |
| 17 | 0100FG02TQ | C-122 | CREMALLERA 115 DIENTES | GEA RING 115TH | 1 | 1 | 1 |
| 18 | 0100FG02YU | C-123 | PIÑON MOTRIZ 12 DIENTES | PINNION 12TH | 1 | 1 | 1 |
| 19 | 0100CR02YU | C-124 | FLECHA MOTRIZ | SHAFT PINNION | 1 | 1 | 1 |
| 20 | POFG190516TK | C-125 | POLEA MOTRIZ 19" | PULLEY 19" 1 GROOVE | 1 | 1 | 1 |
| 21 | | | POLEA MOTRIZ (ver lista de poleas) | PULLEY ENGINE (check list pulley) | 1 | 1 | 1 |
| 22 | 0000BNB64 | C-129 | BANDA B64 | BELT, B64 | 1 | 1 | 1 |
| 28 | | | MOTOR | ENGINE | 1 | 1 | 1 |
| 30 | 0110CO01GA | C-131 | GABINETE ABATIBLE TK-ST | HOOD, HINGED, ASSY | 1 | 1 | 1 |
| 31 | 0100PL01RD | C-133 | BRACKETS | BRACKETS (SPRINGS) | 2 | 2 | 2 |
| 33 | 0130SC01RD | C-134 | EJE EXPORTACION TOKER | AXLE | 1 | 1 | 1 |
| 34 | 0200KI01RD | C-135 | ENSAMBLE MASA HUB | HUB ASM, 4 BOLT | 2 | 2 | 2 |
| 36 | 0000CO01RD | C-136 | LLANTA RIM 13" | WHEEL RIM 13 | 2 | 2 | 2 |
| | 0000CO02RD | C-137 | LLANTA RIM 12" | WHEEL RIM 12 | 2 | - | - |
| 39 | TOCD038100 | C-138 | TORNILLO 3/8" X 1" ROSCA FINA GRADO 5 | BOLT, HEXHD 3/8X1 NF G.5 | 1 | 1 | 1 |
| 40 | RNPX038GAL | C-139 | RONDANA PLANA 3/8 GALVANIZADO | PLAIN WASHER 3/8 | 21 | 21 | 21 |
| 41 | 0170LA01TR | C-140 | GUASA TRANSMISION 3/8 | WASHER, TRANSMISSION 3/8 | 1 | 1 | 1 |
| 42 | TOCD038112 | C-141 | TORNILLO 3/8 X 1 1/2 GALV. GRADO 5 | BOLT, HEXHD 3/8X1-1/2 NF G.5 | 23 | 23 | 23 |
| 43 | TCCS038GAL | C-142 | TUERCA 3/8 SEGURIDAD | LOCK NUT, 3/8 | 19 | 19 | 19 |
| 46 | RNRX038GAL | C-144 | RONDANA PRESION 3/8 GALVANIZADO | SPRING WASHER 3/8 | 4 | 4 | 4 |
| 47 | RNRX012GAL | C-145 | RONDANA PRESION 1/2 GALVANIZADO | SPRING WASHER 1/2 | 7 | 11 | 11 |
| 48 | TOCD012212 | C-146 | TORNILLO 1/2 X 2 1/2 GALV. GRADO 5 | BOLT. HEXHD 1/2X2-1/2 G.5 | 5 | 5 | 5 |

| | | | | | | | |
|----|--------------|-------|---|---------------------------------|----|----|----|
| 49 | RNPX012GAL | C-147 | RONDANA PLANA 1/2 | PLAIN WASHER 1/2 | 2 | 2 | 2 |
| 50 | TOCD034312 | C-148 | TORNILLO 3/4 X 3 1/2 GALV. GRADO 5 | BOLT HEXHD 3/4X3-1/2 G.5 | 1 | 1 | 1 |
| 51 | TOCD012034 | C-149 | TORNILLO 1/2 X 3/4 GALV. GRADO 5 | BOLT HEXHD 1/2X3/4 G.5 | 3 | 3 | 3 |
| 52 | 0000BA2788 | C-150 | BALERO 2788 (CONO Y TAZA) | BALL BEARING, 2788 | 2 | 2 | 1 |
| 53 | SM00516EXT | C-151 | SEGURO OMEGA 15/16 | RETAINING RING, 15/16 | 2 | 2 | 1 |
| 54 | 0170CC01MO | C-152 | CUÑA 1/4 X 1 1/2 | KEY, 1/4X1-1/2 | 2 | 2 | 2 |
| 57 | 0000BA6205 | C-154 | BALERO 6205 | BALL BEARING, 6205 | 2 | 2 | 2 |
| 58 | 0000GRH200 | C-155 | GRASERA RECTA | GREASE FITING,1/8 NPT | 3 | 3 | 3 |
| 60 | OPCQ038114 | C-156 | OPRESOR SET 3/8 X 1 1/4 CON TUERCA 3/8" | SET SCREW, 3/8X1-1/4 W/NUT 3/8" | 2 | 2 | 2 |
| 61 | 0170CO01GF | C-157 | GUARDA | GEAR GUARD | 1 | 1 | 1 |
| 62 | TOCD038200 | C-158 | TORNILLO 3/8 X 2 GALV. GRADO 5 | BOLT, HEXHD, 3/8X2 G.5 | 4 | 4 | 4 |
| 64 | 0000RF01GA | C-159 | REGATON 1/4 | RUBBER SCREW 1/4 | 4 | 4 | 4 |
| 66 | 0000RF02GA | C-161 | GANCHO COFRE | HOOK ASSEMBLY | 2 | 2 | 2 |
| 68 | 0000CO02LZ | | LANZA TOKER COPLE BOLA | 2" BALL HITCH (OPTIONAL) | 1 | 1 | 1 |
| | 0000CO04LZ | | LANZA TOKER COPLE BOLA VERTICAL | 2"BALL HITCH VERTICAL HOLE | 1 | 1 | 1 |
| 70 | 0000RF05RD | C-164 | CUBRE POLVO | DUST COVER | 2 | 2 | 2 |
| 71 | 0000RF01CH | C-165 | MUELLE REAL 2 HOJAS | AXLE SPRING ASSEMBLY | - | 2 | 2 |
| 72 | 0170CO02CH | C-166 | ABRASADERA U | U CLAMP | - | 2 | 2 |
| | 0171CO02CH | C-167 | ABRASADERA U CM7 | U CLAMP FOR CM7 | 2 | - | - |
| 74 | 0000RF03GA | C-168 | RONDANA PLASTICA | PLASTIC WASHER 1/2 | 14 | 14 | 14 |
| 76 | 0000CR01LZ | C-169 | PERNO LANZA | LOCK PIN | 1 | 1 | 1 |
| 77 | SR18200EXT | C-170 | SEGURO R | PIN AIR | 1 | 1 | 1 |
| 80 | 0000BA104949 | C-171 | BALERO 104949 CM12 | BALL BEARING 104949 CM12 | - | - | 1 |
| 82 | TCCS012GAL | C-173 | TUERCA SEGURIDAD 1/2 | LOCK NUT, 1/2 | 4 | 8 | 8 |
| 83 | TCFS012GAL | C-174 | TUERCA SEGURIDAD 1/2 NF | LOCK NUT 1/2 NF | 4 | 4 | 4 |
| 84 | TCCN012GAL | C-178 | TUERCA NORMAL 1/2" NC | NUT 1/2" NC | 2 | 2 | 2 |
| 85 | TCCN034GAL | C-179 | TUERCA NORMAL 3/4" NC | NUT 3/4" NF | 1 | 1 | 1 |
| 86 | RNRX034GAL | C-180 | RONDANA PRESION 3/4" | WASHER SPRING 3/4" | 1 | 1 | 1 |

PULLEY INFORMATION

| No. | CODIGO | CODE | DESCRIPCION DE PARTES | DESCRIPTION OF PARTS | GAS 5.5 HP | GAS 8HP | ELECTRIC .5&1.5 | ELECTRIC 1&2 HP | ELECTRIC 3 & 5HP | ELECTRIC 7.5HP |
|-----|--------------|-------|--------------------------------------|------------------------------------|------------|---------|-----------------|-----------------|------------------|----------------|
| 21 | POFG212034 | C-126 | POLEA 2 1/2" CAL 3/4" | PULLEY 2 1/2" CAL 3/4 | 1 | | | | | |
| | POFG212100 | C-127 | POLEA 2 1/2" CAL 1" | PULLEY 2 1/2" CAL 1 | | 1 | | | | |
| | POFG414058TK | C-128 | POLEA 4 1/4" CAL 5/8" CUÑERO 3/16" | PULLEY 4 1/4" CAL 5/8" KEY 3/16" | | | 1 | | | |
| | POFG414078TK | C-175 | POLEA 4 1/4" CAL 7/8" CUÑERO 3/16" | PULLEY 4 1/4" CAL 7/8" KEY 3/16" | | | | 1 | | |
| | POFG414118TK | C-176 | POLEA 4 1/4" CAL 1 1/8" CUÑERO 1/4" | PULLEY 4 1/4" CAL 1 1/8" KEY 1/4" | | | | | 1 | |
| | POFG414138TK | C-177 | POLEA 4 1/4" CAL 1 3/8" CUÑERO 5/16" | PULLEY 4 1/4" CAL 1 3/8" KEY 5/16" | | | | | | 1 |

THIS PARTS MANUAL APPLIES FOR CONCRETE MIXERS CM7, CM9, and CM12 FROM SERIAL NUMBER 36683

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