LeeBoy

OPERATIONS SERVICES AND PARTS MANUAL

300 Asphalt Roller

Manual No. 300801

Table of Contents

Parts (List of Illustrations)

User's Reference Guide

DELIVERY DATE _____

UNIT SERIAL NUMBER _____
(*number located on the console of roller in the serial tag)

ENGINE TYPE _____

ENGINE NUMBER _____

DEALER'S NAME AND ADDRESS

_____

PHONE NUMBER _____

EQUIPMENT HOURS _____

SERVICE MANAGER _____

688 North Highway 16 ~ Denver, North Carolina 28037
www.leeboy.com ~ (704) 483-9721

B.R. Lee Industries
688 North Highway 16
Denver, NC 28037

One Year or 1000 Hour
LIMITED WARRANTY

WARRANTY

1. If a defect in material or workmanship is found and the authorized Dealer is notified during the warranty period, LeeBoy will repair or replace any part or component of the unit or part which fails to conform to the warranty during the warranty period.
2. The warranty will start on the date of the unit's warranty registration form from the initial Customer and will expire after 12 months have passed or 1000 hours on the service meter have been exceeded, whichever shall first occur.
3. Engines bearing other manufacturers' trademarks are warranted by those manufacturers and may have warranty coverage that differs from that of LeeBoy.
4. Replacement parts furnished by the LeeBoy pursuant to this warranty are covered for the remainder of the warranty period applicable to the unit or component in which such parts are installed. Replacement parts have no separate warranty coverage.
5. LeeBoy has the right to repair any component or part before replacing it with a new part.
6. All warranty work will be completed during normal working hours only.

LIMITATIONS

LeeBoy has no obligation under this warranty for:

1. Any defects caused by misuse, misapplication, negligence, accident or failure to maintain or use in accordance with the most current operating instructions.
2. Unauthorized alterations.
3. Defects or failures caused by any replacement parts or attachments not manufactured by or approved by LeeBoy.
4. Failure to conduct normal maintenance and operating service, including without limitation, providing lubricants, coolant, fuel, tune-ups, inspections or adjustments.
5. Unreasonable delay, as established by LeeBoy, in making the applicable units or parts available upon notification of a service notice ordered by LeeBoy.

WARRANTIES OF OTHER ENGINE MANUFACTURERS

1. LeeBoy's warranty does not apply to engines bearing other manufacturer's trademarks, whether or not such engines are installed in LeeBoy units or sold separately.
2. The warranty responsibility on all engines rests with the respective engine manufacturer. LeeBoy may have support agreements with some engine manufacturers for warranty and parts support.

ITEMS NOT COVERED

LeeBoy is not responsible for the following:

1. Charges for travel time, mileage, or overtime.
2. Charges related to transporting the product to and from the place at which warranty work is performed.
3. Airfreight charges related to transporting repair parts to the place at which warranty work is performed.
4. All used units or parts of any kind.
5. Except for premature failure, tires, tubes, wiper blades, v-belts, filters, cables, bulbs, conveyor chains, polytrack pads, augers, auger wear plates, track rails, screed plates or end gates.
6. Attachments not manufactured or approved by LeeBoy.
7. Burners and boxes, cutting edges, scrapers, mats, grinder bits, and holders.
8. Miscellaneous charges.

OTHER WARRANTIES

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED, STATUATORY AND IMPLIED WARRANTIES APPLICABLE TO UNITS, ENGINES, OR PARTS WITHOUT LIMITATION, ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE. IN NO EVENT, WHETHER AS A RESULT OF BREACH OF CONTRACT OR WARRANTY, OR ALLEGED NEGLIGENCE OR LIABILITY WITHOUT FAULT, SHALL LEEBOY BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION, LOSS OF PROFIT OR REVENUE, LOSS OF USE OF THE UNIT OR PARTS OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTED EQUIPMENT, FACILITIES OR SERVICES, DOWNTIME COSTS, LABOR COSTS OR CLAIMS OF CUSTOMERS, PURCHASERS OR LESSEES FOR SUCH DAMAGES.

General Information

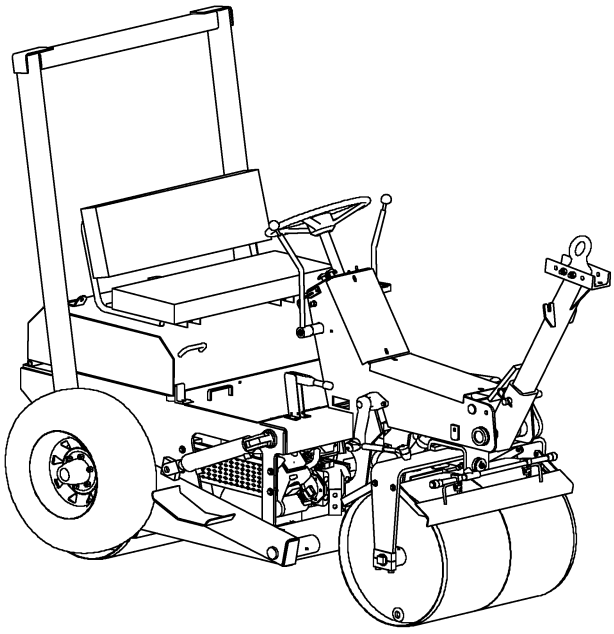
Congratulations on your purchase of a LeeBoy Roller. This manual is designed to help with the operation and service of your new unit. This unit was carefully designed and manufactured to provide years of dependable service. To keep your roller operating efficiently and safely, carefully read the instructions in this manual.

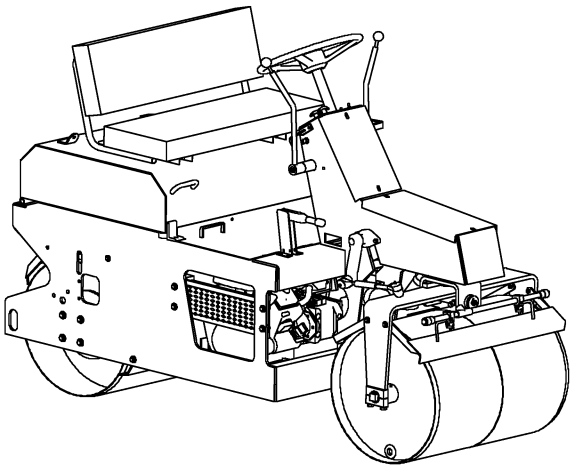
This section is provided to aid the operator in the use and operations of this roller in such areas as inspection,
engine start-up, engine shut-down, and transporting.

This section does not attempt to show techniques of rolling asphalt. The actual rolling of asphalt should only be done by a qualified asphalt roller operator who has been well trained in all types of rolling applications. The operator should thoroughly understand the mechanical characteristics of a roller so the machine can be operated safely.

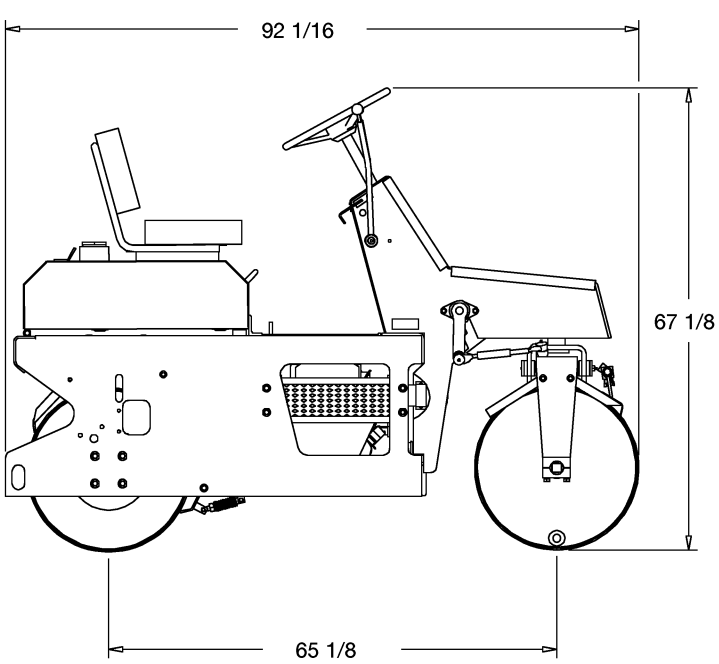
If any questions arise concerning this publication or other manuals in regards to the operation and maintenance of this unit, contact your local LeeBoy dealer for the latest available information.

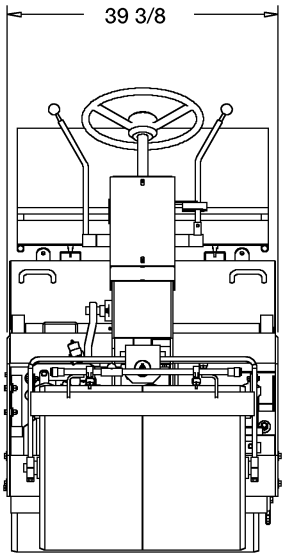
Contents of this manual are based on information in effect at the time of publications and are subject to change without notice.





LeeBoy Model 300 Roller
(Standard Roller Specifications)





Static Weight: 2460 lbs.

Loaded Weight: 3740 lbs. (1385 lbs. Front Drum)
(2355 lbs. Rear Drum)

Transmission: Hydrostatic, variable volume pump

Travel Speed: 0 - 4.0 MPH

Front Drums: 24” Diameter split drums
Overall Width: 30”
Capacity: 12 gallons of water

Rear Drum: 24” Diameter single drum
Overall Width: 36”

Hydraulic Reservoir: 13 gallons, Tractor B or equal

Vibrator: 2,000 VPM
externally mounted unit

Water Tank: Stainless steel water tank which is hinged to allow easy access (when empty) to engine compartment. Water tank holds fifty-one (51) gallons. Water spray system is pressurized.

Engine: 16 HP Briggs & Stratton V-2 Gasoline

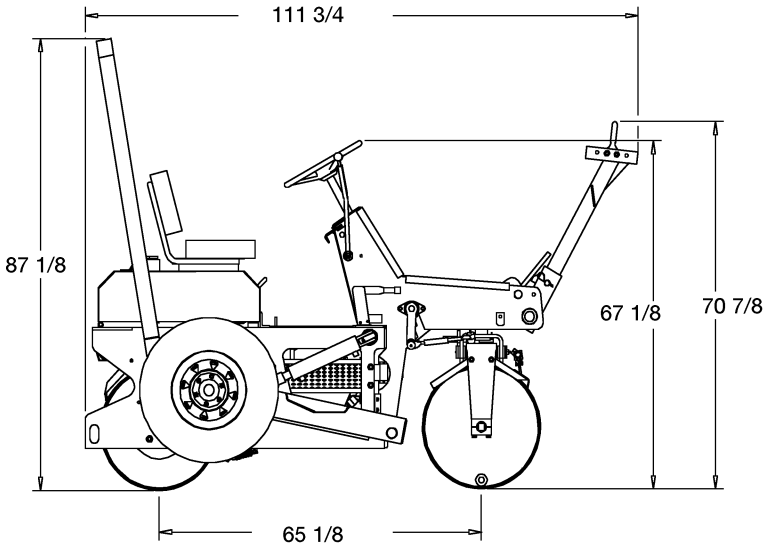
Optional engine: 22 HP Hatz Diesel

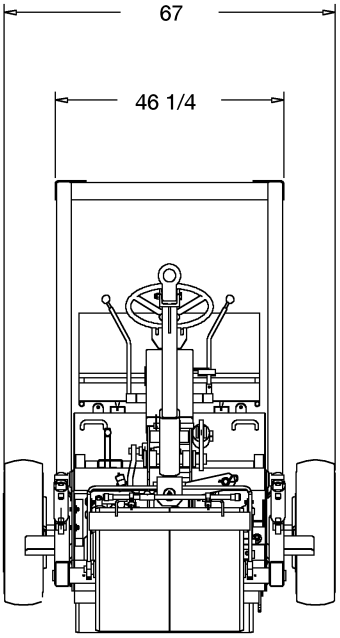
Electrical System: 12 volt negative ground

Fuel Reservoir: 6 1/2 gallons

Dimensions: Length: 92 1/16”
Width: 39 3/8”
Height: 67 1/8”
Wheelbase: 65 1/8”

LeeBoy Model 300T Roller
(Towable Roller Specifications)





Static Weight: 3360 lbs.

Loaded Weight: 4660 lbs.

Transmission: Hydrostatic, variable volume pump

Travel Speed: 0 - 4.0 MPH

Front Drums: 24” Diameter split drums
Overall Width: 30”
Capacity: 12 gallons of water

Rear Drum: 24” Diameter single drum
Overall Width: 36”

Hydraulic Reservoir: 13 gallons, Tractor B or equal

Vibrator: 2,000 VPM
externally mounted unit

Water Tank: Stainless steel water tank which is hinged to allow easy access (when empty) to engine compartment. Water tank holds fifty-one (51) gallons. Water spray system is pressurized.

Engine: 16 HP Briggs & Stratton V-2 Gasoline

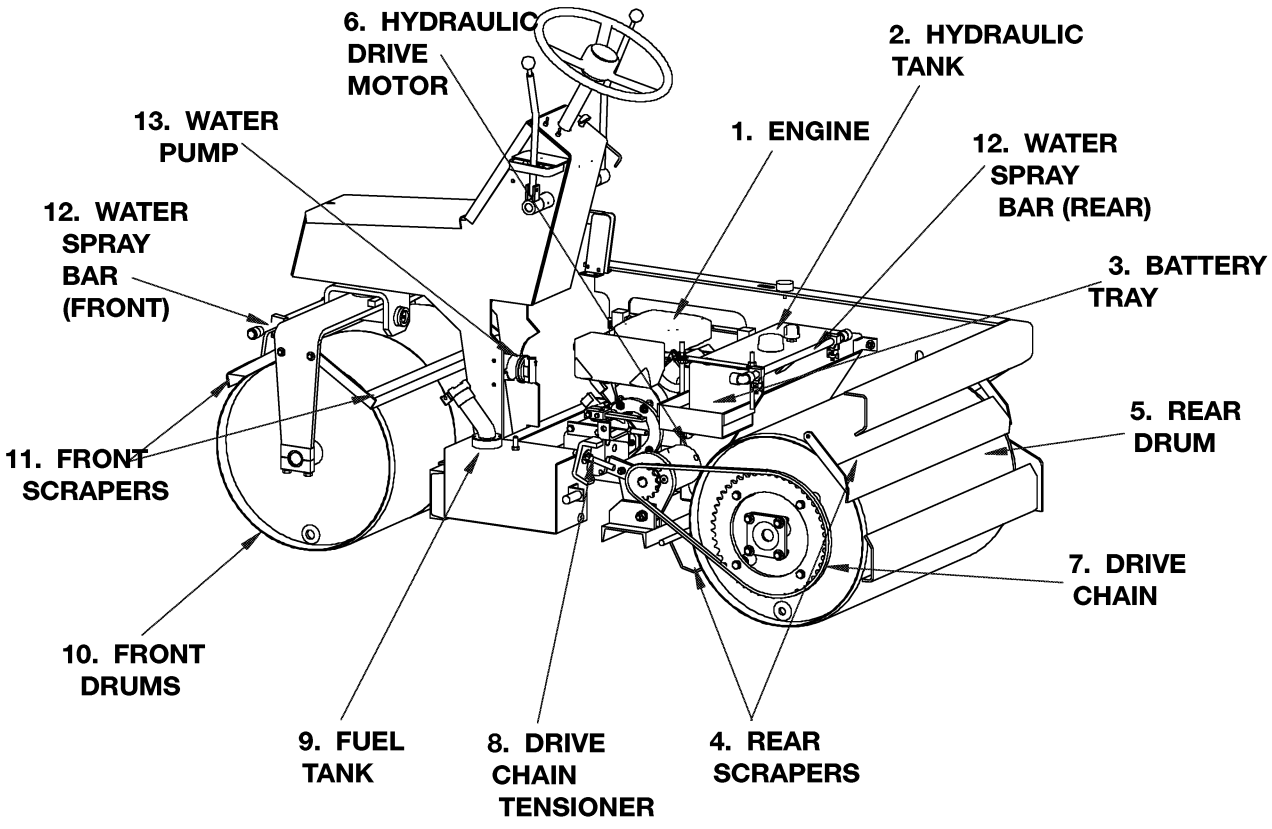
Optional engine: 22 HP Hatz Diesel

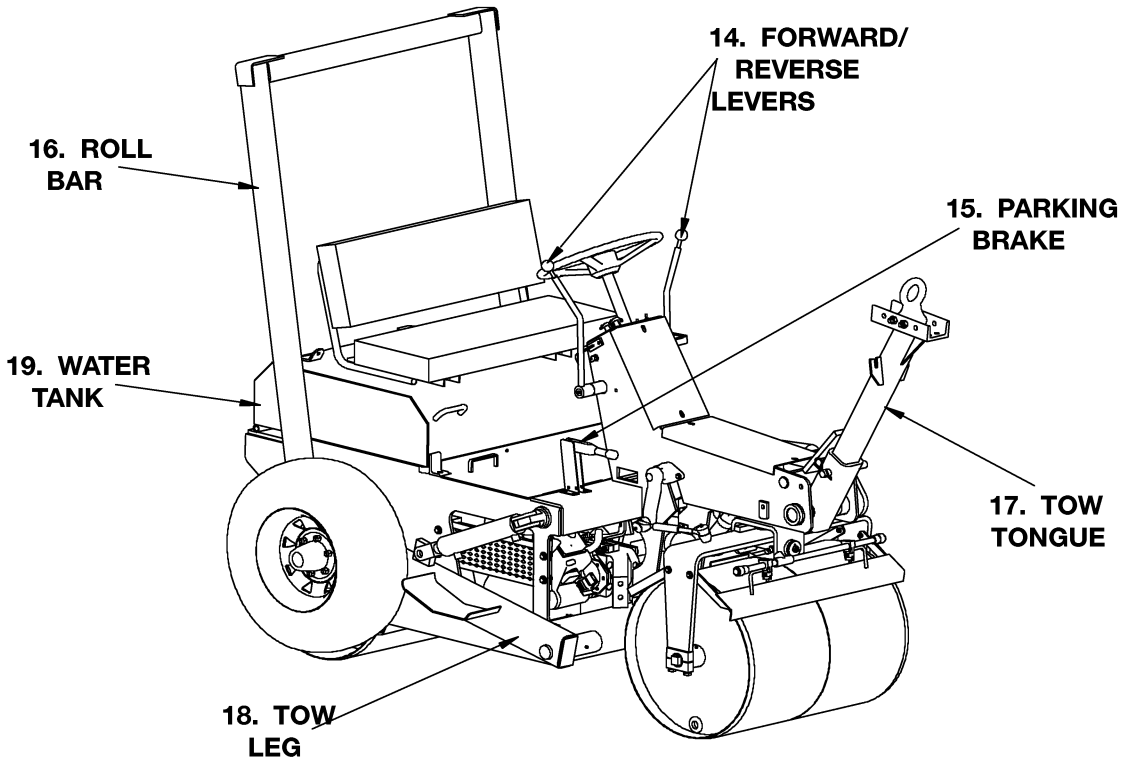
Electrical System: 12 volt negative ground

Fuel Reservoir: 6 1/2 gallons

Dimensions: Length: 111 3/4”
Width: 67”
Height: 87 1/8”
Wheelbase: 65 1/8”

Major Components





Major Components

1. **Engine**
   Engines available for the 300 Roller are either a Briggs & Stratton gas engine or a Hatz diesel engine.

2. **Hydraulic Tank**
   Hydraulic tank is used to store hydraulic fluid (Tractor B or equal) for the various hydraulic functions of the machine.

3. **Battery Tray**
   Battery tray is used to contain the battery while machine is in use.

4. **Rear Scrapers**
   Rear scrapers are used to remove debris from rear drum while roller is in use.

5. **Rear Drum**
   Rear Drum is designed to compact asphalt and move machine forward/backward.

6. **Hydraulic Drive Motor**
   Hydraulic drive motor is used to drive the chain system creating the movement of the rear drum. The rotation of the rear drum moves the machine forward/backward.

7. **Drive Chain**
   Drive chain is the mechanical link from the drive motor sprocket to the rear drum sprocket. The drive chain should be kept lubricated at all times.

8. **Drive Chain Tensioner**
   Drive chain tensioner is used to adjust tension on drive chain. Follow recommended settings for chain tension or premature failure can occur.

9. **Fuel Tank**
   Fuel tank is used to store either gasoline or diesel fuel. Always use fresh fuel with no contaminants.

10. **Front Drums**
    Front drums are used to compact asphalt and steer machine left/right.

11. **Front Scrapers**
    Front scrapers are used to remove debris from front drums while roller is in use.

12. **Water Spray Bar (Front/Rear)**
    Water spray bar is designed to evenly saturate drums with water to keep drums cool while in use.

13. **Water Pump**
    Water pump is used to provide a constant volume of water to both spray bars.

14. **Forward/Reverse Levers**
    Forward/Reverse levers are used to control speed while moving machine in either direction.

15. **Parking Brake**
    Parking brake is used to keep machine from rolling while machine is not in use.

16. **Roll Bar**
    Roll bar is used as a safety device to keep roller from turning over and injuring operator.

17. **Tow Tongue**
    Tow tongue is used as a support hitch while the roller is being towed.

18. **Tow Leg**
    Tow leg is used to support the roller while the unit is being towed.

19. **Water Tank**
    Water Tank is used to contain water for water spray system.

Safety & Informative Decal Kit (#540300)

1

2

FLAMMABLE

3

LOWER	RAISE	RAISE
TONGUE	LEFT	RIGHT
	WHEEL	WHEEL
RAISE	LOWER	LOWER

4

LeeBoy®

MADE IN U.S.A.

5

DANGER
PINCH POINT

6

OIL PRESSURE

7

WATER

8

VIBRATOR

9

PARKING BRAKE

10

FORWARD REVERSE

11

GASOLINE
TANK
KEEP
CLEAN

12

CALIFORNIA
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

13

⚠ DANGER

TANK MUST
BE BOLTED DOWN
FOR ROLL-OVER
PROTECTION

14

Designed with the Paving Professional in Mind.

LeeBoy

(704) 483-9721 • DENVER, NC 28037 • www.Lee-Boy.com

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B.R. LEE INDUSTRIES, INCORPORATED

LeeBoy

P.O. Box 668328
Charlotte, NC 28266
Patent No. 3,743,432

Model
Serial No.
Motor No.

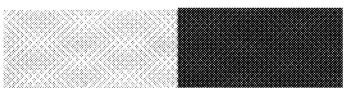
16

DO NOT OPERATE OR TOW THIS MACHINE WITHOUT FIRST FULLY UNDERSTANDING THE CONTENTS OF THE OPERATORS MANUAL.

17

⚠ WARNING
HYDRAULIC OIL
ONLY
KEEP CLEAN

18



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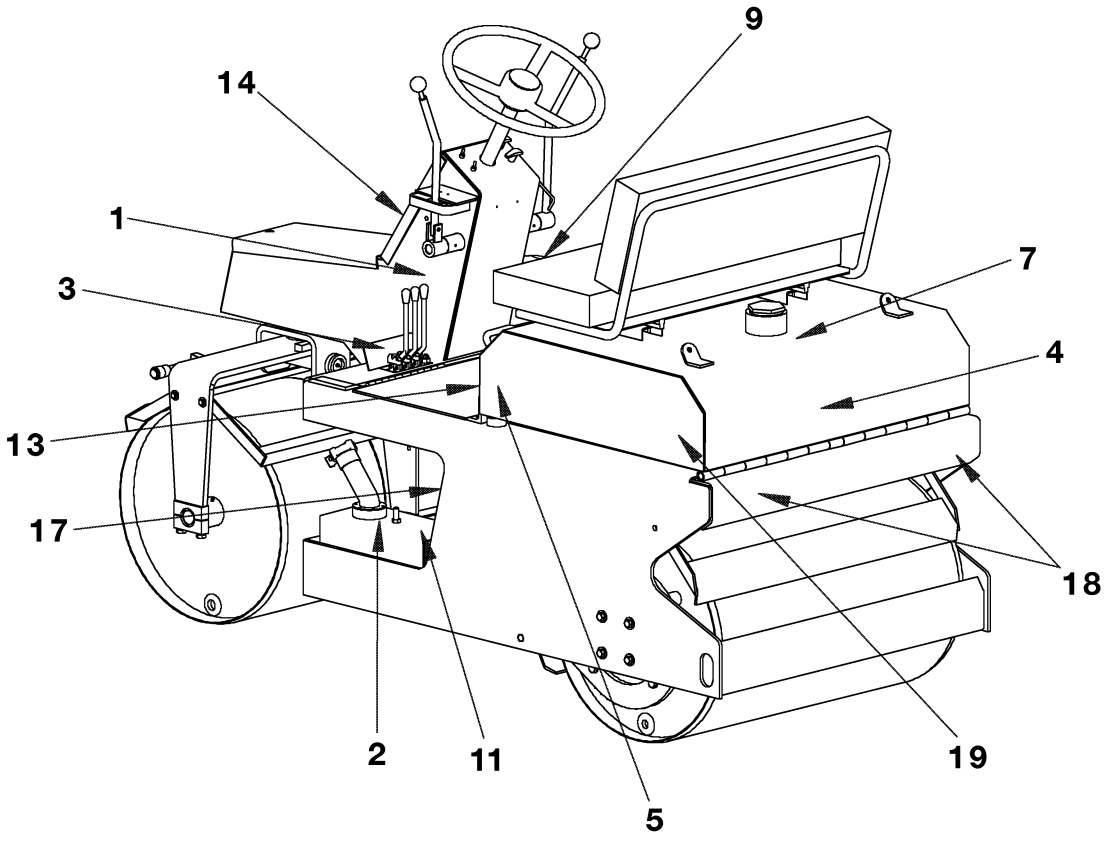
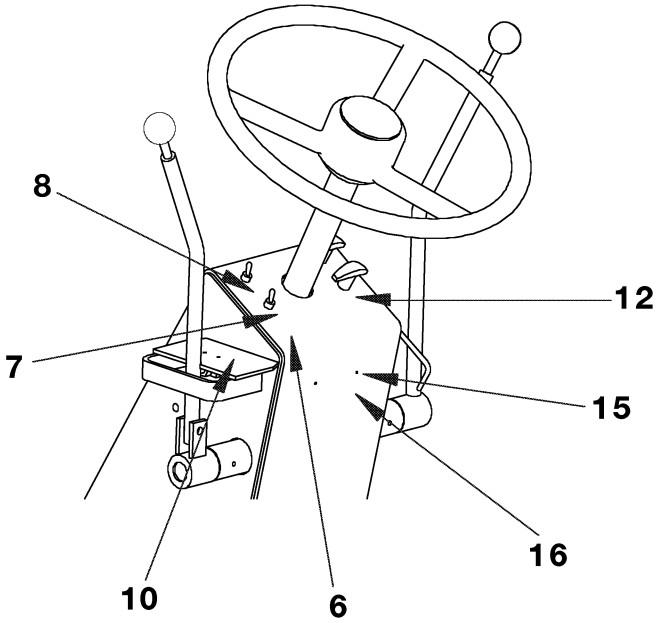
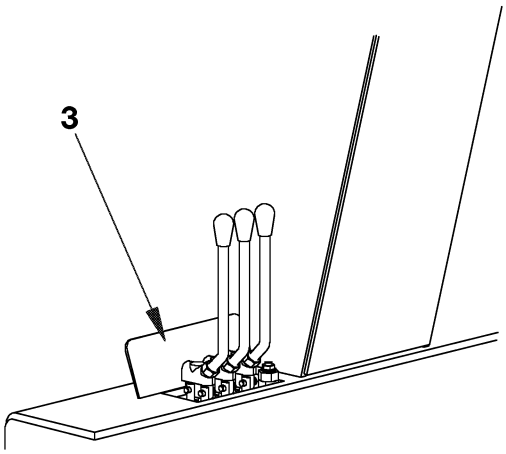
Safety & Informative Decal Kit (#540300)







Receiving

Although the LeeBoy roller has been checked thoroughly at the factory, road hazards or vandalism that could happen while being transported may result in damage. For this reason it is a good operational procedure to **CHECK THE ROLLER BEFORE PUTTING IT INTO SERVICE.**

1. Check engine oil/ see engine manual.

2. Check for fuel, oil, water and hydraulic leaks.

3. Check inside of water tank for contaminants or objects that would be harmful to the water system.

4. Check for damage or missing parts. If parts are missing or roller is damaged, check with dealer.

Inspection

Prior to operating the roller check it out thoroughly. This should help provide for a more trouble free roller. Follow the procedures below to help in this inspection.

1. Check roller for leaks, excessive wear, and loose components.

2. Check engine oil level for proper level. See engine manual.

3. Check hydraulic oil. Make sure oil level is visible in sight gauge on side of reservoir. If additional oil is needed, fill until oil is visible in sight guage.

4. Check battery for proper water level and make sure cables and cable terminals are free of corrosion.

⚠ Warnings

ALL WARNING DECALS MUST BE FOLLOWED. IF YOU DO NOT FOLLOW THE INSTRUCTIONS, ANY MISTAKE YOU MAKE COULD RESULT IN SERIOUS INJURY AND/OR PHYSICAL HARM TO YOU OR OTHERS. DAMAGE TO THE MACHINE IS ALSO POSSIBLE.

- ALWAYS MAKE NECESSARY REPAIRS IF HYDRAULIC OIL, FUEL, OR ENGINE OIL LEAKS ARE PRESENT.
- ALWAYS REMOVE GROUND CABLE FROM BATTERY BEFORE DOING ANY WELDING TO ROLLER.
- ALWAYS DRAIN WATER FROM WATER TANK TO PREVENT FREEZING IN COLD WEATHER.
- ALWAYS MAINTAIN DECALS ON MACHINE AND REPLACE IF MISSING OR BADLY WORN.
- ALWAYS KEEP ALL UNAUTHORIZED PERSONNEL AWAY FROM WORKING ROLLER. ANY AUTHORIZED PERSONS SHOULD WEAR PROTECTIVE CLOTHING AND GLASSES.
- ALWAYS USE A VEHICLE OF ADEQUATE SIZE WHEN TOWING A ROLLER. QUICK STOPS MAY NOT BE POSSIBLE WHEN USING AN UNDERSIZED TOWING VEHICLE.
- ALWAYS GREASE SEALED BEARINGS ANNUALLY WITH HAND GREASE GUN. OVER GREASING SEALED BEARINGS MAY DAMAGE SEAL.
- NEVER LEAVE THE ROLLER WITHOUT ENGAGING THE PARKING/EMERGENCY BRAKE.
- NEVER FILL FUEL TANK WHILE ENGINE IS RUNNING.
- NEVER UNHOOK TOWABLE ROLLER FROM HITCH WITHOUT TOW WHEELS BEING RAISED OFF THE GROUND.
- NEVER EXCEED TOWING SPEED OF 45 MPH. ALWAYS USE LOWER SPEED WHEN TOWING OVER SLIPPERY OR UNEVEN SURFACES.
- NEVER LEAVE ROLLER RUNNING OR WITH KEYS AVAILABLE WHILE UNATTENDED.
- NEVER RUN THIS MACHINE WITHOUT READING AND FULLY UNDERSTANDING THE CONTENTS OF THIS MANUAL.
- NEVER USE YOUR HANDS OR OBJECTS IN THE PROCESS OF FINDING HYDRAULIC LEAK. HYDRAULIC LEAKS CAN BE SEEN VISUALLY.
- NEVER OPERATE HYDRAULIC LEVERS OR ATTEMPT TO MOVE ROLLER UNLESS SEATED IN THE OPERATOR'S POSITION.
- NEVER PERFORM WORK ON MACHINE WHILE ENGINE IS RUNNING.

Engine Start-Up

The following procedures are for starting the engine. The engine may be either diesel or gas. Make sure you follow the correct procedures for your engine type.

1. **Put transmission lever in the neutral position.**

2. **Gas engine cold.**
   - A. Pull choke fully open.
   - B. Set throttle to 1/2 open.
   - C. Turn ignition, allowing engine to fire, then close choke. Do not use choke while engine is warm.
   - D. After start-up allow engine to warm up; if engine did not start, repeat steps A-D.

3. **Diesel engine start-up.**
   - A. Set throttle to 1/2 open.
   - B. Turn ignition on.
   - C. After starting, reduce throttle setting.
   - D. After start up allow engine to warm up; if engine did not start, repeat steps A-D.

   NOTE: During extremely cold weather startups, throttle must be fully open to start. As engine RPM rises, immediately reduce throttle setting to avoid over-reving engine.

4. **Engine shut-down.**
   - A. Reduce engine speed to slow idle.
   - B. Turn ignition to off.
   - C. Pull engine shut-off cable (Diesel engine).

Forward / Reverse and Braking

The roller has been designed to operate from forward to reverse with a single transmission lever. There are, however, two transmission levers; one on either side of the steering column. These levers are interconnected and arranged in this manner for the operator's convenience. Dynamic braking is achieved with these levers by simply moving the transmission lever toward the neutral position. The roller will slow down and come to a complete stop with the transmission lever in neutral. As associated with the braking, the torque will increase as the transmission lever is moved toward the neutral position. When operating on an incline and roller starts to pull down (engine under load), increase the throttle setting or push/pull transmission lever toward neutral or a combination of the two. Always use the manual parking brake to prevent unit from rolling when left unattended.

Operation of Roller

To operate follow procedures one (1) through five (5).

1. Start engine as instructed in start-up procedures, then set engine speed.

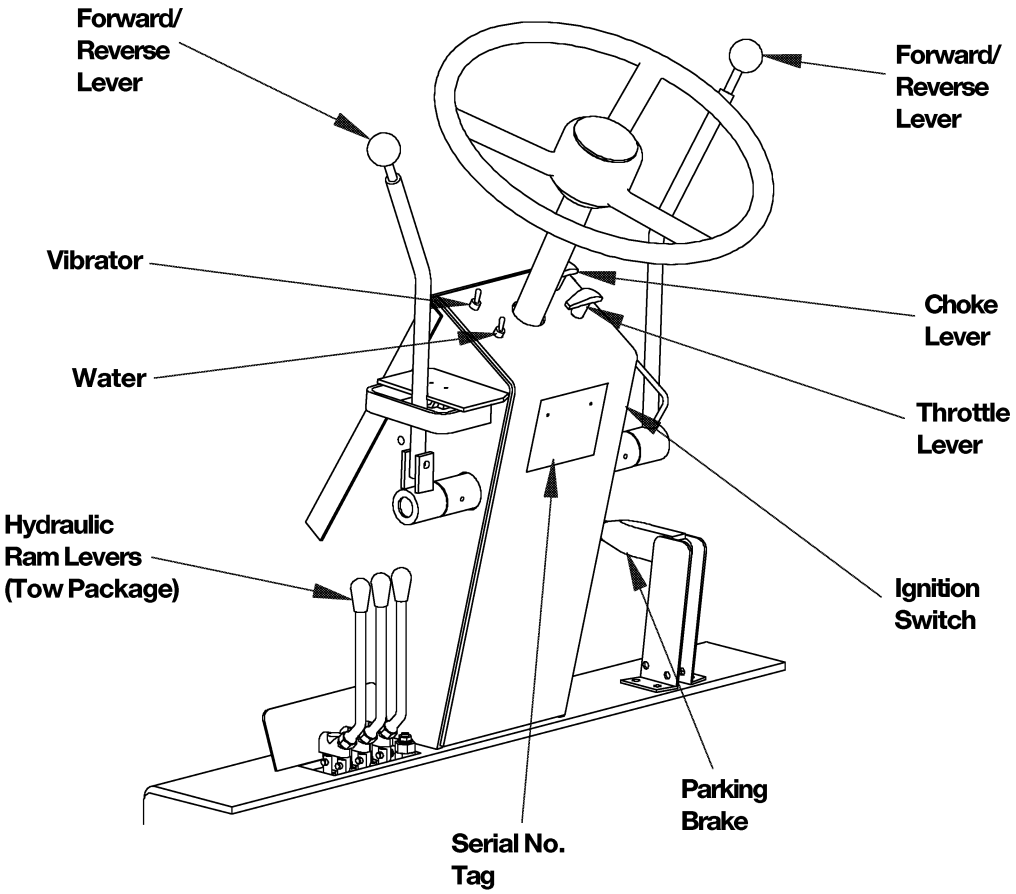
2. Release the parking brake lever.

3. **To move forward**, ease forward/reverse lever toward front of roller until desired speed is reached.

4. **To stop**, pull forward/reverse lever to neutral position.

5. **To move in reverse**, ease forward/reverse lever toward rear of roller until desired speed is reached.

6. **To stop**, push forward/reverse lever to neutral position and apply parking brake.



Operation of Water Spray System

The water spray switch is located on the console. During operation this switch allows the operator to turn the water on and off as desired. The water spray is designed to provide an even spray across the face of drums. The power pump assures the correct amount of water at all times during the rolling process. The spray nozzles are easy to clean without tools.

1. The water valve should be turned on.

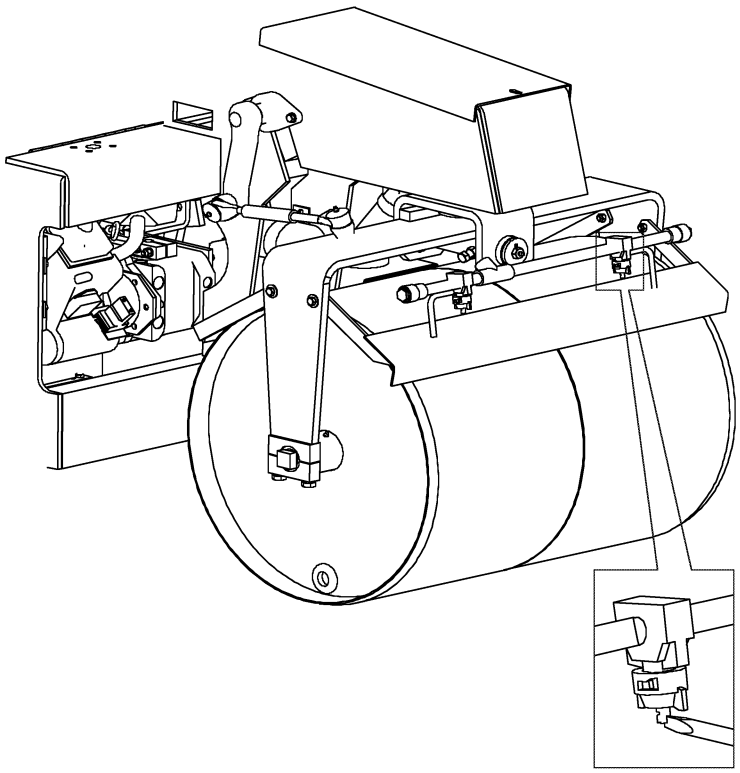
2. The engine should be running before energizing water system.

3. The water spray switch is located on the right side of console.

4. Water energizing switch on console should be to “on” positon .

5. Water nozzles can be adjusted, check spray patterns on both front and rear drums. If spray pattern needs adjusting, turn wing knob to loosen and use a screwdriver to direct the spray from the three nozzles so the spray will completely moisten an area across the drum. To secure, hold the screwdriver so that the spray nozzle will not turn and tighten the wing knob.

6. Water spray can be turned off with water spray switch. To prevent dripping, turn off water valve.



Towing and Transporting

When equipped with a tow package, the roller is designed to be towed to and from job sites. As with most similar types of equipment being transported, certain procedures must be followed. Carefully read and follow the step by step procedure outlined here.

1. The tow vehicle should be large and heavy enough to handle the weight of the roller in all driving situations.

2. The pintle hook on the rear of the tow vehicle should be 26-32" above the ground.

3. The tow vehicle should be parked on a level surface with transmission in park, and parking brake engaged. Use wheel chocks in both directions.

4. The roller should be positioned behind the truck. Using tongue cylinder control lever and roller drive lever engage eyelet on tongue of roller with pintle hook on tow vehicle.

5. The pintle hook should be latched. Put transmission in neutral position. Dismount roller and secure safety latch to pintle hook and attach safety chains to structural member of tow vehicle.

6. The driver should be in the operator's seat. Use tongue cylinder control lever and extend tongue cylinder to full extension. **MAKE CERTAIN THAT SAFETY BAR IS ENGAGED**. The front drum should be at least 6" off the ground. Now use the wheel cylinder control levers to extend the cylinder and lower the tow wheels until the safety lock can be engaged.

7. The engine should be turned off. Slowly release pressure on the tow arm and tow wheel cylinders until they positively lock in place.

8. Safety chains, tow wheel locks, tow arm safety lock and pintle hook should be checked. Make sure all these devices are in the proper position for towing.

When transporting the roller on a trailer, use a trailer that is large and heavy enough to handle the roller in all driving situations.

1. Park transport vehicle on level surface. Secure working hand brake and block wheels in both directions.

2. Load roller onto the trailer. Block drums to prevent roller from rolling forward or backward.

3. Secure the roller to the trailer with a chain that is load rated to weight of roller. This assures chain will not fail during transporting.

Unhooking Roller from Tow Vehicle

WARNING: Do not attempt to unhook roller from tow vehicle until tow wheels are raised due to danger of runaway!

1. Park tow vehicle and roller on level surface and secure with parking brake. Use wheel chocks in both directions.

2. Start roller from the operator's position and extend the tow wheels until the wheel locks are out of the locked position.

3. Extend tongue cylinder until tongue lock is out of the locked position.

4. Dismount and move towing wheel locks and tongue lock out of the way, so when roller is lowered they will not interfere. Remove and stow safety chains. Then release pintle hook lock.

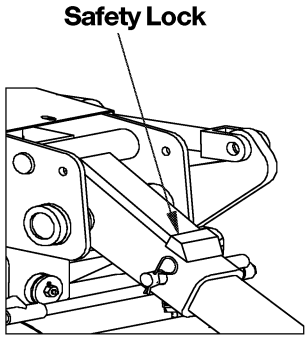
5. Use tow wheel control lever from the drivers position and slowly raise wheels until they are in the full up position. **Make sure roller is secured and will not move!**

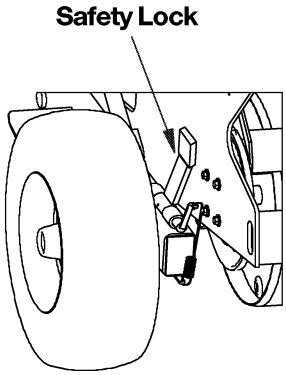
6. Using tongue control lever, lower front drum to surface.

7. Move roller forward or backward as necessary to release pressure on the pintle hook and raise tongue slightly. Now, back roller away from tow vehicle.

8. Bring tongue to full back position.

9. **Make sure roller will not move or roll while unhooking from truck!**





Preventative Maintenance

To prolong the useful life of the roller, a schedule for performing preventative maintenance has been provided below. In conjunction with this schedule an effort should be made to keep all functions of the roller working and looking as good as new.

Engine

1. Change oil and replace oil filter every 100 hours, more often if roller sits for long periods of time or roller is subjected to hot or dusty conditions. (Check engine manual for proper oil and filter requirements.)

Preventative Maintenance (cont'd)

2. Clean air filter every 100 hours, more often if dusty conditions exist. Replace if needed.

3. Replace fuel filter every 100 hours, more often if sandy conditions exist.

4. Check engine manual for additional preventative maintenance procedures.

Note: Check battery for proper water level. Make sure cables and cable terminals are free of corrosion. Always be sure to use proper eye protection when working on roller.

Hydraulic System

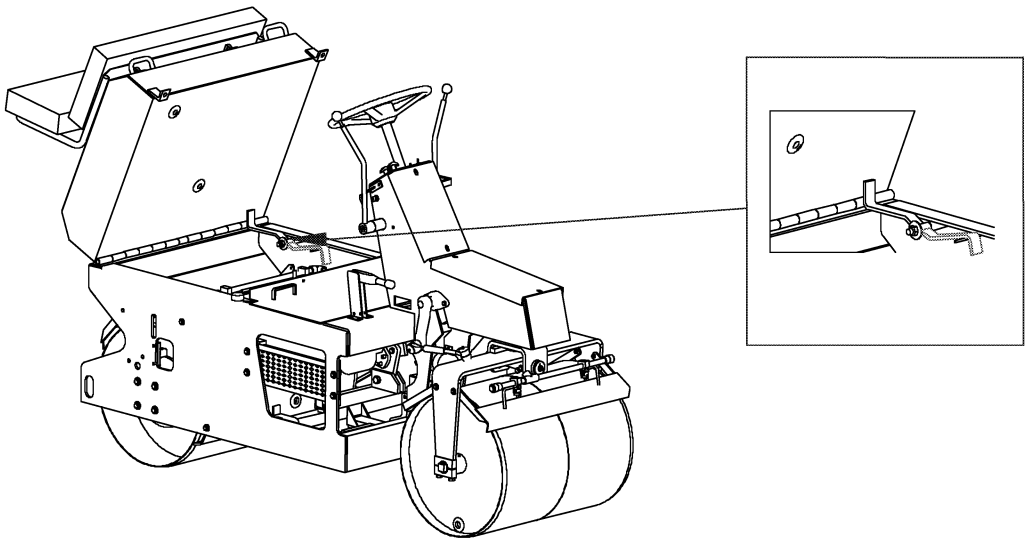
1. Replace hydraulic oil filter element every 100 hours or when oil filter guage indicates.

2. Change oil annually. If contaminations are present, flush hydraulic system before refilling.

Note: Make necessary repair to those items that are loose, corroded, show excessive wear, or are leaking.

Water Tank Safety

There is a safety latch equipped with all 300 Rollers to make sure that the water tank does not fall when it is raised to service the roller. Always utilize this device, as it is an effective safety mechanism. The water tank can only be raised when empty. Remove the bolts securing the tank and re-insert the bolts once the tank is lowered.

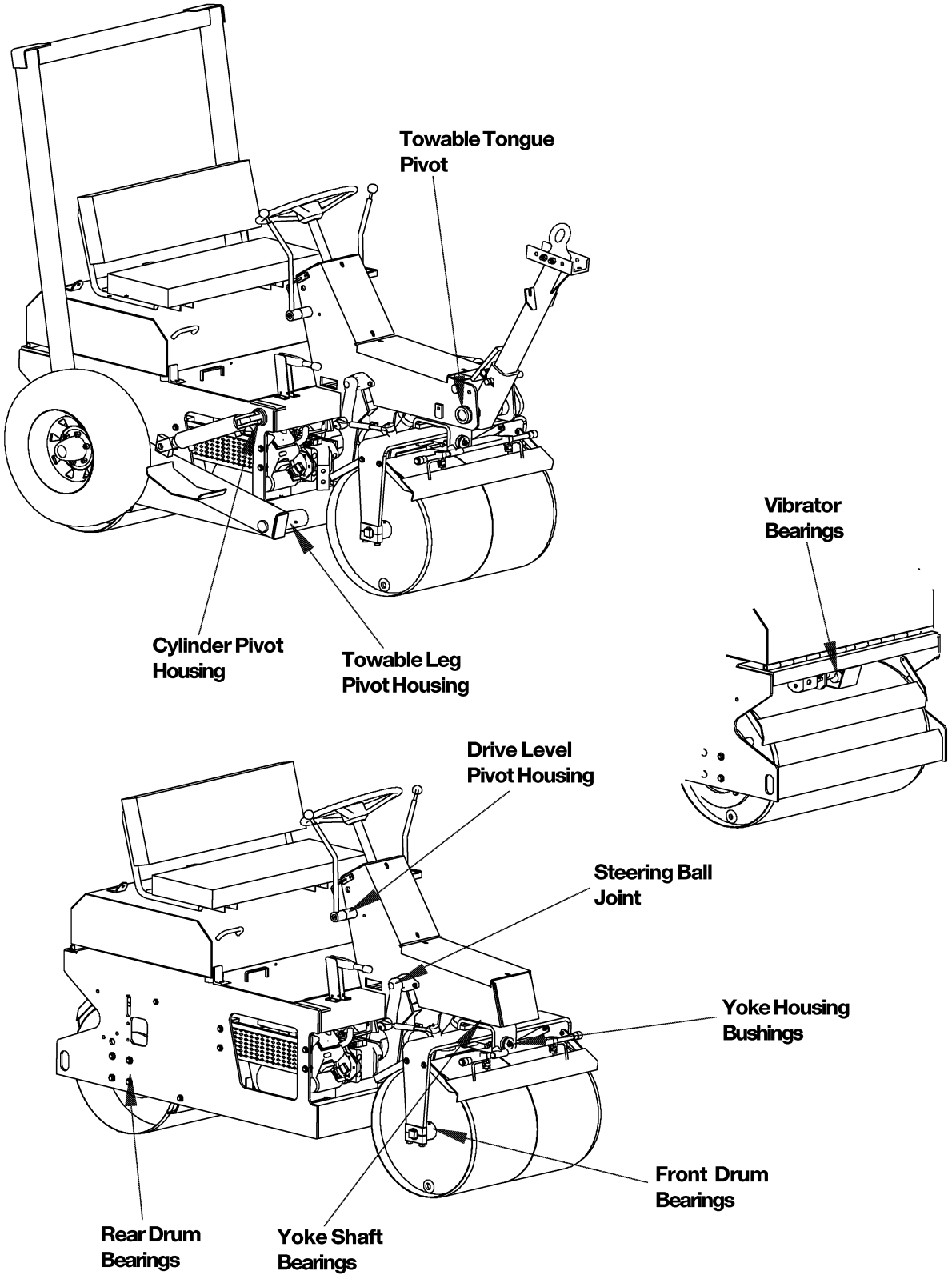


Trouble-Shooting Guide

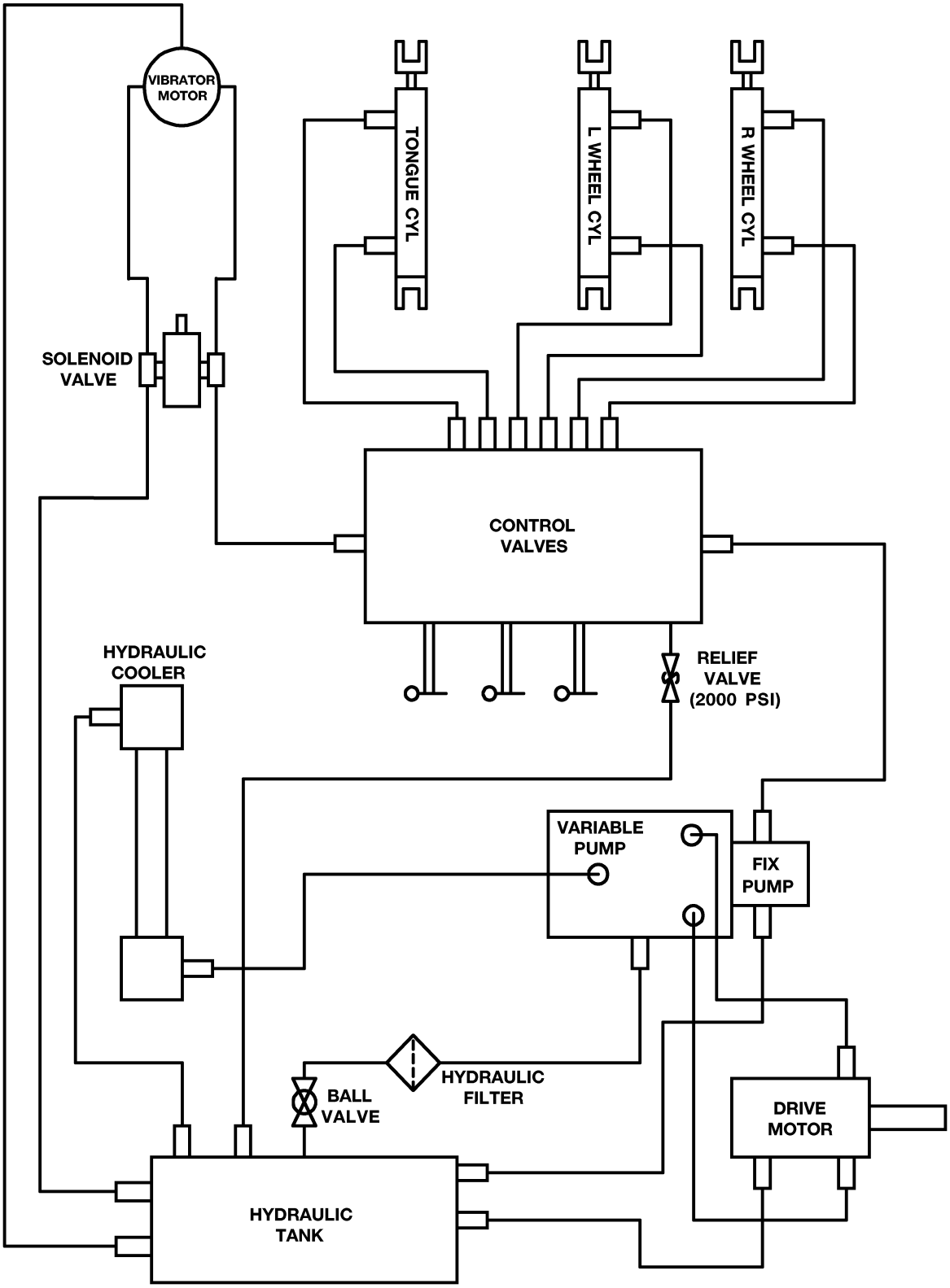
PROBLEM	SOLUTION
ENGINE WILL NOT TURN OVER	1. CHECK BATTERY 2. CHECK IGNITION SWITCH 3. CHECK NEUTRAL SAFETY SWITCH 4. CHECK STARTER SOLENOID 5. CHECK ENGINE GROUND
ENGINE WILL NOT START	1. CHECK FUEL LEVEL 2. CHECK AIR FILTER 3. CHECK FUEL SHUTOFF CONNECTION (DIESEL) 4. CHECK FAN BELT (DIESEL) 5. CHECK ENGINE MANUAL
WATER SYSTEM WILL NOT OPERATE	1. CHECK WATER LEVEL 2. CHECK "Y" STRAINER UNDER TANK 3. CHECK NOZZLE STRAINER 4. CHECK WATER PUMP A. CHECK PUMP SWITCH B. CHECK HOT WIRE TO PUMP C. CHECK GROUND TO PUMP D. CHECK WATER VALVE POSITION
FORWARD/REVERSE LEVER WILL NOT STAY IN POSITION OR IS TIGHT	1. LUBRICATE FITTING 2. ADJUST FRICTION NUT AT BOTTOM OF LEFT HAND LEVER 3. CHECK CABLE FOR BIND
ROLLER WILL NOT MOVE/ NOTICEABLE LOSS OF POWER	1. CHECK PARKING BRAKE 2. CHECK HYDRAULIC PUMP A. INSTALL PRESSURE GAUGE IN HOSE A/B AND PLUG A/B DRIVE MOTOR HOSE. B. START ENGINE C. SLOWLY MOVE FORWARD, REVERSE LEVER TO EITHER POSITION UNTIL PRESSURE REACHES 2500 PSI. THIS ASSURES PUMP IS FUNCTIONING PROPERLY. D. TURN ENGINE OFF AND RECONNECT HOSES. 3. CHECK HYDRAULIC MOTOR A. START ENGINE AND BACK MACHINE AGAINST IMMOBILE OBJECT; USE REVERSE LEVER (1/2 TROTTLE) AND SEE IF DRUM SPINS WHILE ROLLER IS PUSHING AGAINST OBJECT.

Lubrication Chart

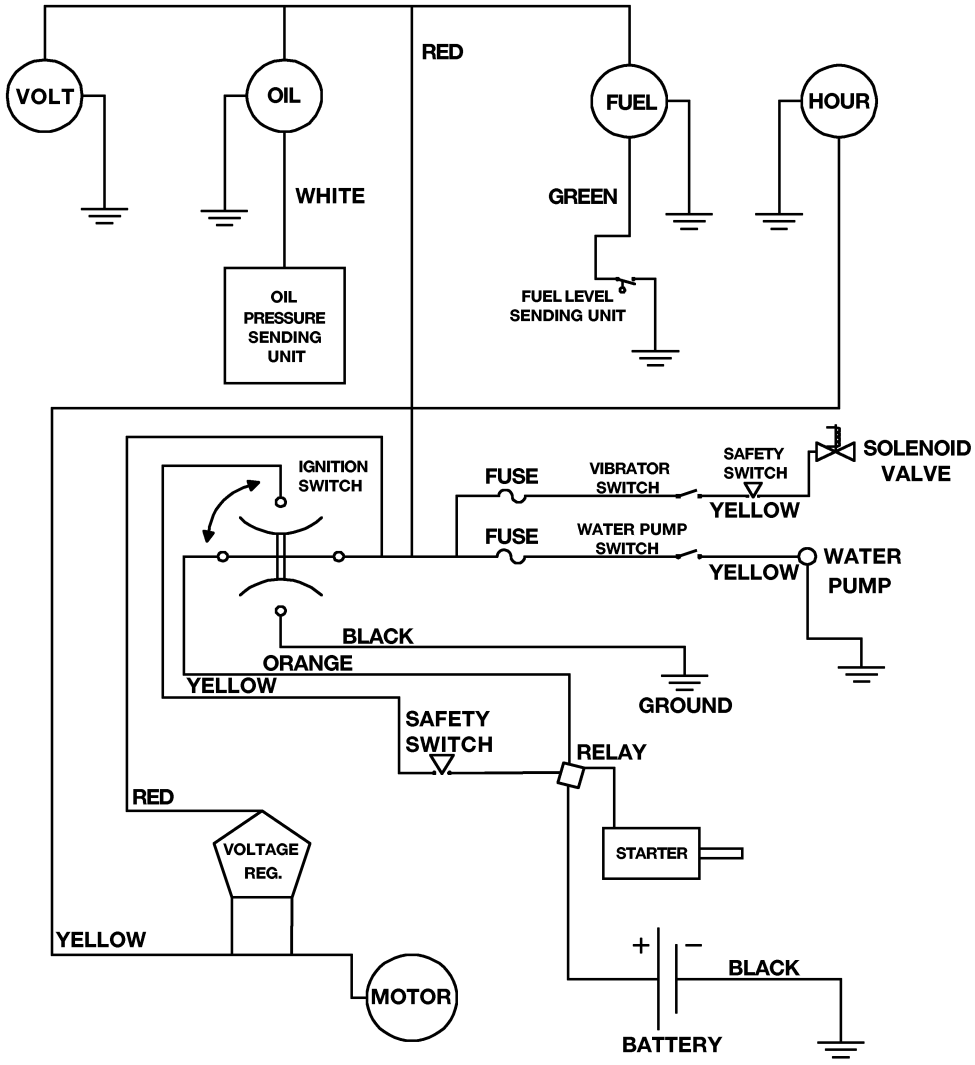
Every 100 hours, grease sealed bearings with hand grease gun. Note that over greasing sealed bearings may damage seal. Location of grease fittings are identified below.



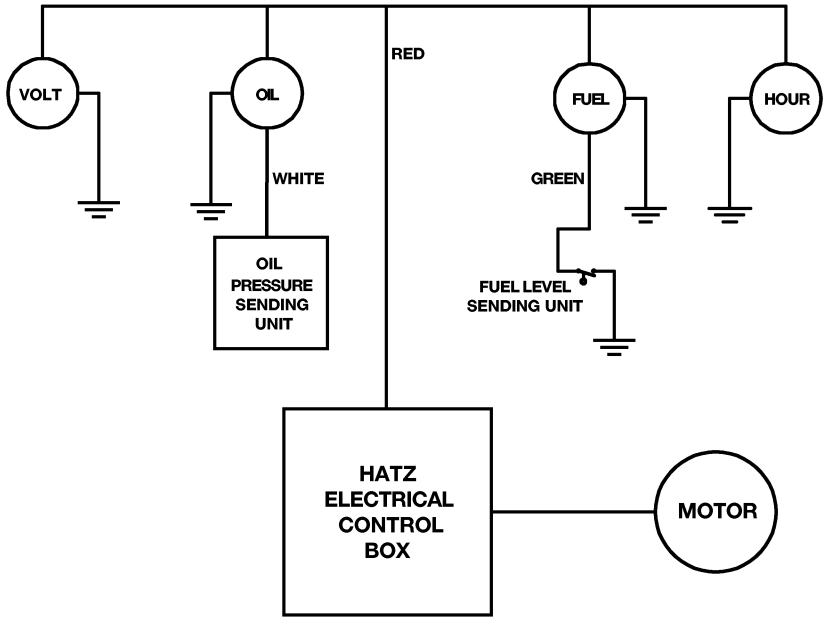
300/300T Hydraulic System Schematic



300/300T Electrical Wiring Schematic (Gas)



300/300T Electrical Wiring Schematic (Diesel)



Parts Information

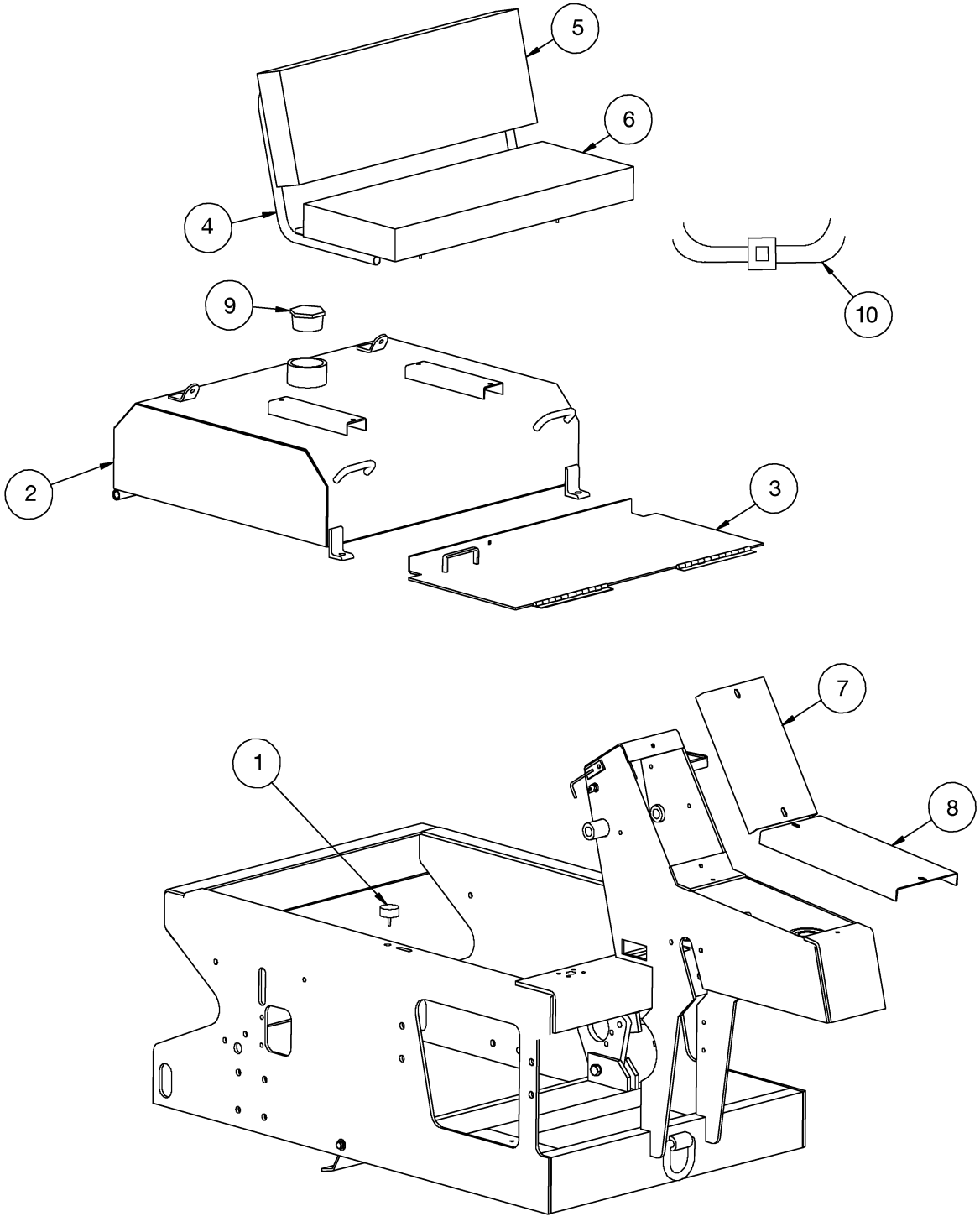
In order to expedite locating and shipping of parts you may need, please refer to the following information:

1. All parts must be ordered by a LeeBoy dealer.
2. The model and serial number of the unit should be given when ordering parts.
3. Parts should be ordered by part number and description.

Major Wear Parts

PART NO.	DESCRIPTION
480110	WATER PUMP
480010	WATER NOZZLE
800019A	ELEMENT, SUCTION
490040	SWITCH, NEUTRAL SAFETY
500040	SWITCH, TOGGLE
314170	OIL FILTER (HATZ DIESEL)
314180	FUEL FILTER (HATZ DIESEL)
314130	AIR FILTER (GAS)
314140	OIL FILTER (GAS)
314200	STARTER (GAS)
314210	SOLENOID, STARTER (GAS)
314220	VOLTAGE REGULATOR (GAS)
314190	MUFFLER, (GAS-SPECIFY R,L)
313042	SCRAPER, FRONT DRUM FRONT MOUNT
313062	SCRAPER, FRONT DRUM REAR MOUNT
312092	SCRAPER, REAR DRUM FRONT MOUNT
312102	SCRAPER, REAR DRUM REAR MOUNT

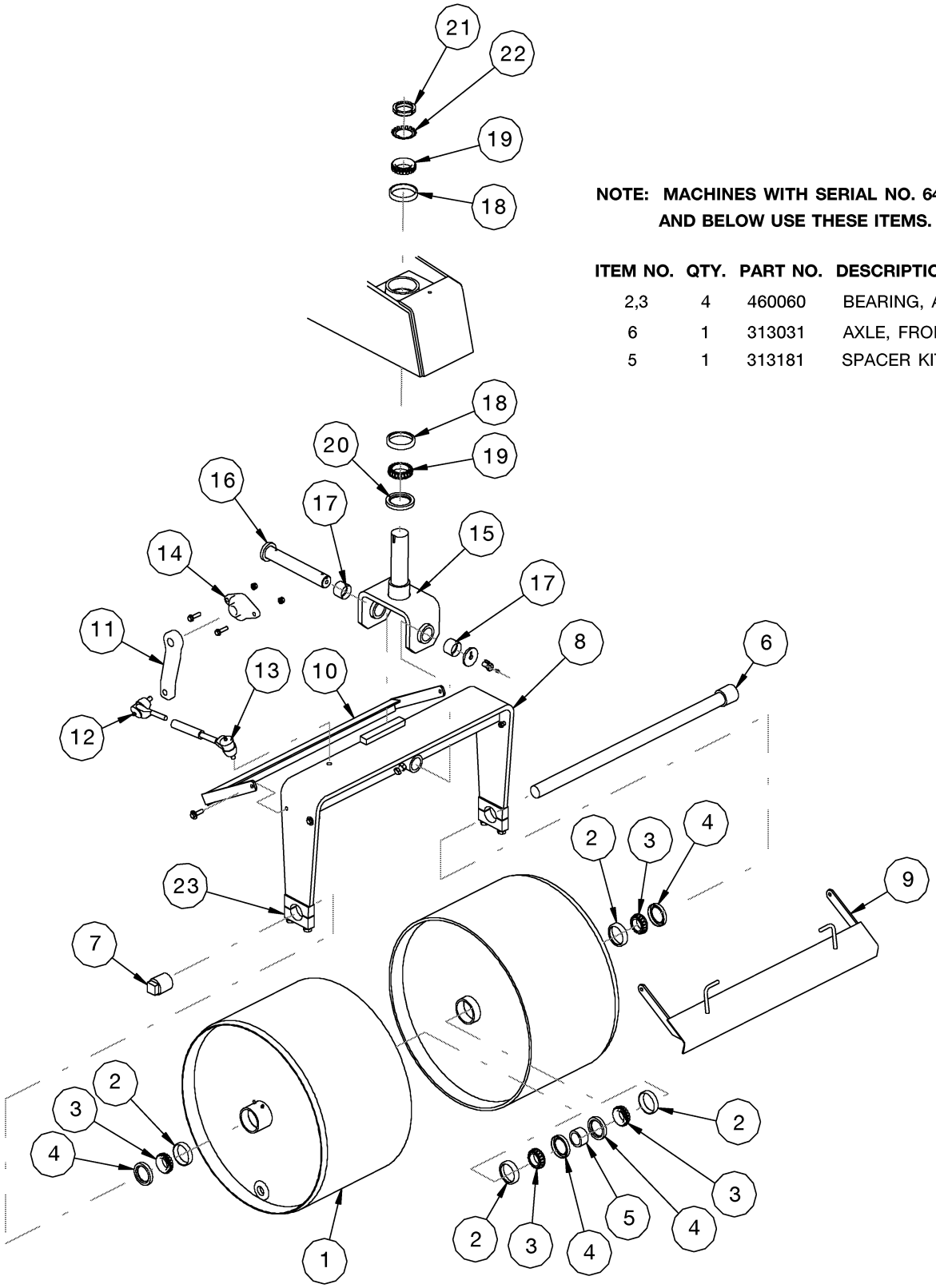
Water Tank and Main Frame



Water Tank and Main Frame

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	2	410070	BUMPER, WATER TANK	
2	1	315054	TANK, WATER	
3	1	315062	FLOORBOARD ASSY.	
4	1	315000	SEAT ASSY.	
5	1	315010	CUSHION, SEAT BACK	
6	1	315030	CUSHION, SEAT BOTTOM	
7	1	315081	CONSOLE, TOP	
8	1	315071	CONSOLE, BOTTOM	
9	1	315040	PLUG, WATER TANK FILL	
10	1	730-3050	SEAT BELT	

Front Drum and Crossmember



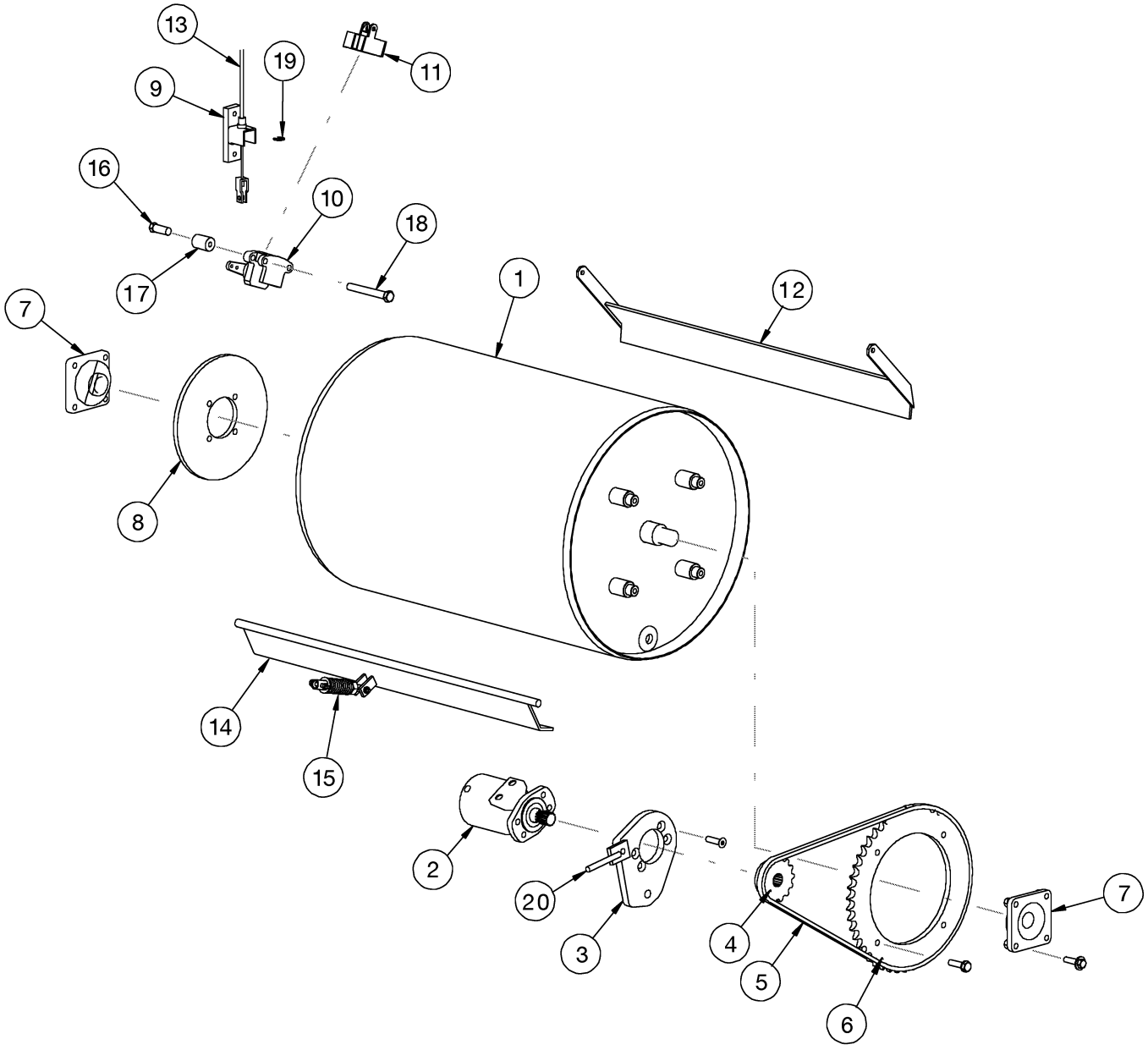
NOTE: MACHINES WITH SERIAL NO. 647 AND BELOW USE THESE ITEMS.

ITEM NO.	QTY.	PART NO.	DESCRIPTION
2,3	4	460060	BEARING, AXLE
6	1	313031	AXLE, FRONT DRUM
5	1	313181	SPACER KIT, FRONT AXLE

Front Drum and Crossmember

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	2	313014	DRUM, HALF FRONT (20”, 647 AND DOWN)	
	2	313014A	DRUM, HALF FRONT (24”, 648 AND UP)	
2	4	313190	BEARING, CUP	
3	4	313180	BEARING, CONE	
4	4	313240	SEAL, FRONT BEARING HOUSING	
5	1	313181	KIT, FRONT AXLE SPACER	
6	1	313031A	AXLE, FRONT DRUM	
7	1	313032A	NUT, FRONT AXLE	
8	1	313054A	CROSSMEMBER, FRONT END	
9	2	313042	SCRAPER, FRONT DRUM FRONT MOUNT.	
10	1	313062	SCRAPER, FRONT DRUM REAR MOUNT.	
11	1	311030	PITMAN ARM, STEERING	
12	1	311040A	BALLJOINT, DRAG LINK	
13	1	311050	BALLJOINT, DRAG LINK	
14	1	313170A	BEARING, 2 BOLT FLANGE (W/SET SCREW)	
15	1	313091	YOKE, STEERING	
16	1	313161	PIN, YOKE	
17	2	110130A	BUSHING	
18	2	210190	BEARING, CUP	
19	2	210180	BEARING, CONE	
20	1	210240	SEAL	
21	1	210160	LOCK NUT	
22	1	210170	LOCK WASHER	
23	2	313200	CLAMP, FRONT AXLE	

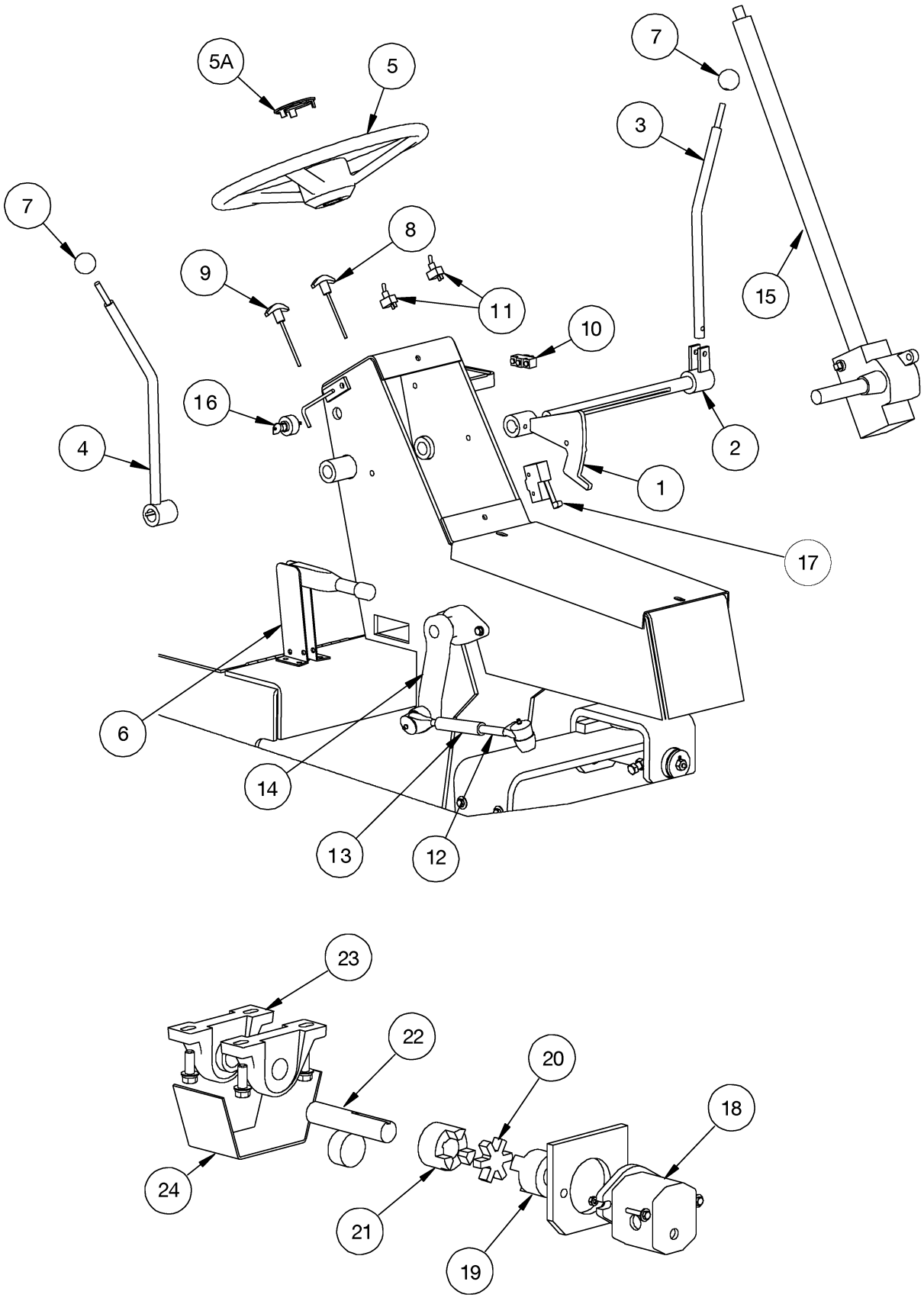
Rear Drum Assembly



Rear Drum Assembly

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	312014	DRUM, REAR ASSY	
2	1	312080	MOTOR, HYD. DRIVE	
3	1	300197	SUPPORT, HYD DRIVE MOTOR	
4	1	312070	SPROCKET, 80B14X1.25 (14 SPLINE)	
5	1	312060	CHAIN, DRUM DRIVE (48 TOOTH)	
		470010	CHAIN, DRUM DRIVE (54 TOOTH)	
6	1	430150-48	SPROCKET, 48 TOOTH (SPECIFY TOOTH#)	
		430150-54	SPROCKET, 54 TOOTH	
7	2	312030	BEARING, 4 BOLT FLANGE W/SET SCREW	
8	1	312051	BRAKE, DISC 11 3/4" OD	
9	1	312141	BRKT, BRAKE CABLE SUPPORT	
10	1	312110	CALIPER, BRAKE	
11	1	120470	KIT, BRAKE PAD	
12	1	312102	SCRAPER ASSY, TOP REAR DRUM	
13	1	312120	CABLE, EMERGENCY/PARKING BRAKE	
14	1	312092	FRONT SCRAPER, REAR DRUM	
15	2	430040	COMPRESSION SPRING, DRUM WIPER	
16	1	312160	BOLT, BRAKE CALIPER TO SPACER	
17	1	312111	SPACER, BRAKE CALIPER TO FRAME	
18	1	312150	BOLT, PARKING BRAKE CALIPER	
19	1	120390	E CLIP, BRAKE CABLE RETAINER	
20	1	300305	BRKT, CHAIN ADJUSTER	

Control Group / Vibrator Assembly

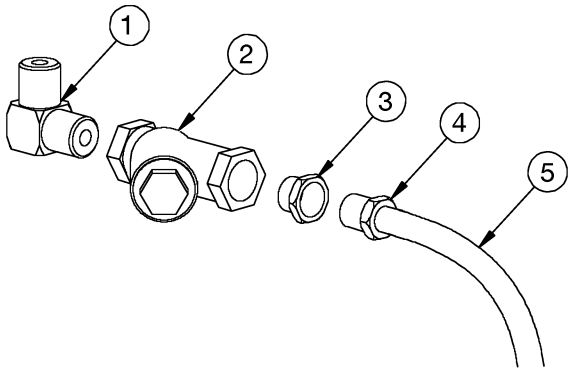


Control Group / Vibrator Assembly

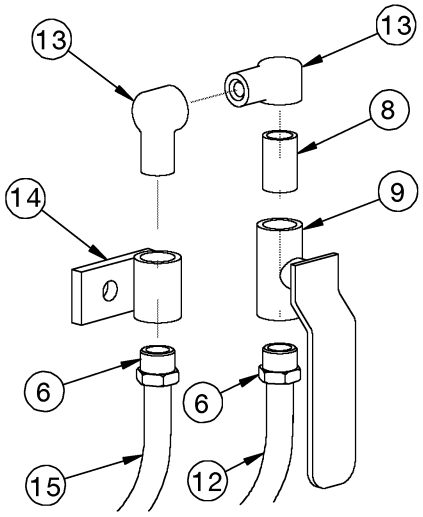
ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	311111	CONTROL ARM, FWD	
2	1	300313	SHAFT ASSY., FWD. / REV.	
3	1	300314	LEVER, FWD. / REV. (LH)	
4	1	311061	LEVER, FWD & REV (RH)	
5	1	311010	WHEEL, STEERING	
5A	1	300010	CAP, STEERING WHEEL	
6	1	140060	BRAKE, EMERGENCY/PARKING	
7	2	140250	KNOB, CONTROL LEVER FWD. & REV.	
8	1	311090	CABLE, CHOKE	
9	1	311100	CABLE, THROTTLE (SPECIFY GAS OR DIESEL)	
10	1	490040	SWITCH, NEUTRAL SAFETY	
11	2	500040	SWITCH, TOGGLE (ON/OFF)	
12	1	311040A	BALLJOINT, DRAG LINK	
13	1	311050	DRAG LINK, STEERING	
14	1	311030	PITMAN ARM, STEERING	
15	1	311020	STEERING, COLUMN & BOX	
16	1	311120	SWITCH, IGNITION (SPECIFY GAS OR DIESEL)	
	1	311120-1	KEY, (SPECIFY GAS OR DIESEL)	
17	1	500140	SWITCH, VIBRATOR ACTUATOR	
18	1	314250	HYD. MOTOR, VIBRATOR	
19	1	460020	CPLG, 3 JAW CPLG L100 X .625” SHAFT	
20	1	460030	INSERT, 3 JAW CPLG L099-L100	
21	1	460040A	CPLG, 3 JAW CPLG L100 X 1.25” SHAFT	
22	1	300252	SHAFT, VIBRATOR	
23	2	210410	BEARING, VIBRATOR SHAFT	
24	1	300254	SHIELD, VIBRATOR	

Water System Assembly

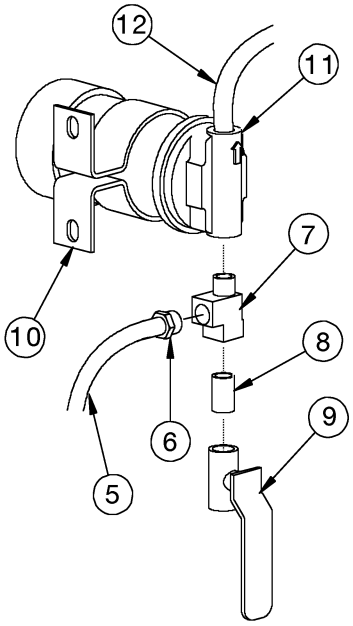
WATER TANK CONNECTIONS



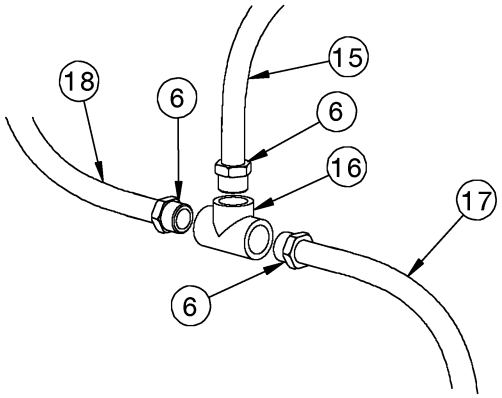
CONTROL PANEL CONNECTIONS



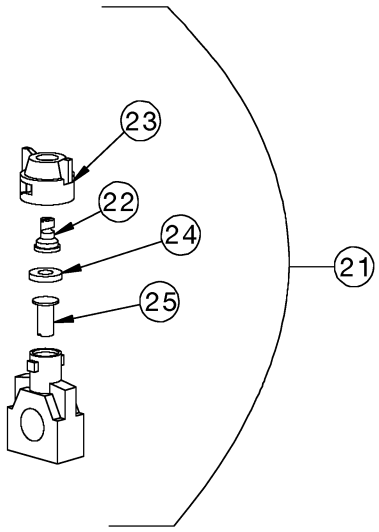
WATER PUMP CONNECTIONS



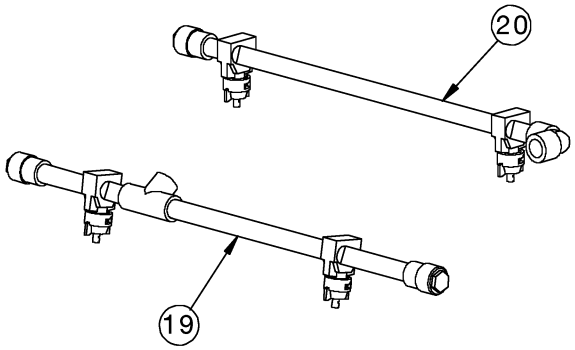
SPRAYBAR TEE CONNECTIONS



WATER SPRAY NOZZLE COMPONENTS



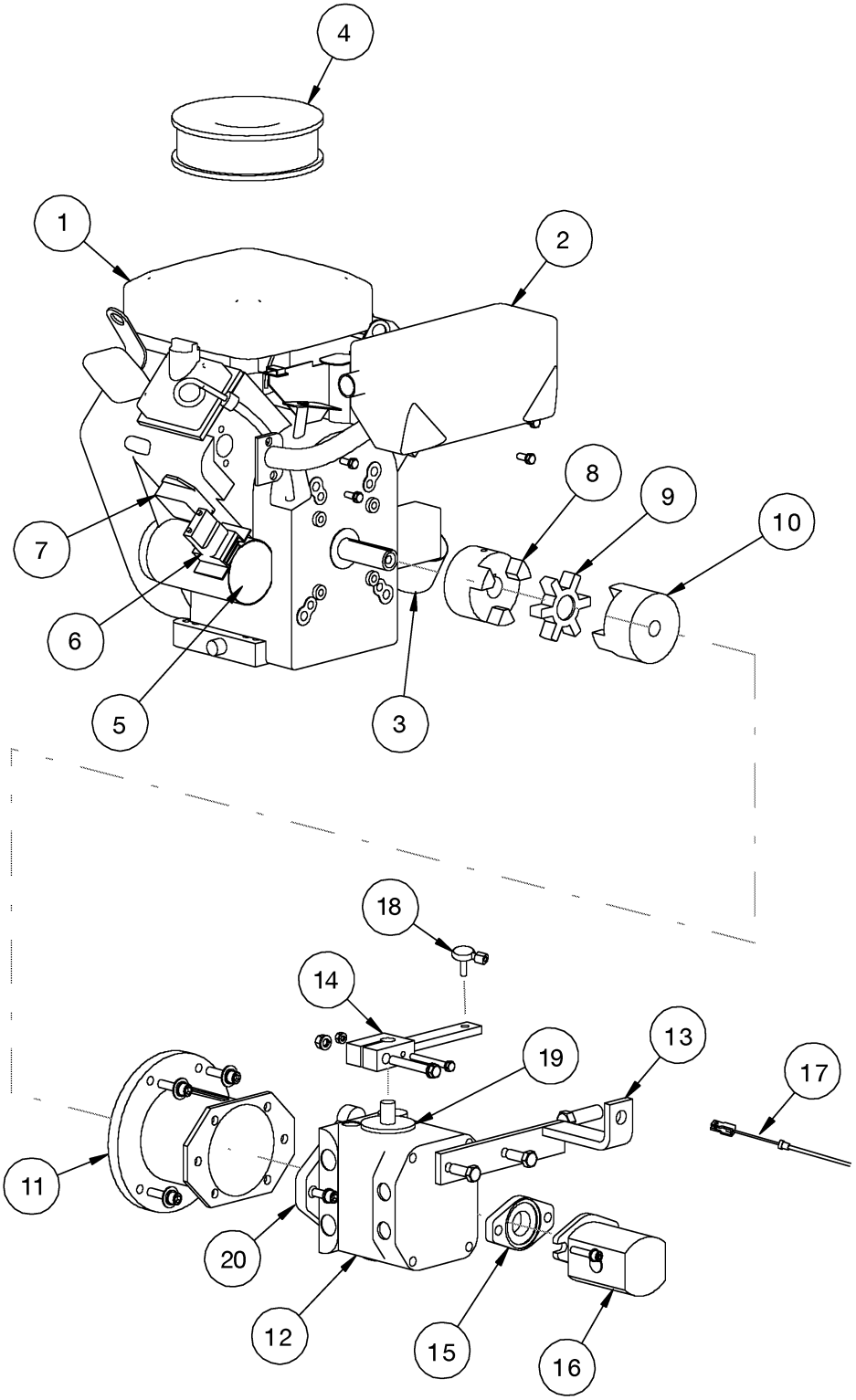
FRONT/REAR SPRAYBARS



Water System Assembly

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	480060	ELBOW, 3/4" NPT	
2	1	480080	STRAINER, 3/4" "Y"	
3	1	480050	BUSHING, HEX HEAD 3/4" X 1/2"	
4	1	480030	ADAPTER, 1/2" HOSE X 1/2" NPT (MALE)	
5	1	480040	HOSE, WATER TANK TO PUMP INLET	
6	6	480280	ADAPTER, 3/8" NPT X 1/2" HOSE (BARBED)	
7	1	480170	TEE, 3/8" NPT STR.	
8	2	480120	NIPPLE, 3/8" CLOSE	
9	2	480160	VALVE, BALL 3/8" THD	
10	1	480260	BRKT, WATER PUMP	
11	1	480110	PUMP, WATER 12 VOLT 7 AMP 2.1 GPM	
12	1	480040	HOSE, PUMP OUTLET TO VALVE	
13	2	480230	ELBOW, 3/8" STREET	
14	1	480220	BRKT, WATER SYS. VALVE	
15	1	480040	HOSE, VALVE OUTLET TO TEE	
16	1	480140	TEE, 3/8" THD.	
17	1	480040	HOSE, TEE TO FRONT SPRAYBAR	
18	1	480040	HOSE, TEE TO REAR SPRAYBAR	
19	1	316181	SPRAY BAR, FRONT	
20	1	316021	SPRAY BAR, REAR	
21	4	480010	NOZZLE, WATER SPRAY	
22	1	480010-1	TIP, WATER SPRAY NOZZLE	
23	1	480010-3	CAP, WATER SPRAY NOZZLE	
24	1	480010-4	WASHER, WATER SPRAY NOZZLE	
25	1	480010-2	STRAINER, WATER SPRAY NOZZLE	

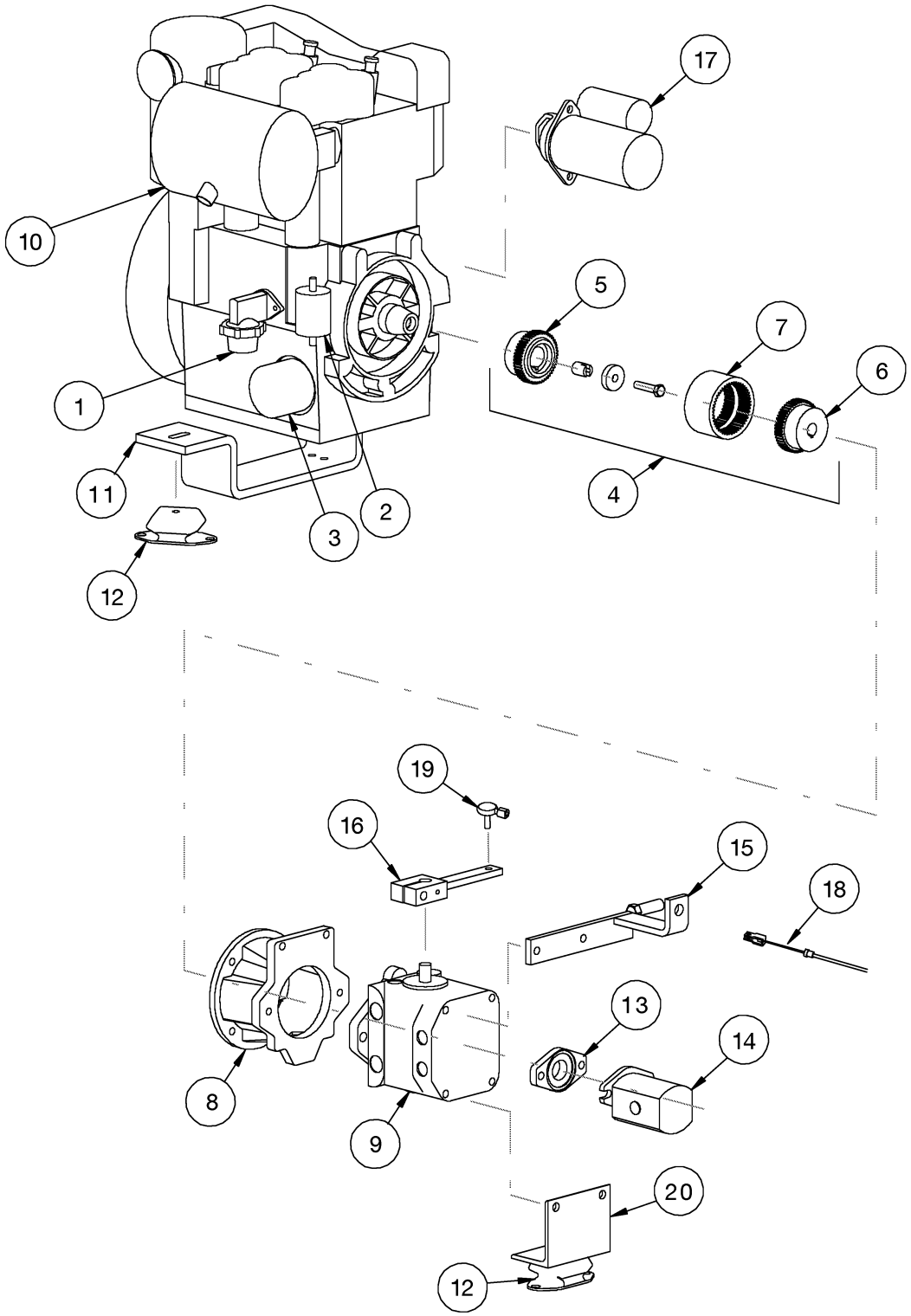
Gas Engine and Components



Gas Engine and Components

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	314120	ENGINE, BRIGGS VANGUARD 16 HP	
2	1	314190	MUFFLER, BRIGGS VANGUARD 16 HP	
3	1	314140	FILTER, OIL BRIGGS VANGUARD 16 HP	
4	1	314130	FILTER, AIR BRIGGS VANGUARD 16 HP	
5	1	314200	STARTER, BRIGGS VANGUARD 16 HP	
6	1	314210	SOLENOID, STARTER BRIGGS VANGUARD 16 HP	
7	1	314220	REGULATOR, VOLT. BRIGGS VANGUARD 16 HP	
8	1	314100C	COUPLING, 3 JAW L110 X 1" SHAFT	
9	1	314100B	INSERT, 3 JAW CPLG L110	
10	1	314100A	COUPLING, 3 JAW L110 X 3/4" SHAFT	
11	1	314110	HOUSING, DRIVE COUPLING	
12	1	314090 314090T	PUMP, HYD. DRIVE PUMP, HYD. DRIVE TOWABLE ROLLER	
13	1	314092	SUPPORT, FWD/REV CABLE	
14	1	314091	CONTROL ARM, PUMP	
15	1	314090T1	KIT, AUXILIARY PUMP MOUNT	
16	1	314090T2	PUMP, AUXILIARY POWER	
17	1	500770	CABLE, FWD/REV	
18	1	920090	SPHERICAL ROD END	
19	1	314090-2	SEAL, TRUNION SHAFT	
20	1	314090-1	SEAL, INPUT SHAFT	

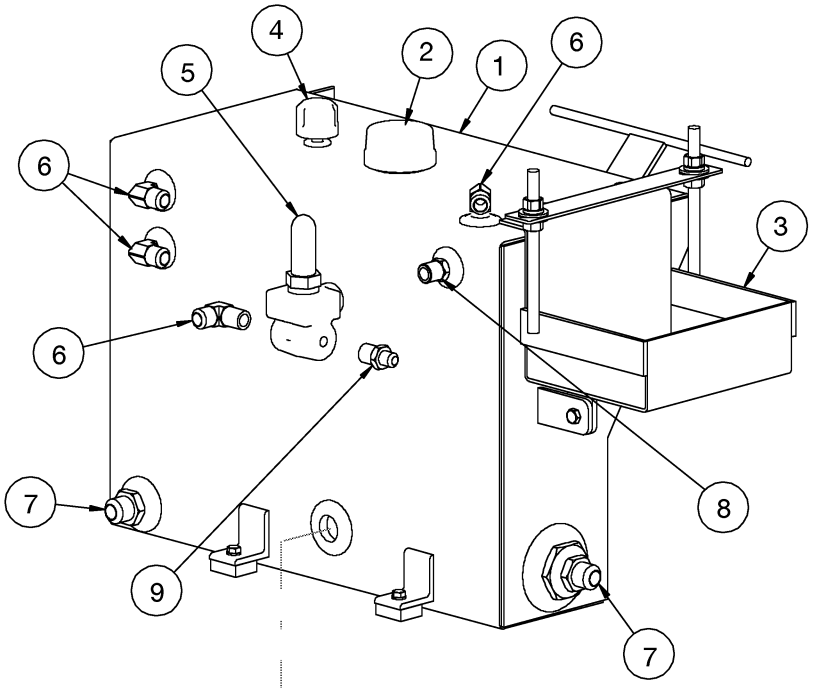
Diesel Engine and Components

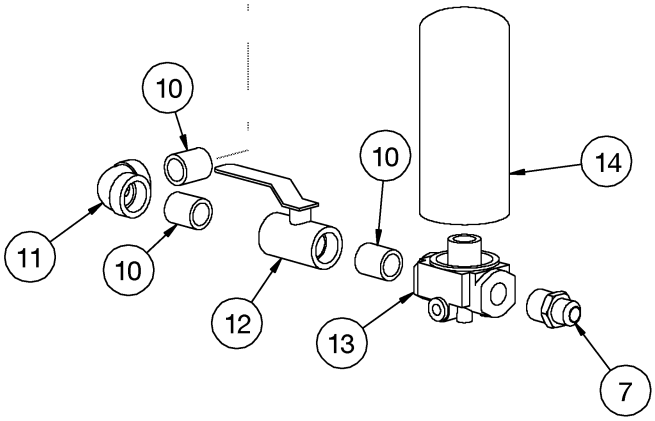


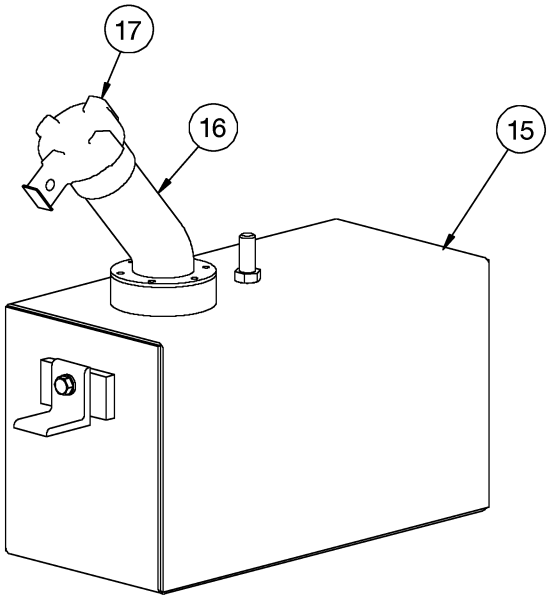
Diesel Engine and Components

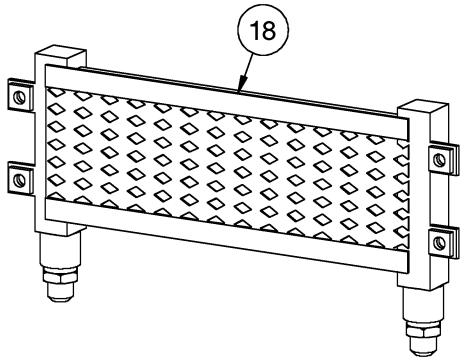
ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	HAT01478901	PUMP, FUEL HATZ 2G40	
2	1	314180	FILTER, INLINE FUEL HATZ 2G40	
3	1	314170	FILTER, OIL HATZ 2G40	
4	1	314300	KIT, CPLG DRIVE	
5	1	314270	COUPLING HALF, ENGINE DRIVE	
6	1	314290	COUPLING HALF, PUMP DRIVE	
7	1	314280	HOUSING, DRIVE COUPLINGS	
8	1	314310	ADAPTER, 2G40 HYD. PUMP	
9	1	314090 314090T	PUMP, HYD. DRIVE PUMP, HYD. DRIVE TOWABLE ROLLER	
10	1	314320	MUFFLER, HATZ 2G40	
11	1	300383	SUPPORT, HATZ 2G40	
12	3	530090	MOUNT, RUBBER ENGINE MOUNT	
13	1	314090T1	KIT, AUXILIARY PUMP MOUNT	
14	1	314090T2	PUMP, AUXILIARY POWER	
15	1	314092	SUPPORT, FWD/REV CABLE	
16	1	314091	CONTROL ARM, PUMP	
17	1	314330	STARTER, HATZ 2G40	
18	1	500770	CABLE, FWD/REV	
19	1	920090	SPHERICAL ROD END	
20	1	300384	BRKT, HYD. PUMP	

Hydraulic Tank Components and Fuel Tank





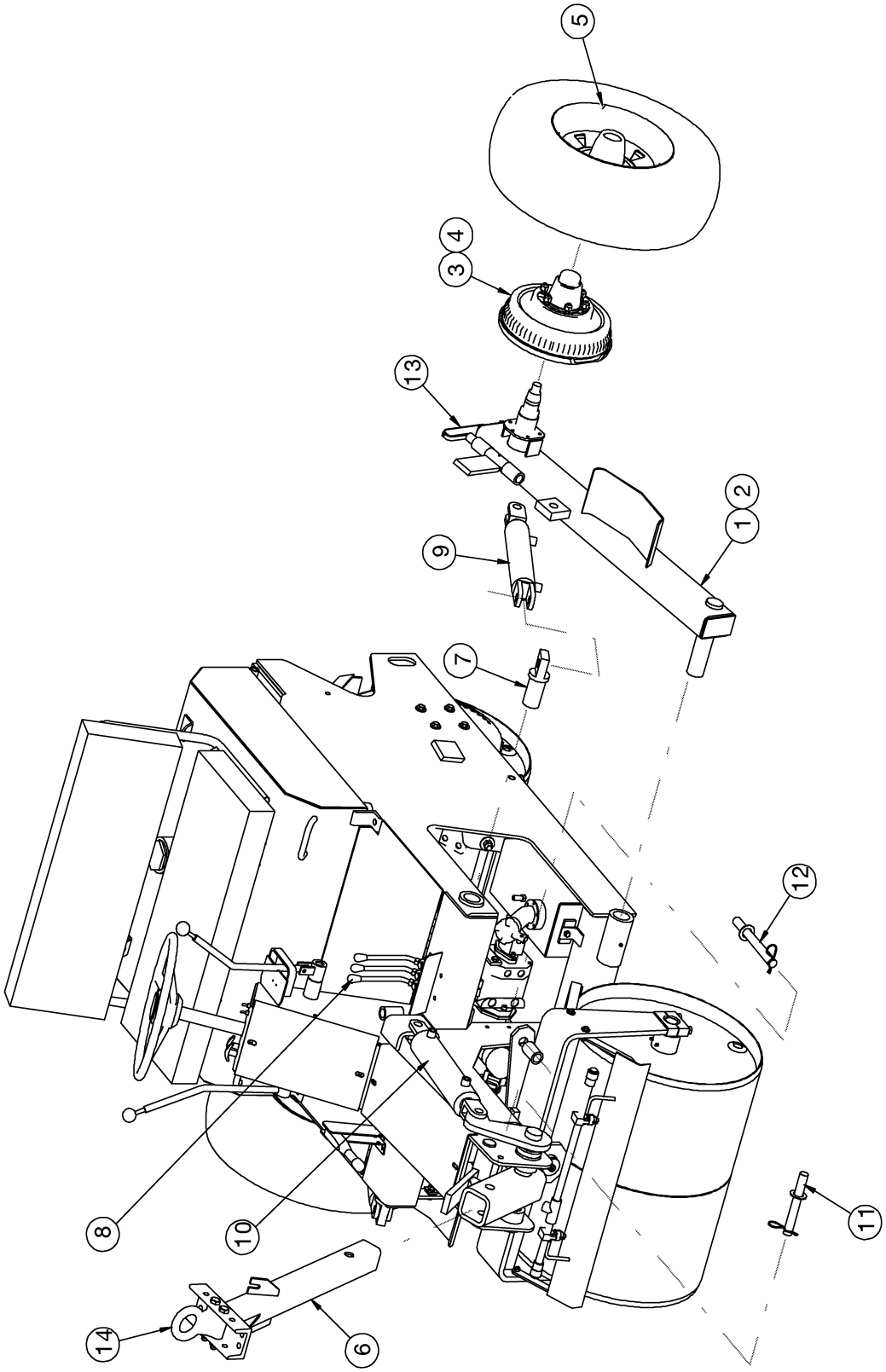




Hydraulic Tank Components and Fuel Tank

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	314013	HYD. TANK, BATTERY BOX ASSY.	
2	1	410080	CAP, PIPE 2"	
3	1	300273	TRAY, BATTERY GAS	
4	1	620050	CAP, BREATHER	
5	1	500080	VALVE, VIBRATOR RELIEF	
6	4	2501-8-8	ELBOW, 1/2" HOSE X 1/2" NPT	
7	3	2404-12-16	ADAPTER, PIPE TO HOSE	
8	1	5404-8-8	ADAPTER, PIPE TO HOSE	
9	1	480030	ADAPTER, PIPE TO HOSE	
10	3	280200	NIPPLE, 1" X CLOSE	
11	1	280170	ELBOW, 1"	
12	1	280210	VALVE, BALL 1"	
13	1	160500	HEAD, FILTER SUCTION	
14	1	800019A	FILTER, HYD. OIL	
15	1	314033	FUEL TANK	
16	1	300-FN	FILLER NECK, GAS TANK	
17	1	140030FL	CAP, FUEL LOCKABLE	
18	1	910110	HYDRAULIC OIL COOLER ASSY.	

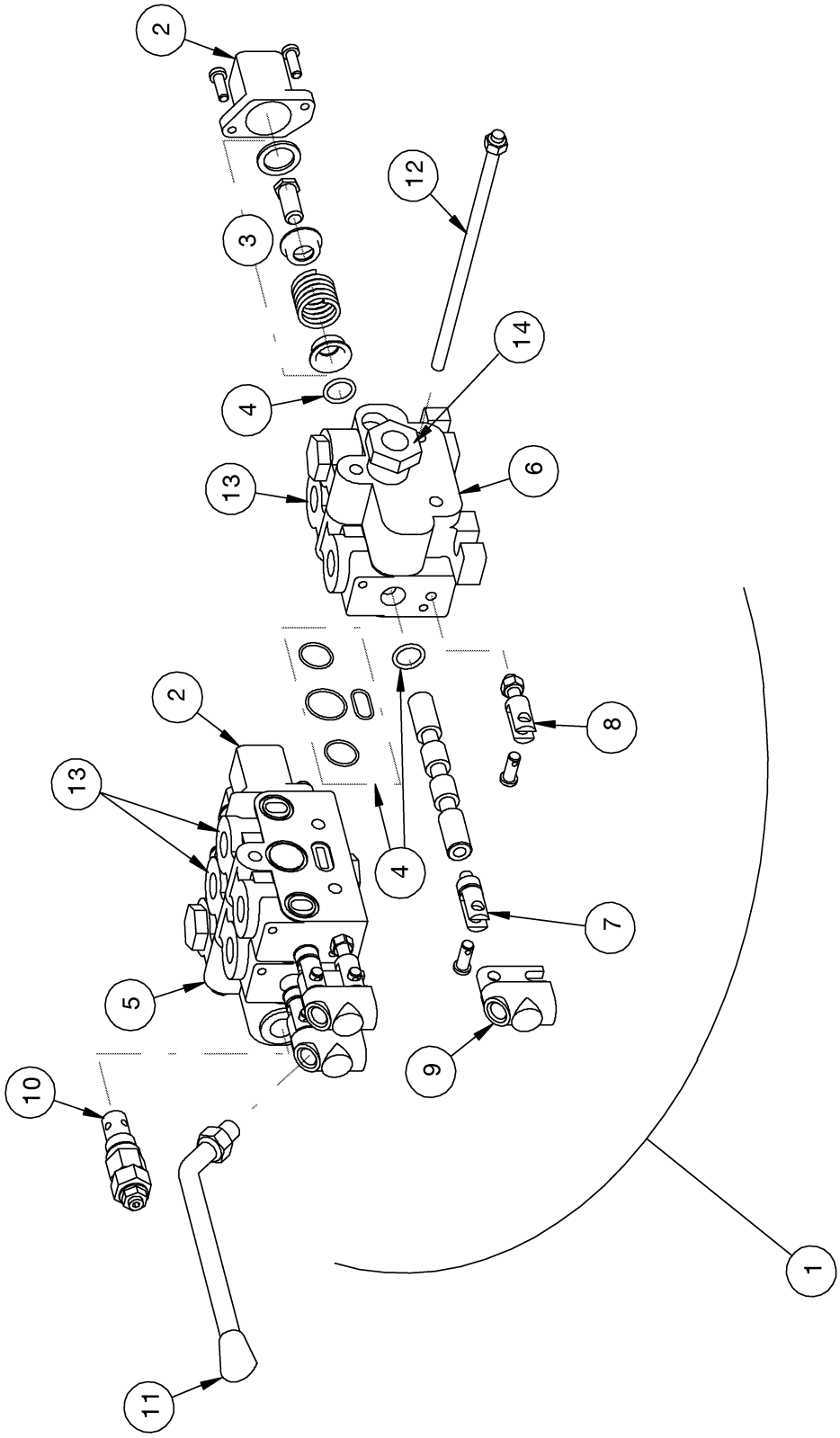
Tow Package



Tow Package

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	317043R	TOW ARM, TOW LEG ASSY. (RH)	
2	1	317043L	TOW ARM, TOW LEG ASSY. (LH)	
3	1	340060R	BRAKE ASSY., 5200# (RH)	
4	1	340060L	BRAKE ASSY., 5200# (LH)	
5	2	150090A	WHEEL/TIRE, 15" RIM 6 LUG	
	2	150080A	WHEEL, 15" RIM 6 LUG (RIM ONLY)	
6	1	317092	TONGUE, TOW	
7	2	317061	MOUNT, TOW LEG CYLINDER	
8	1	510270	VALVE, 3-SECTION ASSY.	
9	2	650080	CYLINDER, TOW LEG	
10	1	870090	CYLINDER, TOW TONGUE	
11	1	510041	PIN, TONGUE RETAINER	
12	1	300362	PIN, DRUM STABILIZER	
13	1	510140	TENSION SPRING	
14	1	510200	PINTLE RING	
15	1	130050-1	SEAL KIT, HYD. CYL. (TOWING ARM)	
16	1	870311	SEAL KIT, HYD. CYL. (TOWING TONGUE)	

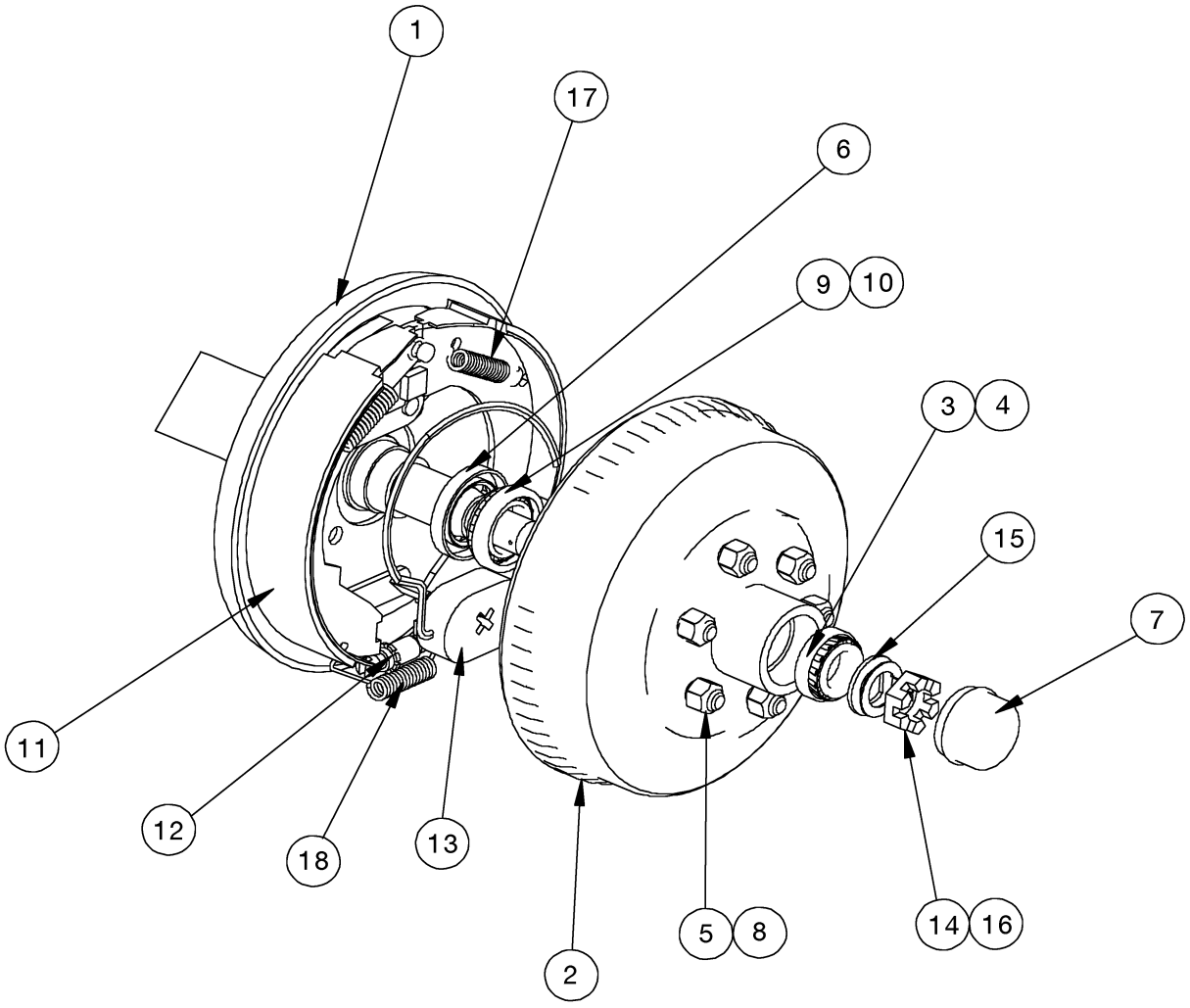
Valve Assembly (Towable Roller)



Valve Assembly (Towable Roller)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	1	510270	VALVE ASSY., 3 SECTIONS	
2	3	510230	COVER, VALVE SECTION	
3	3	510220	KIT, SPRING RETURN	
4	4	510240	KIT, VALVE SECTION & SPOOL O-RING	
5	1	510190L	END COVER, L.H.	
6	1	510190R	END COVER, R.H.	
7	3	255250	CLEVIS, VALVE SPOOL	
8	3	670220	CLEVIS, VALVE LEVER	
9	3	670230	MOUNT, VALVE LEVER	
10	1	510180	VALVE, RELIEF	
11	3	670240	LEVER, VALVE ACTUATOR	
12	3	510210	KIT, 3 SECTION VALVE ASSY. STUD	
13	3	510260	VALVE, SECTION	
14	1	510280	PWR SLEEVE, PWR BEYOND	

Brake Assembly (Tow Package)



Brake Assembly (Tow Package)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	REFERENCE LOCATION
1	2	340060L/R	BRAKE ASSY., 5200# L/R	
2	2	317030	BRAKE DRUM ASSY., 5200#	
3	1	610230	CUP, ROLLER BEARING	
4	1	610240	CONE, ROLLER BEARING	
5	6	620510	WHEEL STUD	
6	1	610190	WHEEL SEAL 5200#	
7	1	340040	GREASE CAP 5200#	
8	6	620520	LUG NUT	
9	1	610200	CUP, ROLLER BEARING	
10	1	610210	CONE, ROLLER BEARING	
11	2	340070	BRAKE SHOE KIT12 x 2	
12	1	340110	BRAKE ADJUSTER	
13	1	340100	ELECTRO-MAGNET	
14	2	610260	AXLE NUT	
15	2	610250-1	D-WASHER	
16	2	610250	LOCKWASHER	
17	2	340130	SPRING KIT	
18	1	340110	SPRING	

*** ITEM 2 INCLUDES ITEMS 3 THRU 10.**
*** ITEM 1 INCLUDES ITEMS 11 THRU 13, 17, 18.**

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