



CUSHMAN®

PARTS AND MAINTENANCE MANUAL

Classic

TURF TRUCKSTER MODELS 898543C AND 898546C



WARNING If incorrectly used this machine can cause severe injury. Those who use and maintain this machine should be trained in its proper use, warned of its dangers and should read the entire manual before attempting to set up, operate, adjust or service the machine.

Part No. 2701376

CUSHMAN

TEXTRON
TURF CARE AND SPECIALTY PRODUCTS

GENERAL INFORMATION



IMPORTANT!

THIS MANUAL WILL AID YOU IN THE SAFE OPERATION AND PROPER MAINTENANCE OF YOUR EQUIPMENT. READ MANUAL THOROUGHLY BEFORE ATTEMPTING OPERATION. IF ANY PORTION IS NOT CLEARLY UNDERSTOOD, CONTACT AN AUTHORIZED DEALER FOR CLARIFICATION.

To make sure you are fully aware of safety and service information, the following two symbols are used throughout this manual.



This symbol is used throughout the manual to alert you to information about unsafe actions or situations, and will be followed by the word DANGER, WARNING, or CAUTION. DANGER indicates immediate hazards that may result in severe injury or death. WARNING indicates unsafe actions or situations that may cause severe injury, death and/or major equipment or property damage. CAUTION indicates unsafe actions or situations that may cause injury, and/or minor equipment or property damage.

NOTE: This appears next to information or instructions which will help you operate and maintain your equipment the right way.



WARNING

The information and instructions included in this manual alert you to certain things you should do very carefully. If you do not, you could:

- hurt yourself or others
- hurt the next person who operates the equipment
- damage the equipment.

This manual contains essential operation and safety information and must remain with the unit at all times, within easy access of any operator.

Additional manuals are available through your dealer.

IMPORTANT!

THIS EQUIPMENT SHOULD NOT BE MODIFIED OR ADDED TO WITHOUT THE MANUFACTURER'S AUTHORIZATION.



WARNING

Altering this equipment in any manner which adversely affects the equipments operation, performance, durability or use, may cause hazardous conditions.

Direct any inquiries to:

Textron Turf Care and Specialty Products
Attn: Director of Engineering Services
P.O. Box 82409
Lincoln, NE 68501-2409 USA

SPECIFICATION INFORMATION

All information contained in this manual is the latest available at the time of printing. Textron Turf Care and Specialty Products reserves the right to make changes at any time without notice.

Whenever a name brand product is specified, an equivalent product may be used unless stated otherwise.

CHANGE OF OWNERSHIP OR ADDRESS

Textron Turf Care and Specialty Products makes every effort to keep owners informed of all safety related information. Therefore, changes in ownership and/or address should be reported to the manufacturer.

Your dealer has REGISTRATION CHANGE FORMS which will be filled out and filed by the dealer for his records, and a copy will be sent to the manufacturer.

DEALER INFORMATION

For your nearest dealer location write to:

Textron Turf Care and Specialty Products
Attn: Sales Coordinator
P.O. Box 82409
Lincoln, NE 68501-2409 USA

In the USA and Canada call 1-800-228-4444 (dealer information only).

TABLE OF CONTENTS

2— Identification Numbers	1
2.1— Vehicle Model and Serial Numbers	1
2.2— Engine Identification Numbers	1
3— Service Parts and Support Material	1
4— Specifications	2
5— Controls	3
5.1— Auxiliary Transmission	3
5.2— Power Take Off Accessory	3
5.3— Power Take Off Operating Instructions	4
6— Hydraulic System	4
6.1— Hydraulic Lift System	5
7— Maintenance	7
7.1— Maintenance Guide	7
7.2— Differential	8
7.3— Drive Transmission	8
7.4— Engine Maintenance	8
7.5— Engine Access	8
7.6— Air Cleaner	9
7.7— Lubricating Pedal Bushings	10
7.8— Engine Oil	10
7.9— Lubrication Recommendations	10
8— Lubrication Chart	11
9— Towing	12
9.1— Towing a Trailer	12
9.2— Towing the Vehicle	12
10- Battery	12
10.1— Alternator	12
10.2— Fuses	12
10.3— Jump Starting Battery	13
11- Jacking the Vehicle	13
12- Tires	14
12.1— Tire Removal (4 Wheel Front and Rear)	14
12.2— Front Tire Removal (3—Wheel)	14
12.3— Tire Pressure	15
12.4— Tire Replacement	15
13- Accessories and Modifications	16
13.1— Seat Belt	16
13.2— Windshield Wiper Motor Switch	16
13.3— ROPS	16
13.4— Speedometer/Odometer	16
14- Extended Storage	16
14.1— Touch—up Paint	16

15- Parts Section	17
15.1— Main Frame and Platform Frame (3 Wheel)	18
15.2— Main Frame and Platform Frame (4 Wheel)	20
15.3— Steering Components (3 Wheel)	22
15.4— Steering Components (3 Wheel)	24
15.4— Front Fork (3 Wheel)	26
15.5— Front Hub and Axle (3 Wheel)	28
15.6— Front Axle (4 Wheel)	30
15.7— Rear Brakes	32
15.8— Front Brakes (4 Wheel)	34
15.9— Master Cylinder	36
15.10— Hydraulic Brakes (3 Wheel)	38
15.11— Hydraulic Brakes (4 Wheel)	40
15.12— Parking Brake	42
15.13— Front Panel and Dash	44
15.14— Engine Cover	46
15.15— Seat	48
15.16— Air Induction Components	50
15.17— Polyethylene Box and Frame	52
15.17— Differential	54
15.18— Suspension	58
15.19— Drive Shaft	59
15.20— Fuel Tank	60
15.21— Fender	61
15.22— Engine	62
15.23— Clutch	64
15.24— Drive Transmission	66
15.25— Auxiliary Transmission	70
15.26— Shifter Linkage	72
15.28— Alternator	76
15.29— Alternator Mounting	78
15.30— Throttle Mounting	80
15.31— Exhaust	82
15.32— Hydraulic Lift	84
15.33— Battery Box	86
15.34— Tires	87
15.35— Miscellaneous	88
15.36— Switches and Gauges	90
15.37— Remote Hydraulics	92
15.38— Control Cables	94
15.39— Drag Mat and Spark Arrestor	95
15.40— Cab Set (4 Wheel) and (3 Wheel)	96
15.41— Steel Door Set	100
15.42— Cloth Door Set	102
15.43— Turn Signal	104
15.44— Top Dresser 1500	106
15.45— Heavy Duty Power Take Off	116
15.46— Power Take Off Gearbox	118
15.47— Speedometer	119
15.48— Vicon Spreader	120
15.49— Quick Aerator Set	124
15.50— Dome Light and Mirror	126
15.51— Front Bumper	127

2—— IDENTIFICATION NUMBERS

2.1 VEHICLE MODEL & SERIAL NUMBERS

THE FOLLOWING IDENTIFICATION NUMBERS MUST APPEAR ON ALL CORRESPONDENCE CONCERNING THIS VEHICLE.

The model number and serial number are printed on the Nameplate / Identification Decal attached to the upper left portion of kick panel.

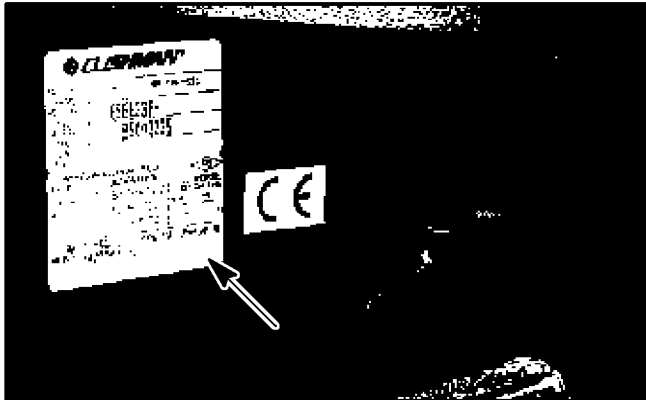


Figure 1

Nameplate / Identification Decal

The serial number and model number are also stamped on the RIGHT front frame member.

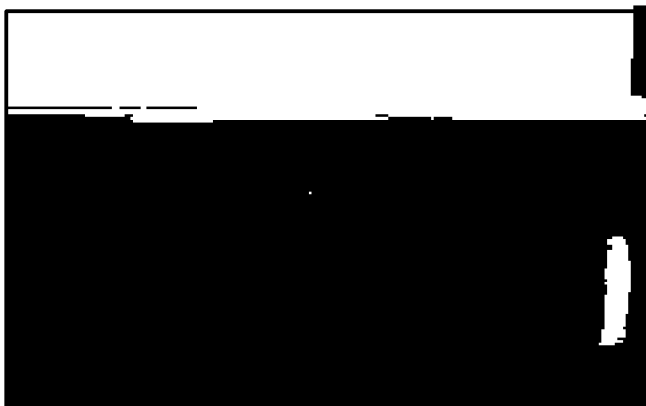


Figure 2

Serial Number And Model Number

2.2— ENGINE IDENTIFICATION NUMBERS

Your Cushman Classic Turf-Truckster is equipped with a Kohler 18 H.P. engine. The Kohler 18 H.P. engine serial number is located on the lower left (facing engine) side of the engine.



Figure 3

Kohler Engine Serial Number

3—— SERVICE PARTS AND SUPPORT MATERIAL

Description	Part Number
Filter, engine oil	842502
Filter, engine air	842510
Filter, hydraulic oil	522200
Filter, fuel	842504
Fuse, 20 amp	826000
Pump & alternator belt	841027
Spark plug	842514
Service manual, Transmission & Differential ..	826767
Operator's manual	2701375
Touch up paint, Ransomes Green	
16 oz. (.5L) spray	838140
1 qt. (.95L) can	838141
Black, 16 oz. (.5L) spray	814294

4 SPECIFICATIONS

4 SPECIFICATIONS

(subject to change without notice)

Engine Kohler Command, 18hp
V-twin, air-cooled gasoline engine
18hp @ 3600 RPM
Model No. CH18S
Specification Number PS-62534
Bore 3.03" (77mm)
Stroke 2.64" (67mm)
Displacement 38.1 cu. in. (624 cm³)
Compression Ratio 8.5:1
Maximum Torque 30 ft. lbs. @ 2500 RPM (41 N·m)
Spark Plug Gap040 (1.02mm)
Idle Speed 900-1100 RPM
(See engine manual for additional specifications)

Gear Ratios

High Gear 1:1
Second Gear 1.6:1
Low Gear 2.6:1
Reverse Gear 3.5:1
Differential: High Range 10.25:1
Low Range 35.70:1

Speed Engine at 3600 rpm

1st Gear
Low Range 2.2 mph (3.5km/h)
High Range 6.9 mph (11.1km/h)
2nd Gear
Low Range 3.4 mph (5.5km/h)
High Range 11 mph (17.7km/h)
High Gear
Low Range 5.6 mph (9km/h)
High Range 18 mph (29km/h)

Capacities

Rated Capacity 2000 lbs (907kg)
Includes 200 lbs (907kg) each
for Box, Operator, and Passenger
Fuel Tank 6.5 gallons (24.6 L)
Transmission .. 32 ounces (0.9 L) with P.T.O. unit
w/o PTO unit 1.5 Pints (0.7 L)
Differential75 Pints (.35 L)
Auxiliary Transmission 1 Pint (.5 L)
Hydraulic System 112 ounces (3.34 L)
Crankcase:
Oil Capacity w/Filter 2 quarts (1.9L)

Dimensions

Ground Clearance (3 Wheel) 5" (127mm)
Ground Clearance (4 Wheel) 6.6" (168mm)
Overall Height 48" (1.2m)
Overall Length (3 Wheel) 101" (2.6m)
Overall Length (4 Wheel) 109" (2.8m)
Overall Width 64" (1.6m)
Inside Clearance Circle (3 Wheel) ... 28" (711mm)
Outside Clearance Circle (3 Wheel) ... 17" (5.2m)
Inside Clearance Circle (4 Wheel) 66" (1.7m)
Outside Clearance Circle (4 Wheel) 22.25' (6.8m)
Wheelbase (3 Wheel) 78" (2m)
Wheelbase (4 Wheel) 84" (2.1m)
Rear Wheel Tread (3 Wheel) 46" (1.2m)
Wheel Tread
Front (4 Wheel) 40" (1m)
Rear (4 Wheel) 46" (1.2m)
Weight (3 Wheel) 1066 lbs (484kg)
Weight (4 Wheel) 1194 lbs (542kg)

Battery

Volts 12
BCI Group Size 24
Cold Cranking Amps Minimum 420
Reserve Capacity Minutes Minimum 70
Ground Terminal Polarity NEGATIVE

Brake Fluid

Use type DOT 3

Fuel

Gasoline Engines Unleaded gasoline
(87 Octane or higher)

Lubrication Recommendations

Transmission Oil SAE EP 80-90 Gear Lube
Differential Oil SAE EP 80-90 Gear Lube
Pressure Gun Grease Lithium Base
Hydraulic Lift System SAE 20W Grade
CC or SF Engine Oil

Sound Level

Pressure level dB(A) 83 LpA
Sound power level dB(A) 97.5 LWA

5 CONTROLS

5.1 AUXILIARY TRANSMISSION

The auxiliary transmission has a high and low operating range, as well as a neutral position.

Shift the auxiliary transmission **ONLY** when the vehicle is stopped. Pull the control handle all the way **UP** to operate in the high range, push it all the way **DOWN** to operate in the low range. Set the control to the middle detent for neutral.

The auxiliary transmission control is located on the control panel to the left of the operator's seat.

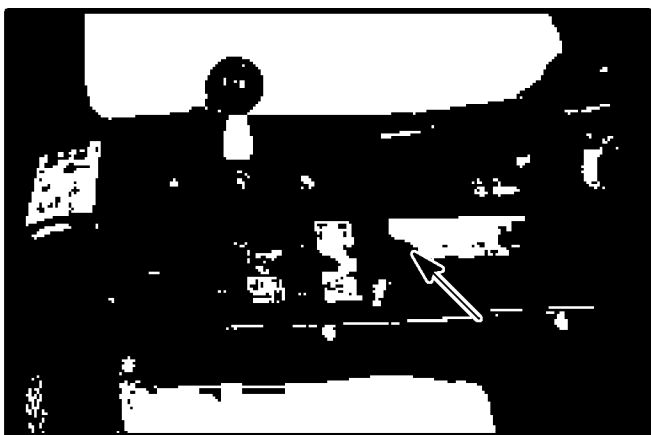
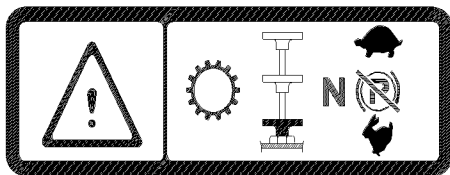


Figure 4

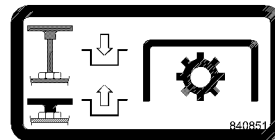


WARNING

The parking brake becomes ineffective when the auxiliary transmission is in NEUTRAL. If the vehicle is being held on a slope by the parking brake, shifting the auxiliary transmission can allow the vehicle to roll away.

5.2 POWER TAKE OFF ACCESSORY

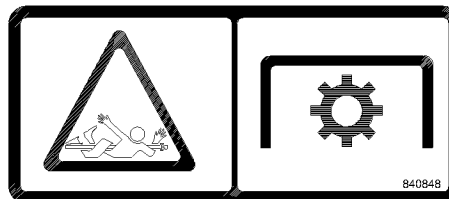
The PTO takes power from the transmission and supplies it to a splined shaft at the rear of the vehicle for easy hook-up to equipment.



WARNING

When an attachment is not connected to the PTO shaft, disengage drive to the PTO by pushing control down.

PTO includes a spring loaded PTO cover. This cover must remain on the vehicle and be used.



WARNING

An uncovered rotating spline can catch clothing and result in serious injury or death.

The control handle is located on the control panel to the left of the operator's seat.

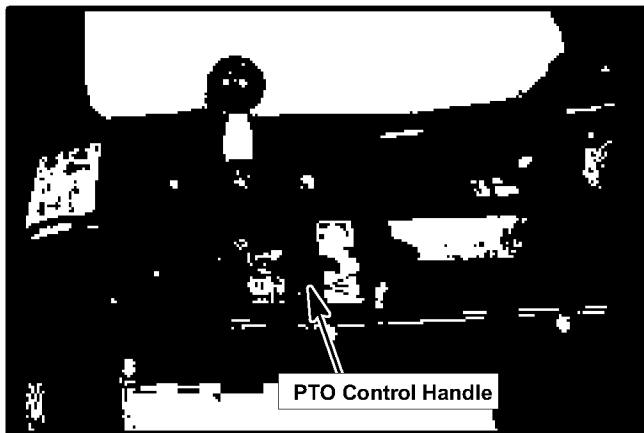


Figure 5

PULL UP to engage. – PUSH DOWN to disengage.

6 HYDRAULIC SYSTEM

5.3 POWER TAKE OFF OPERATING INSTRUCTIONS

NOTE: To engage PTO **ALWAYS** stop vehicle and push clutch pedal in; **THEN** pull PTO control knob.

For Use While Vehicle Is Moving

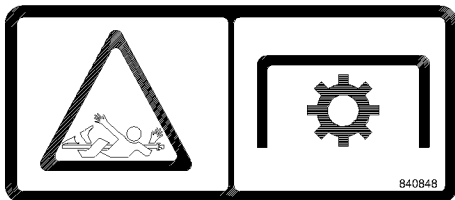
1. Refer to the PTO–RPM / Vehicle Speed decal to select the proper PTO and ground speed combination for the accessory equipment being used.
2. Put transmission in desired gear, engage clutch and depress foot throttle.

NOTE: Remove your foot from the throttle pedal to allow the engine to return to idle speed.

The PTO may be stopped momentarily by pushing the clutch pedal in.

For Use When The Vehicle Is Stationary

1. Set (engage) the parking brake.
2. Put transmission in neutral (out of gear) and engage the clutch.
3. Push down on foot throttle pedal.
4. Raise the hand throttle control lever to desired engine RPM



WARNING

If you do not want the vehicle to move, **ALWAYS** make sure the transmission is out of gear when the clutch pedal is released to activate the PTO shaft.

ALWAYS disengage the PTO before attaching any equipment to the PTO shaft. **ALWAYS** remain clear of the PTO shaft and all moving parts.

NEVER attempt to drive the vehicle with the engine speed increased by the hand throttle. The hand throttle also controls the foot throttle, so the foot throttle pedal cannot be used to reduce engine and vehicle speed.

FAILURE to obey this warning may result in you, the operator, losing vehicle control.

6 HYDRAULIC SYSTEM



WARNING

Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious injury.

After assembly of hydraulic system and before starting vehicle engine to apply pressure to system, make sure connections are tight, hoses and fittings are not damaged.

After applying pressure to system, use a piece of cardboard or wood, not your hands, to check for leaks.

If system requires repair, make sure pressure is relieved before disconnecting hoses.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

It is recommended the hydraulic system fluid level be checked every 100 hours of operation.

Normally the system should not require additional fluid be added unless a leak develops.

NOTE: To avoid damage to the hydraulic system, repair leaks and refill system immediately.

If hydraulic oil is needed use: SAE 20W Grade
CC or SF Engine Oil

NOTE: Use correct type of fluid. **DO NOT** substitute any other type of fluid. **DO NOT** overfill the hydraulic system. Severe damage may result. **ALWAYS** reinstall the dipstick/breather plug.

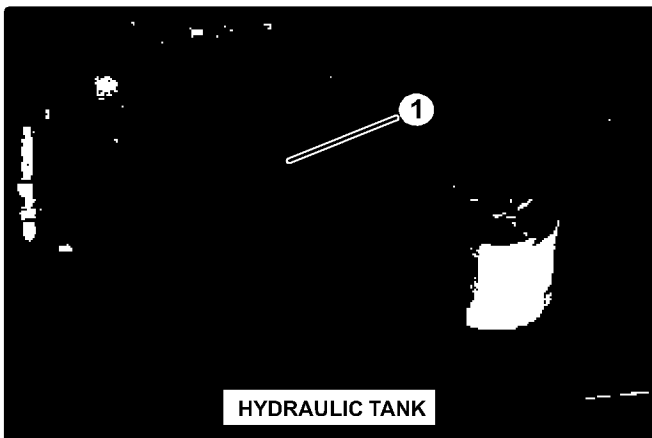
Change the hydraulic system filter and fluid in the tank every 600 hours.

IMPORTANT!

USE THE FOLLOWING INSTRUCTIONS FOR CHECKING AND/OR REFILLING THE HYDRAULIC SYSTEM.

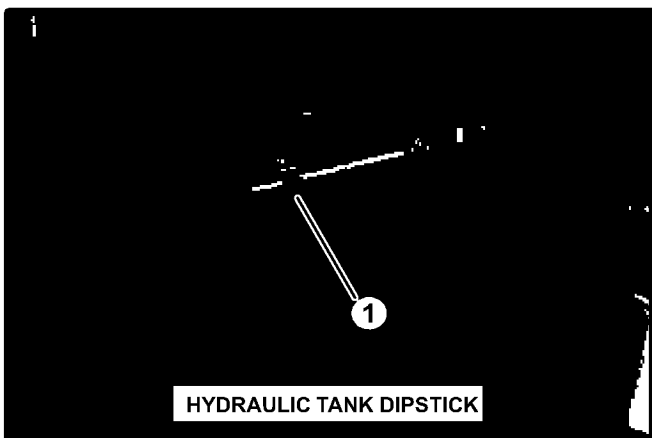
Refilling Instructions

1. Place vehicle on level surface.
2. Fully lower the accessory attachment. Stop the vehicle engine.
3. Remove the left side panel located under the control console.
4. Remove the dipstick/breather plug from the top of the tank.



1. Dipstick / Breather

5. Wipe the dipstick, then place in tank with the threaded flange resting on the tank (do not screw in). Fluid should show on the knurled portion of the dipstick. Add fluid as required.
6. Screw the dipstick/breather plug securely in place.



1. Knurled Portion Of Dipstick

NOTE: If a leak in the hydraulic system has been repaired, start the engine, raise and lower the accessory attachment several times. Repeat step 5 and 6.

7. Reinstall vehicle side panel.

6.1 ————— HYDRAULIC LIFT SYSTEM

The power hydraulic lift system is of the “live” power type, i.e.: The hydraulic pump operates whenever the engine is running.

The hydraulic lift control lever is located on the vertical panel to the left of the operator seat.

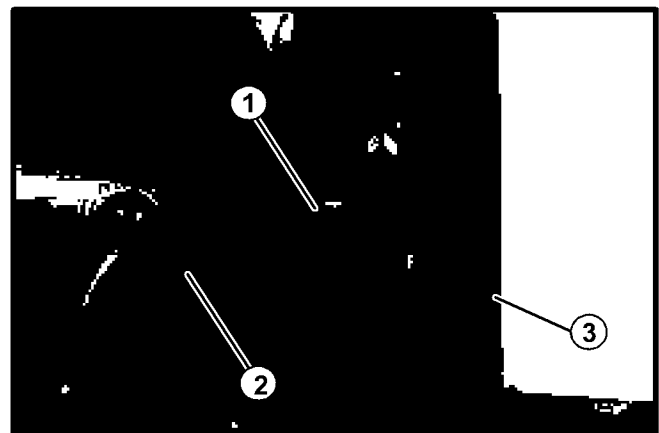
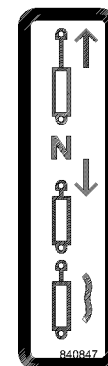


Figure 8

1. Lift Control Lever
2. Latch Button
3. Latch Cam



Raise the lever to extend the hydraulic cylinder ram. Push the lever down to retract the hydraulic cylinder ram.

Depress the latch button, located at the end of the lever, push the lever down and release the button to latch it in the float position.

The hydraulic system (if equipped with optional remote hydraulics) has a remote selector valve located at the front of the control panel, to operate accessories.

6 HYDRAULIC SYSTEM

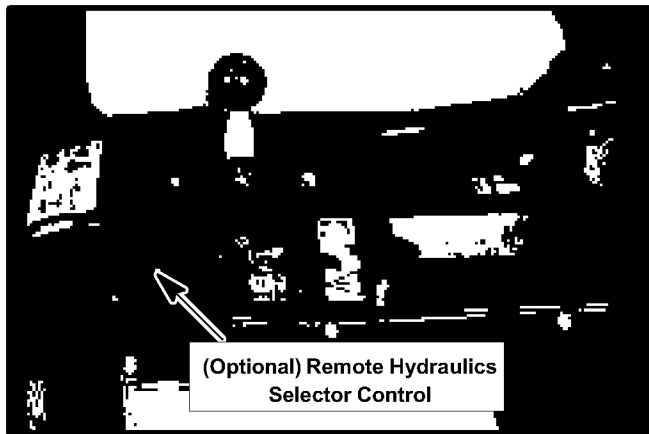
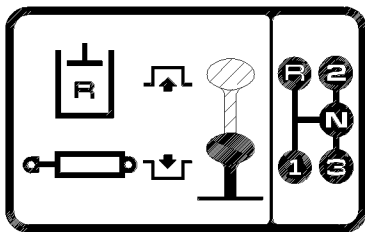


Figure 9

1. Selector Control Knob



1. “**DOWN**” position is for standard vehicle hydraulic system use.
2. “**UP**” position is for remote hydraulic system use.
3. Refer to operation decal on engine cover.

When the remote hydraulics are **NOT** connected to equipment, the male and female quick connectors **MUST BE** connected to form a closed loop as shown.



WARNING

The vehicle is equipped with a hydraulic system to operate equipment. During operation, **ALWAYS** stay clear of any moving parts to prevent serious injury.

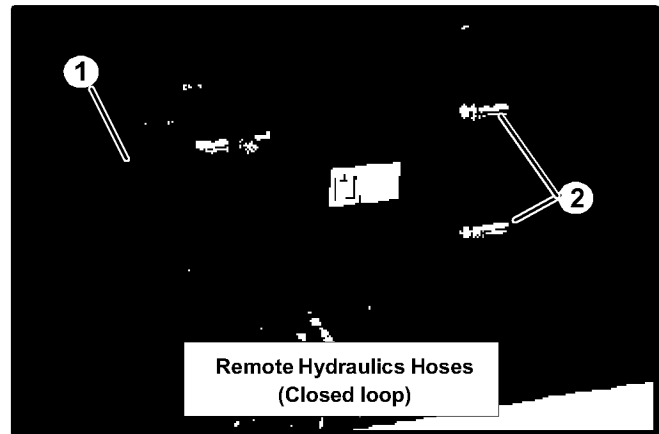
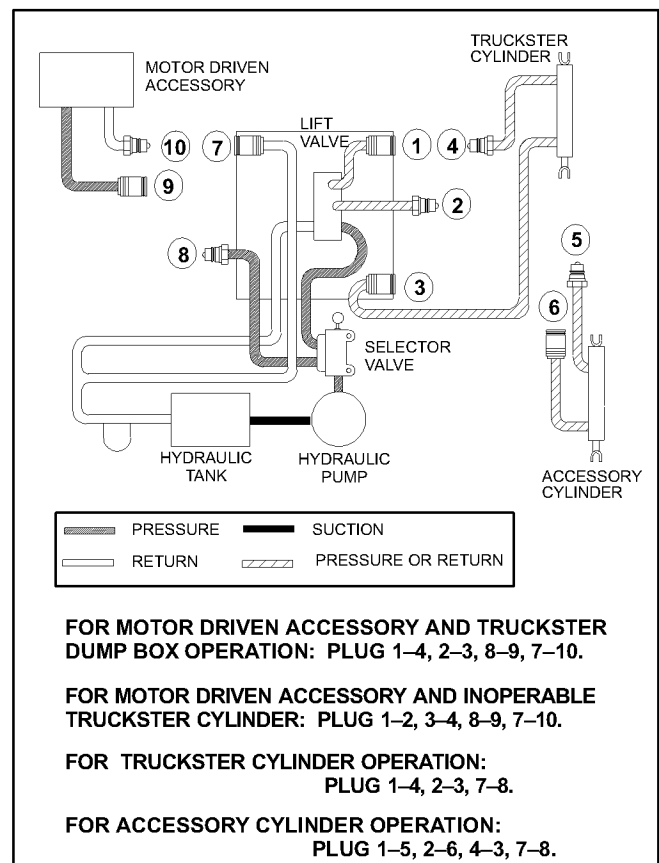


Figure 10

1. Motor Driven Accessory Hose
2. Cylinder Connections

NOTE: It is **EXTREMELY IMPORTANT** that the two hose quick connectors form a closed loop as shown. This will keep dirt from entering the hydraulic system, and prevent the hydraulic system from overheating. Overheating will lead to hydraulic system failure if the remote selector valve knob is accidentally pulled up with accessory removed.



7 MAINTENANCE



WARNING

When replacement parts are required, use genuine Cushman or Kohler parts or parts with equivalent characteristics including type, strength and material. Failure to do so may result in product malfunction and possible injury to the operator and/or bystanders.

If an accessory such as a box set is raised to work on the vehicle and/or the hydraulic lift system, **ALWAYS** use a stop block to prevent the accessory from falling while working below it.

Never attempt to perform service or maintenance functions on this vehicle if you are **UNTRAINED** or **UNAUTHORIZED**. Improper maintenance can cause hazardous conditions. See your authorized CUSHMAN dealer for necessary maintenance and service.

When it is necessary to raise the vehicle for any repair or service, use jackstands to provide adequate support. **DO NOT** rely on hydraulic or mechanical jacks.

Always replace any warning decal that becomes hard to read.

To reduce risk of fire, always keep the engine free of excessive grease. If fuel system leakage is detected, repair the leak immediately. Fuel is flammable and explosive under certain conditions. Always stop engine and do not allow open flames or sparks when performing any maintenance function involving fuel.

7.1 MAINTENANCE GUIDE

The following maintenance charts have been compiled as a general guideline for service intervals, based on hours of operation.

FIRST 5 HOURS

Change engine oil

DAILY

Check engine oil level
Check fuel level
Check engine for loose parts, damage and leaks
Check for engine noise and vibration
Check tire pressure

EVERY 25 HOURS

Wash and re-oil precleaner
(Severe conditions may require more frequent service).

EVERY 50 HOURS

Perform previous services
Tighten any loose engine parts
Check engine idle speed

EVERY 75 HOURS

Perform previous services

EVERY 100 HOURS

Perform previous services
Change engine oil*
Change fuel filter
Check air cleaner paper element and replace if needed
Reset gap or replace spark plugs as necessary
Remove cooling shrouds and clean cooling fins
Lubricate chassis (see lubrication chart)
Check differential oil level **
Check transmission oil level
Check hydraulic tank fluid level
Check hydraulic brake fluid (BF)
Check brake adjustment
Check clutch adjustment

EVERY 200 HOURS

Perform previous services
Change oil filter *

EVERY 600 HOURS OR YEARLY

Perform previous services
Replace hydraulic system filter
Change hydraulic system oil, tank only
Clean battery and terminals
Repack front wheel bearings
Repack rear wheel bearings
Check starter motor brushes
Check brake linings
Change differential oil
Change transmission oil
Check alternator
Check fuel hoses, clamps

See Specifications for recommended type of lubricant and brake fluid (BF).

* Depending on operating conditions, the engine oil and oil filter may need more frequent replacement to maintain engine performance and help avoid unnecessary repairs.

** The differential oil must be changed after the first 100 hours.

7 MAINTENANCE

7.2 DIFFERENTIAL

The differential filler plug and drain plug are shown. Oil should always be up to the level of the filler hole.

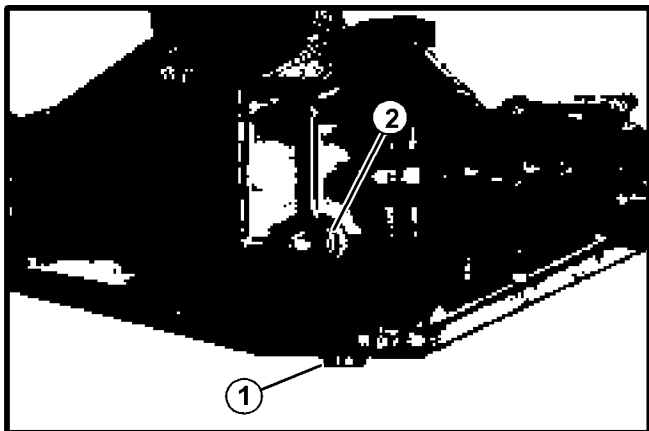


Figure 11
1. Drain Plug
2. Filler Plug
IMPORTANT!

DIFFERENTIAL LUBRICANT SHOULD BE CHANGED ACCORDING TO THE MAINTENANCE GUIDE SCHEDULE TO AVOID EXPENSIVE REPAIR.

7.3 DRIVE TRANSMISSION

Maintaining proper lubrication level in the transmission is very important to the life of the gears and bearings.

Check lubricant level and change lubricant according to maintenance guide schedule.

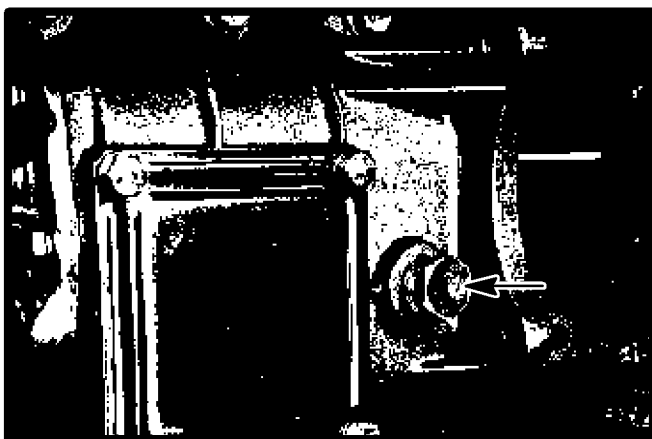


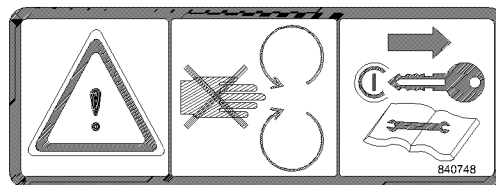
Figure 12
Transmission Filler Plug
(Drain plug left side – not shown)

7.4 ENGINE MAINTENANCE

The following maintenance information covers basic engine service only. For more elaborate service and necessary repairs, we recommend the authorized Kohler dealer nearest you.

Keep your engine clean. If dirt has accumulated on the engine, it should be washed with a non-flammable solvent or strong detergent. When washing becomes necessary, it can be carried out simultaneously with servicing and will maintain cool and efficient operation. In order to maintain reliable service from your engine, a regular check-up schedule should be carried out. Proper maintenance will prolong the engine's life and avoid premature overhaul.

7.5 ENGINE ACCESS



WARNING

Keep hands out of all moving parts.

Shut off engine and remove key before servicing vehicle.

The seat cushion may be raised for minor engine servicing.

For major repair or air cleaner servicing, the engine cover may be removed by loosening the latch, pivoting the engine cover forward and lifting upward.

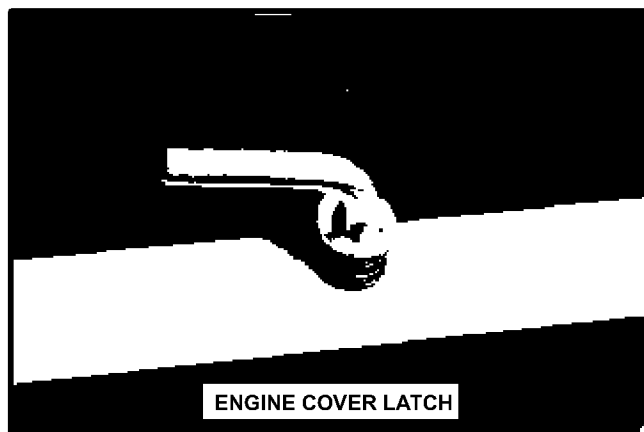


Figure 13



WARNING

The vehicle seat is a machinery guard. To avoid injury, use extreme caution and **DO NOT** place hands, or clothing near moving parts (belts, pulleys, etc.).

Always stop engine before checking the following areas.

Never remove or install the engine cover while the engine is running. The engine cover is a machinery guard and its removal exposes you to moving parts.

When replacing the cover, make sure the retaining tabs, located at the front corners of the engine cover, are inserted into the slots in the floorboard.

Tighten the retaining latch.

Failure to follow instructions will allow the seat and engine cover assembly to move out of proper position.

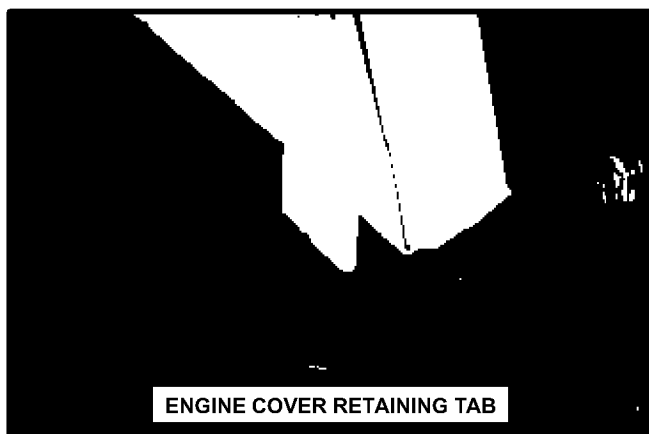


Figure 14

7.6 AIR CLEANER

The Kohler engine is equipped with a replaceable, high density paper air cleaner element. It is also equipped with an oiled-foam precleaner which surrounds the paper element.

Check air cleaner frequently for buildup of dirt and debris. This is extremely important when operating in dusty or dirty conditions. Also check for loose or damaged components.

NOTE: Operating the engine with loose or damaged air cleaner components could allow unfiltered air into the engine, causing premature wear and engine failure.

Servicing Precleaner

NOTE: Wash and re-oil the precleaner after every 25 hours of operation (more often under dusty or dirty conditions).

1. Unlock the latches located on either side of the air cleaner cover and remove the cover.
2. Remove the precleaner from the paper element.
3. Wash the precleaner in warm water with detergent. Rinse the precleaner thoroughly until all traces of detergent are eliminated. Squeeze out all excess water (do not wring). Allow the precleaner to air dry.
4. Saturate the precleaner with new engine oil. Squeeze out all excess oil.
5. Reinstall the precleaner over the paper element.
6. Reinstall the air cleaner cover. Secure cover with the two latches.
7. A new precleaner can be obtained by contacting your Kohler dealer.

Servicing Paper Element

NOTE: Check the paper element after every 100 hours of operation (more often under extremely dusty or dirty conditions). Replace the element as necessary.

1. Unhook the latches located on either side of the air cleaner cover and remove the cover. Remove the element cover nut, washer, element cover and paper element with precleaner.
2. Remove the precleaner from the paper element.
3. Do not wash the paper element or use pressurized air, as this will damage the element. Replace a dirty, bent or damaged element. Handle new elements carefully; do not use if the sealing surfaces are bent or damaged.
4. When servicing the air cleaner, check the air cleaner base. Make sure it is secured and not bent or damaged. Also check the element cover for damage or improper fit. Replace all damaged air cleaner components.
5. Reinstall the paper element with precleaner, element cover, washer, element cover nut and air cleaner cover. Secure cover with the two latches.

7 MAINTENANCE

Cleaning Air Intake/Cooling Areas

To ensure proper cooling, make sure the grass screen, cooling fins, and other external surfaces of the engine are kept clean at all times.

After every 100 hours of operation (more often under extremely dusty, dirty conditions), remove the blower housing and other cooling shrouds. Clean the cooling fins and external surfaces as necessary. Make sure the cooling shrouds are reinstalled.

NOTE: Operating the engine with a blocked grass screen, dirty or plugged cooling fins, and/or cooling shrouds removed, will cause engine damage due to overheating.

7.7— LUBRICATING PEDAL BUSHINGS

The pedal pivot lubrication fittings are located just below the holes in the floorboard, near the pedals.

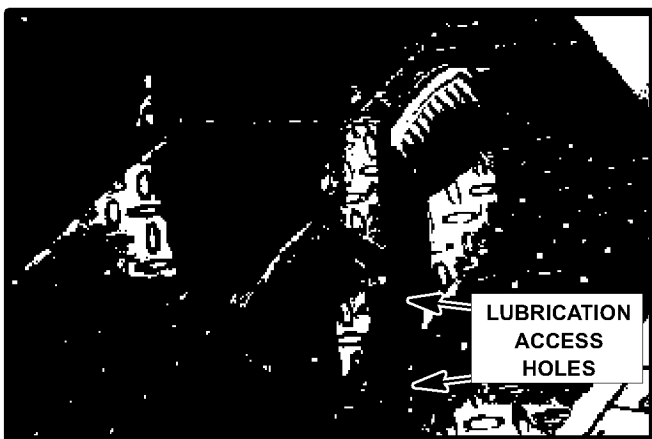


Figure 15

7.8— ENGINE OIL

Use only oils recommended for service class SF/SG (as defined by API).

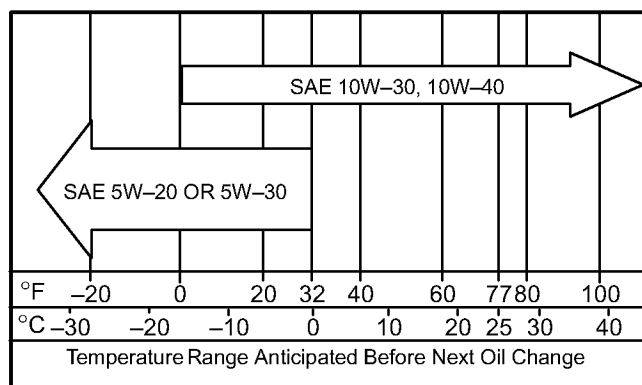


CAUTION

On new engines, oil *MUST BE* changed after the first 5 (five) hours of operation.

NOTE: Using oil other than the service classes listed, or oil change intervals longer than recommended could reduce engine life. Damage to engines due to improper maintenance or use of incorrect oil quality and/or viscosity is not covered by the engine warranty.

RECOMMENDED SAE VISCOSITY



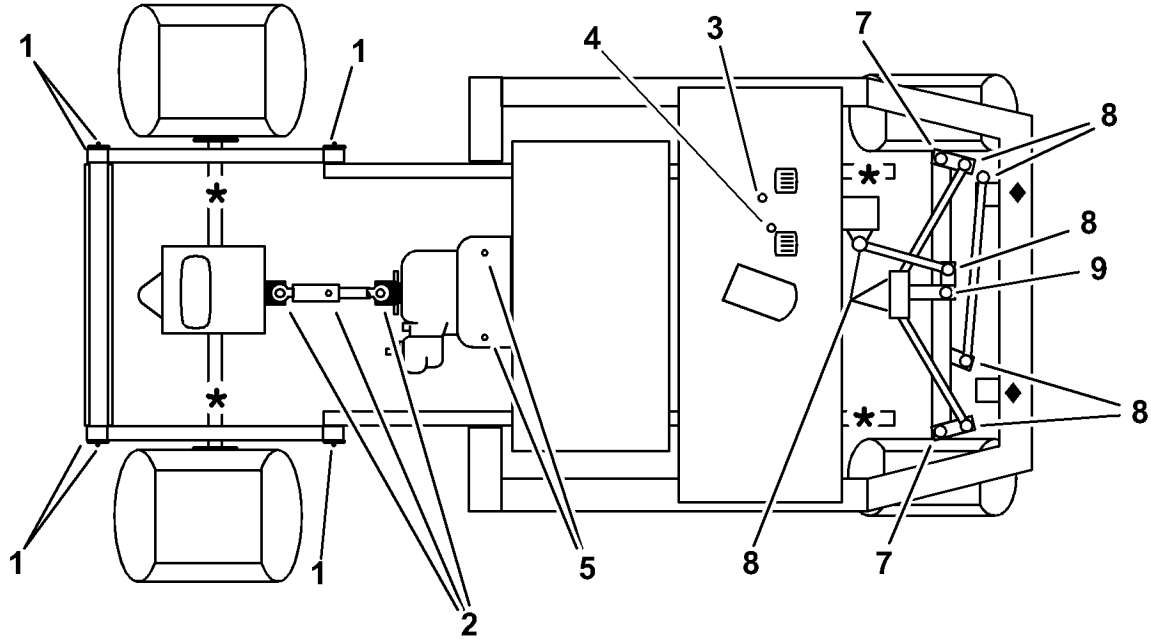
7.9— LUBRICATION RECOMMENDATIONS

Transmission Oil SAE EP 80-90 Gear Lube
Differential Oil SAE EP 80-90 Gear Lube
Pressure Gun Grease Lithium Base
Hydraulic Lift System SAE 20W Grade
CC or SF Engine Oil
Brake Fluid DOT 3

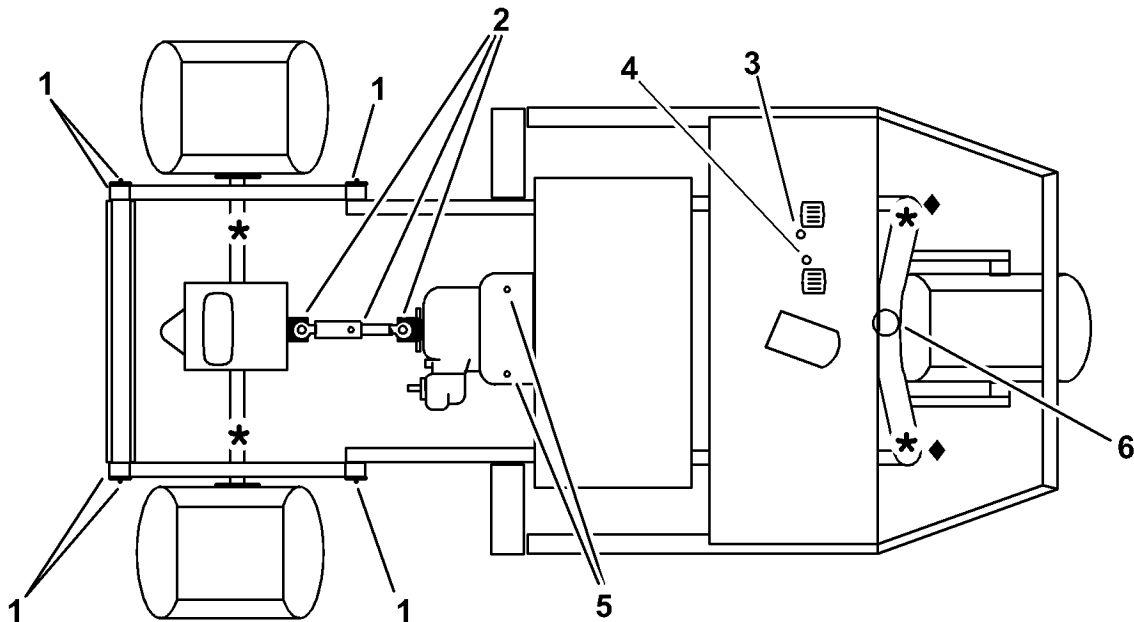
LUBRICATION CHART

Lubricate all chassis fittings with lithium base pressure gun grease every 100 hours or 1000 miles.

Ref. No.	Lubrication Area	Number Of Grease Fittings	Ref. No.	Lubrication Area	Number Of Grease Fittings
1	Rear spring shackles	6	6	Lower fork pivot bearing (3 wheel)	1
2	Drive shaft	3	7	King pin bushings (4 wheel)	2
3	Clutch bellcrank (pivot bushing)	1	8	Steering linkage (4 wheel)	8
4	Brake bellcrank (pivot bushing)	1	9	Steering pivot (4 wheel)	1
5	Clutch arm	2			



NOTE: On item 2, too much grease can damage the seals.



Jacking Locations Are Indicated By ★ – Tow Line Attachment Locations Are Indicated By ◆

9 TOWING

9 TOWING

9.1 TOWING A TRAILER

This vehicle is capable of pulling trailers and other equipment of greater weight than the vehicle itself, so caution and good judgment must be used to avoid losing control of the vehicle while braking or cornering.

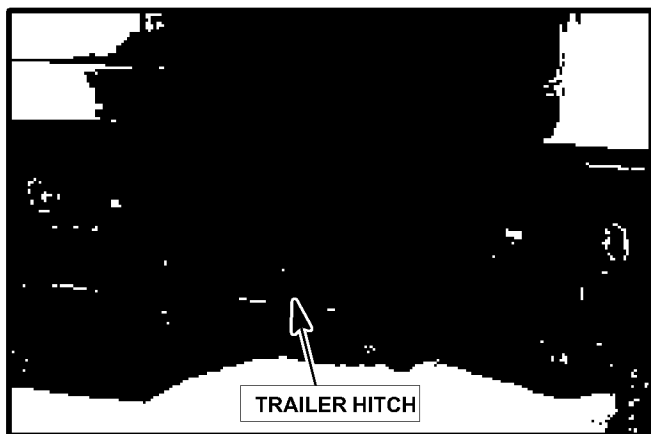


Figure 16



WARNING

NEVER pull loads which may exceed the braking capacity of the vehicle. The operator must determine if the Cushman vehicle has adequate braking capacity to stop either a loaded or unloaded vehicle and the trailer on the type(s) of surface(s) and grade(s) on which the vehicle will be operated.

Position the load on the trailer so that the tongue weight on the towing vehicle will not cause instability or effect steering control.

9.2 TOWING THE VEHICLE

MAKE SURE the drive and auxiliary transmissions are in "neutral" (out of gear).

Attach a tow line only to the front vertical frame member on either side of vehicle (tow line attaching locations are shown in the lubrication chart on the previous page).



WARNING

NEVER tow vehicle faster than 5 M.P.H. (8 km/h). Towing at excessive speed could cause either vehicle to lose steering control.

10 BATTERY



WARNING

UNTRAINED/UNAUTHORIZED persons should **NEVER** attempt to service or recharge the battery in this vehicle.

Battery electrolyte is an acidic solution and should be handled with care. If electrolyte is spilled or splashed on any part of the body, immediately flush the exposed area with liberal amounts of water and obtain medical aid immediately.

The battery in this vehicle is "low maintenance". Add distilled water as required.

NOTE: Keep top of battery clean and free of corrosion by washing with a solution of baking soda and water or ammonia and water. Rinse with clean water. Terminals with heavy corrosion should be removed and cleaned with solution. Replace terminal and tighten.

10.1 ALTERNATOR

The alternator requires no routine maintenance.

NOTE: The battery is negative ground and if connected in the opposite polarity, damage to the alternator will occur. The same applies when connecting a booster battery to the system. Battery cables must be disconnected before using a "fast charger" or damage to the alternator may result. See battery section below.

10.2 FUSES

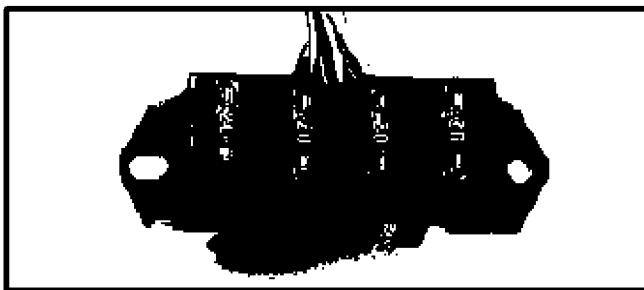


Figure 17

Four fuses are located on the kick panel just below the instrument cluster. They protect the lighting circuits and accessory circuits such as windshield wiper motor and heater/defroster blower. Remove fuses by pulling straight out.

10.3 JUMP STARTING BATTERY

**WARNING**

DO NOT allow open flames or sparks near a battery when connecting for jump starting or while recharging the battery with a charger.

Hydrogen gas is produced during the charging process and can be explosive. Provide adequate ventilation to prevent possible explosion.

Both booster battery and discharged battery should be treated carefully when using jumper cables.

Follow **exactly** the procedure outlined, being careful not to cause sparks.

1. Apply parking brake, put transmission in neutral and turn off all electrical loads.
2. Attach one end of one jumper cable to the positive terminal of the booster battery and the other end to the positive terminal of the discharged battery. **DO NOT permit vehicles to touch each other.**
3. Attach one end of remaining cable to the negative terminal of the booster battery and the other end to a good ground on the vehicle or engine **away from the discharged battery. DO NOT lean over the battery when making this connection.**
4. Reverse this sequence **exactly** when removing the jumper cables.

NOTE: This is a negative ground wiring system, reversing battery connection will damage alternator rectifier.

Booster batteries used for starting must be connected with proper polarity.

Vehicle battery cables should be disconnected before using a "Fast Charger".

11 JACKING THE VEHICLE

**WARNING**

DO NOT rely solely on hydraulic or mechanical jacks for support. Use appropriate jack stands or equivalent for supporting the vehicle. If using a hoist, raise vehicle to appropriate height and support using jack stands or equivalent support.

Never place feet, hands or any part of your body under the vehicle when raising it with a hoist.

A scissors type jack with a 1 1/2 ton (minimum) capacity, that can be lowered to 3 3/8" (86mm) height is required.

The jacking locations are shown on the chassis lubrication chart illustration). Raise the vehicle **ONLY** enough to perform maintenance required

**CAUTION**

To prevent damage to the vehicle or attached accessory, **NEVER** use a hoist to raise one corner of the vehicle. **ALWAYS** raise BOTH front or rear corners equally.

12 TIRES

12 TIRES

12.1 TIRE REMOVAL (4-WHEEL FRONT AND REAR)

1. Remove the wheel retaining nuts and remove wheel assembly from hub.
2. COMPLETELY deflate the tire and remove from the wheel.
3. Reinstall tire and wheel by reversing above sequence. Make sure valve stem is located toward the outside.
4. Tighten wheel retaining nuts to 70 to 100 ft. lbs. (95 to 140 N·m) torque.

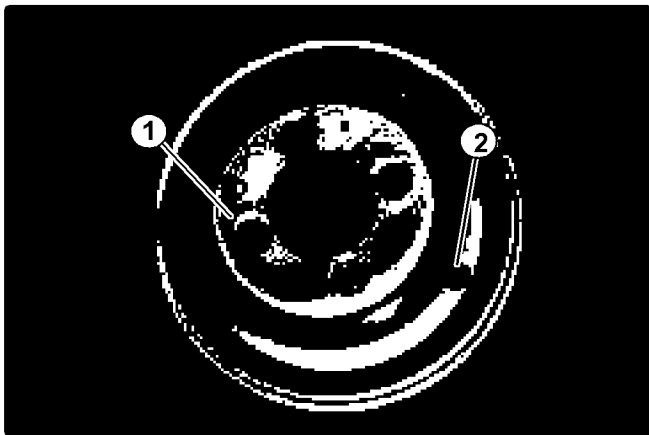


Figure 18

1. Retaining Nut
2. Valve Stem

12.2 FRONT TIRE REMOVAL (3-WHEEL)

READ THIS ENTIRE SECTION BEFORE ATTEMPTING FRONT TIRE REMOVAL.

To remove the front wheel and hub:

1. Loosen the axle nuts at both ends of the axle until the axle retaining washers will clear the “ears” of the front fork.
2. Slide the entire wheel and hub assembly from the fork and remove the four wheel retaining nuts to separate the wheel from the hub.

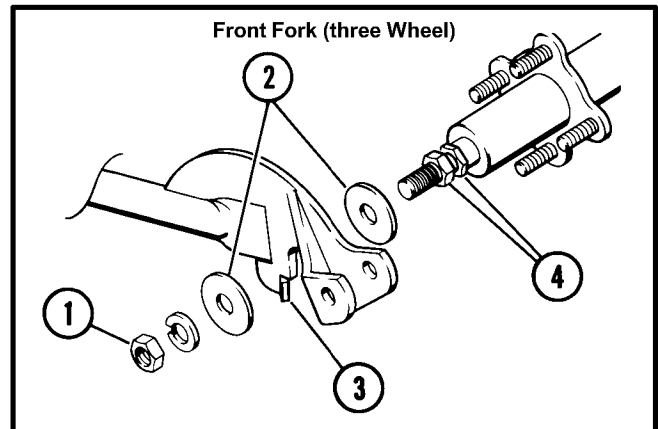


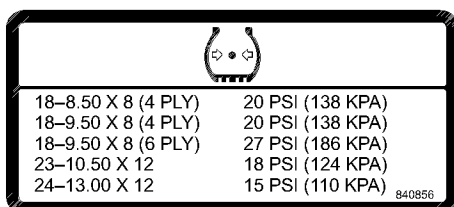
Figure 19

1. Axle Nut
2. Axle Retaining Washers
3. Fork “Ears”
4. Axle Bearing Adjusting Nuts

To reinstall the front wheel and hub:

1. Reassemble the wheel to the hub with the four wheel retaining nuts (be sure the valve stem is on the same side as the axle bearing adjusting nuts).
2. Orient the wheel and hub assembly so that the bearing adjusting nuts are on the **RIGHT** side. Slide the hub back into the fork with one axle retaining washer outside and one inside the fork on each side. Fork ears must latch over fork as shown.
3. Torque the axle nuts to 70–100 ft. lbs. (95 – 140 N·m)

12.3 TIRE PRESSURE



18-8.50 X 8 (4 PLY)	20 PSI (138 KPA)
18-9.50 X 8 (4 PLY)	20 PSI (138 KPA)
18-9.50 X 8 (6 PLY)	27 PSI (186 KPA)
23-10.50 X 12	18 PSI (124 KPA)
24-13.00 X 12	15 PSI (110 KPA)

Keep tires inflated according to the specifications corresponding to particular tire size.

Tire Size, Rating	Cold Inflation Pressure
18-8.50 x 8 (4 ply)	20 PSI (138 kPa)
18-9.50 x 8 (4 ply)	20 PSI (138 kPa)
18-9.50 x 8 (6 ply)	27 PSI (186 kPa)
23-10.50 x 12	18 PSI (124 kPa)
24-13.00 x 12	16 PSI (110 kPa)

NOTE: Air pressure needed is determined by the payload carried. Adjust pressure as required.

Lower pressure will help avoid leaving tire marks in soft turf. Higher pressures may be required for heavy loads. **NEVER** exceed the maximum pressure indicated on the tire.

Improper inflation will shorten the life of your tires considerably. Fill tires with care. Use a pressure gauge before connecting an air hose to a partly inflated tire. Due to the low air volume needed, over-inflation may be reached in a matter of two or three seconds.

12.4 TIRE REPLACEMENT

Use replacement tires equivalent to or exceeding original equipment specifications.

Your vehicle is equipped with DICO TIRES. You may call the following toll free number for warranty information.

DICO:

CUSTOMER SERVICE

1-800-682-8903

or

In USA/Canada/Mexico

Toll Number 615-463-3714

In UK Contact:

TITAN WHEEL INTERNATIONAL LTD.

Information such as: date of vehicle purchase, tire size and serial number, and load specification are required when you call these numbers.

13 ACCESSORIES

13 ACCESSORIES AND MODIFICATIONS

13.1 SEAT BELT

A seat belt is available for this vehicle. If your vehicle is so equipped and the seat belt is removed for any reason, retain the attaching hardware. Make sure the seat belt is properly reinstalled with hardware positioned as shown. If a new seat belt is installed, use the new hardware.

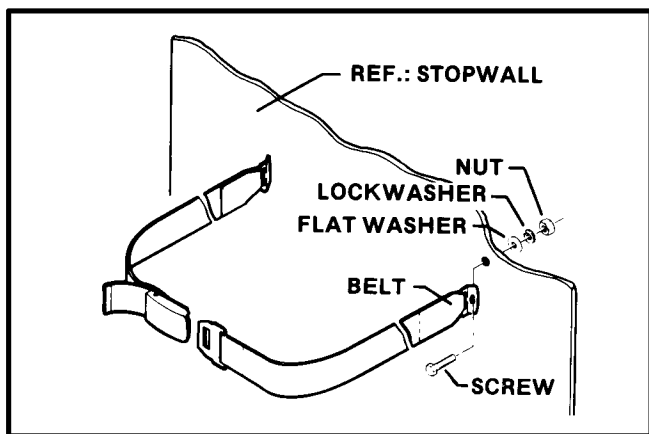


Figure 21
Seat Belt Mounting

13.2 WINDSHIELD WIPER MOTOR SWITCH

Move the switch up or down to operate the wiper motor.

To avoid windshield wiper damage:

1. Make sure the wiper blade is not obstructed (ice, etc.).
2. Use care when lifting the wiper arm.
3. **DO NOT** rotate the wiper arm manually.
4. If the wiper blade is damaged or does not clean the windshield, replace as soon as possible to avoid damage to glass.

13.3 ROPS

Roll Over Protection Structure (ROPS) is now available for Turf-Trucksters. The accessory can be ordered from your dealer, Part Number 892689.

13.4 SPEEDOMETER/ODOMETER

The speedometer indicates the vehicle speed in miles and kilometers per hour. The odometer shows the total number of miles the vehicle has traveled.

14 EXTENDED STORAGE

If the vehicle must be stored with fuel in the fuel system, **DO NOT** store the vehicle in an enclosure with open flame (Example: Furnace or water heater pilot light).



WARNING

Storing unit in an enclosed area with an open flame may result in an explosion or fire.

Perform the following steps when putting the vehicle back into operation after an extended storage period exceeding 30 days.

1. Fill the fuel tank.
2. Check engine oil level.
3. Check the engine for loose parts.
4. Start the engine and check for fuel or oil leaks.
5. Check the operation of all controls.

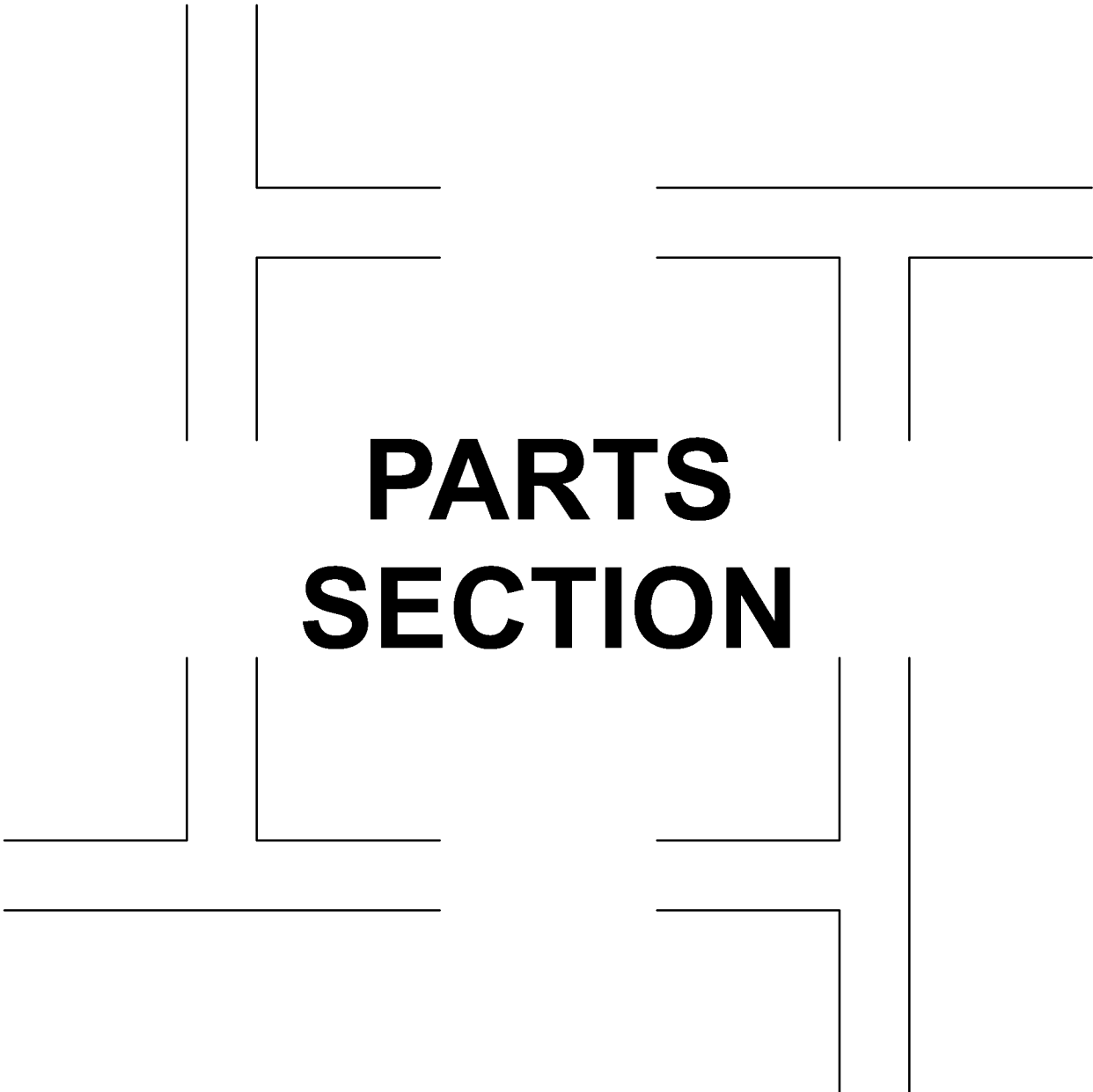
14.1 TOUCH-UP PAINT

Touch up paint, Ransomes Green

16 oz. (.5L) spray 838140

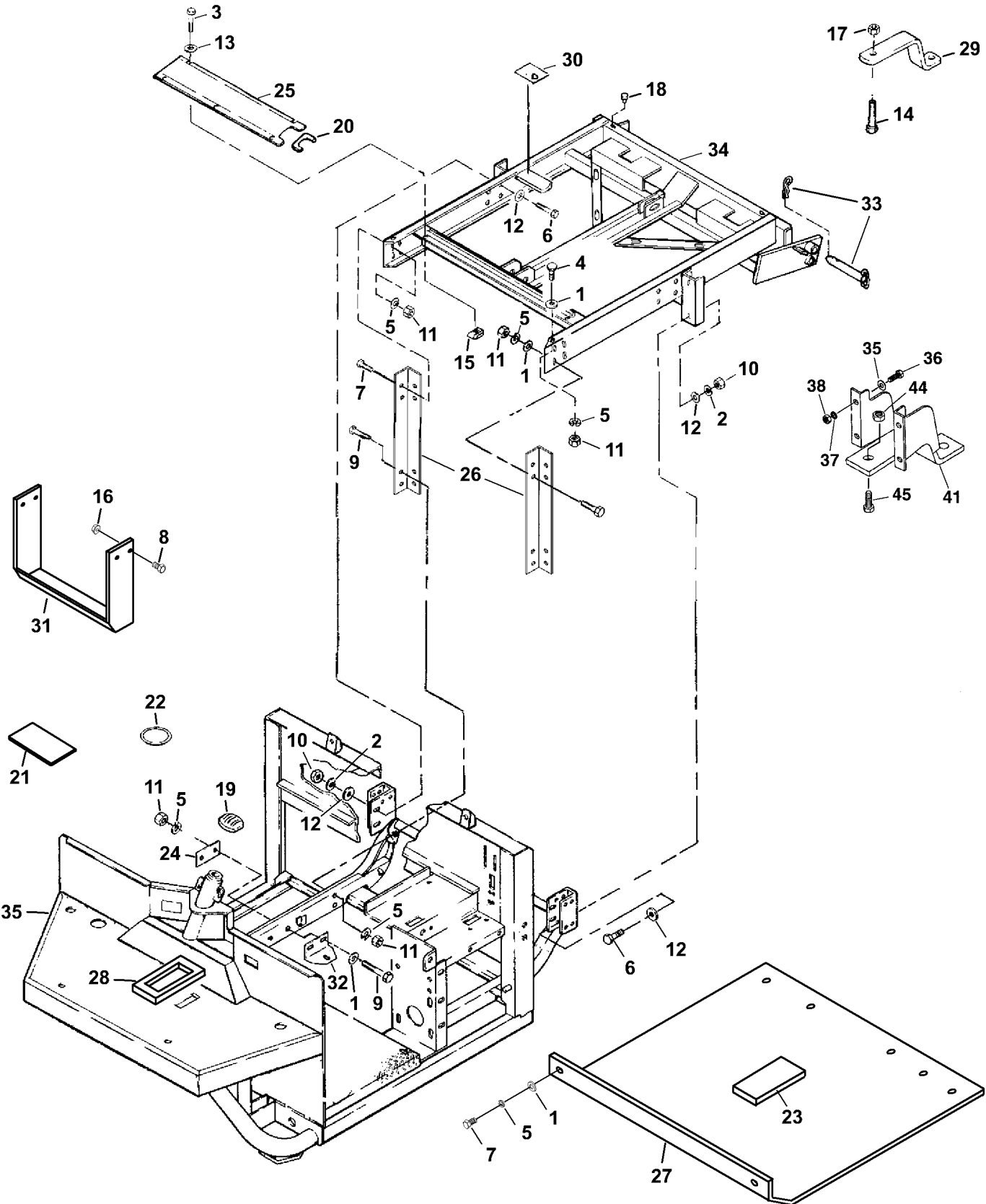
1 qt. (.95L) can 838141

Black, 16 oz. (.5L) spray 814294

A series of thin black lines forming a decorative border around the central text. The lines are arranged in a symmetrical, stepped pattern, creating a frame that is open on the top and bottom. The lines are of varying lengths and are positioned at the corners and midpoints of the page, creating a modern, architectural feel.

PARTS SECTION

15.1 MAIN FRAME AND PLATFORM FRAME (3 WHEEL)

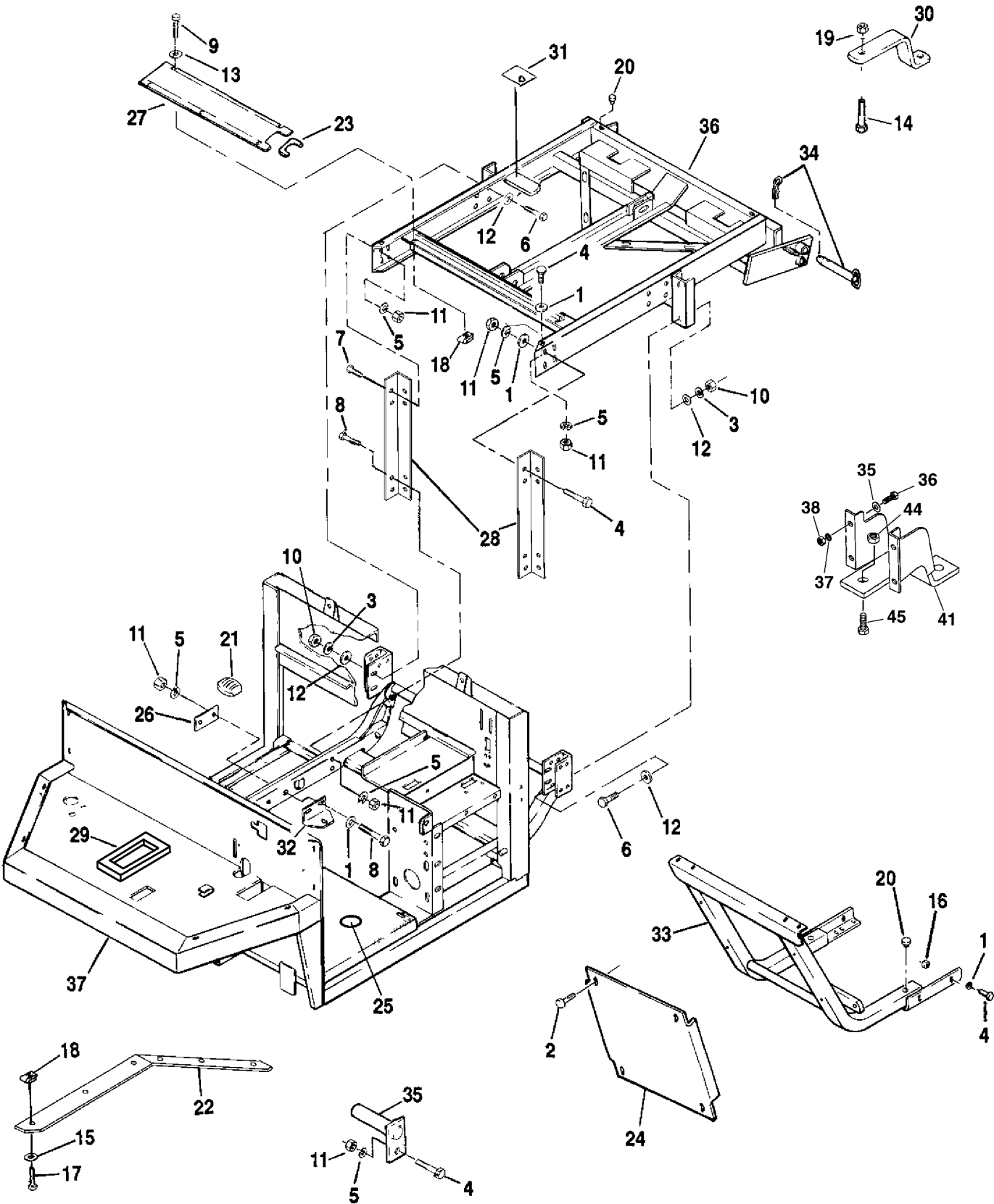


MAIN FRAME AND PLATFORM FRAME (3 WHEEL) 15.1

Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 11/32"	18	
2	120177	Lockwasher, 3/8"	16	
3	300646	Screw, 1/4–20 x 3/4"	5	
4	306322	Screw, 5/16–18 x 7/8"	4	
5	306325	Lockwasher, 5/16"	26	
6	306414	Screw, 3/8–16 x 1"	16	
7	306416	Screw, 5/16–18 x 1"	8	
8	306450	Screw, 5/16–18 x 3/4"	4	
9	306464	Screw, 5/16–18 x 2 1/2"	8	
10	306562	Nut, 3/8–16	16	
11	306932	Nut, 5/16–18	22	
12	306981	Washer, 3/8"	24	
13	308090	Washer, 1/4"	5	
14	316914	Screw, 5/8–11 x 2"	1	
15	800279	Nut, 1/4–20 speed	5	
16	800290	Nut, 5/16–18 lock	4	
17	800603	Nut, 5/8–11 lock	1	
18	810149	Bumper, rubber	2	
19	810152	Cover, pedal pad	2	
20	821893	Molding	As Req'd	
21	828577	Pad	1	
22	829101	Plug, hole	1	
23	829880	Pad	1	
24	830762	Plate	2	
25	830842	Panel	1	
26	833192	Support, platform	2	
27	833877	Pan, skid	1	
28	836389	Gasket, horn	1	
29	836663	Drawbar	1	
30	837406	Decal, warning, hitch exclusion	1	
31	838478	Guard, throttle pedal	1	
32	839902	Bracket, channel	1	
33	882971	Pin, disconnect	2	
34	889866	Frame, platform	1	
35	890054	Frame, main	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

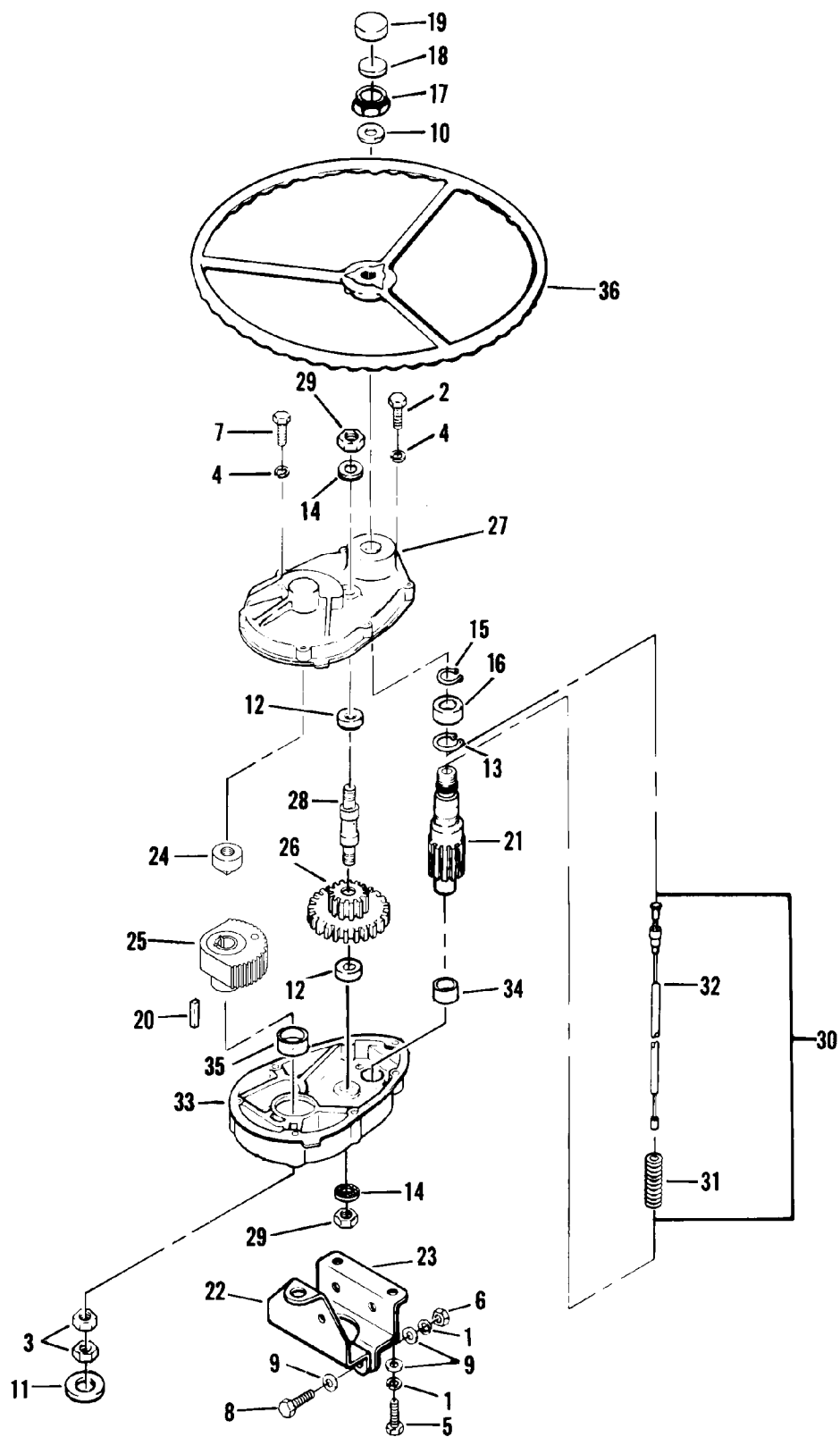
15.2 MAIN FRAME AND PLATFORM FRAME (4 WHEEL)



MAIN FRAME AND PLATFORM FRAME (4 WHEEL) 15.2

Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 11/32"	24	
2	112050	Screw, 1/4–20 x 5/8" tapping	4	
3	120177	Lockwasher, 3/8"	16	
4	306322	Screw, 5/16–18 x 7/8"	15	
5	306325	Lockwasher, 5/16"	23	
6	306414	Screw, 3/8–16 x 1"	16	
7	306416	Screw, 5/16–18 x 1"	4	
8	306464	Screw, 5/16–18 x 2 1/2"	8	
9	306487	Screw, 1/4–20 x 5/8"	5	
10	306562	Nut, 3/8–16	16	
11	306932	Nut, 5/16–18	23	
12	306981	Washer, 3/8"	16	
13	308090	Washer, 1/4"	5	
14	316914	Screw, 5/8–11 x 2"	1	
15	548175	Washer, 1/4"	12	
16	548911	Nut, 5/16–18 flangelock	10	
17	800026	Screw, 1/4–20 x 3/4" P.T.H.	12	
18	800279	Nut, 1/4–20 speed	17	
19	800603	Nut, 5/8–11 lock	1	
20	810149	Bumper, rubber	4	
21	810152	Cover, pedal	2	
22	821002	Flap	2	
23	821893	Molding	As Req'd	
24	828609	Shield, modesty	1	
25	829101	Plug, hole	1	
26	830762	Plate	2	
27	830842	Panel	1	
28	833192	Support, platform	2	
29	836389	Gasket, horn	1	
30	836663	Drawbar	1	
31	837406	Decal, warning, hitch exclusion	1	
32	839902	Bracket, channel	2	
33	885476	Frame, axle	1	
34	882971	Pin, disconnect	2	
35	888599	Shaft	1	
36	889866	Frame, platform	1	
37	892446	Frame, 4 wheel main	1	

15.3 STEERING COMPONENTS (3 WHEEL)



STEERING COMPONENTS (3 WHEEL) 15.3

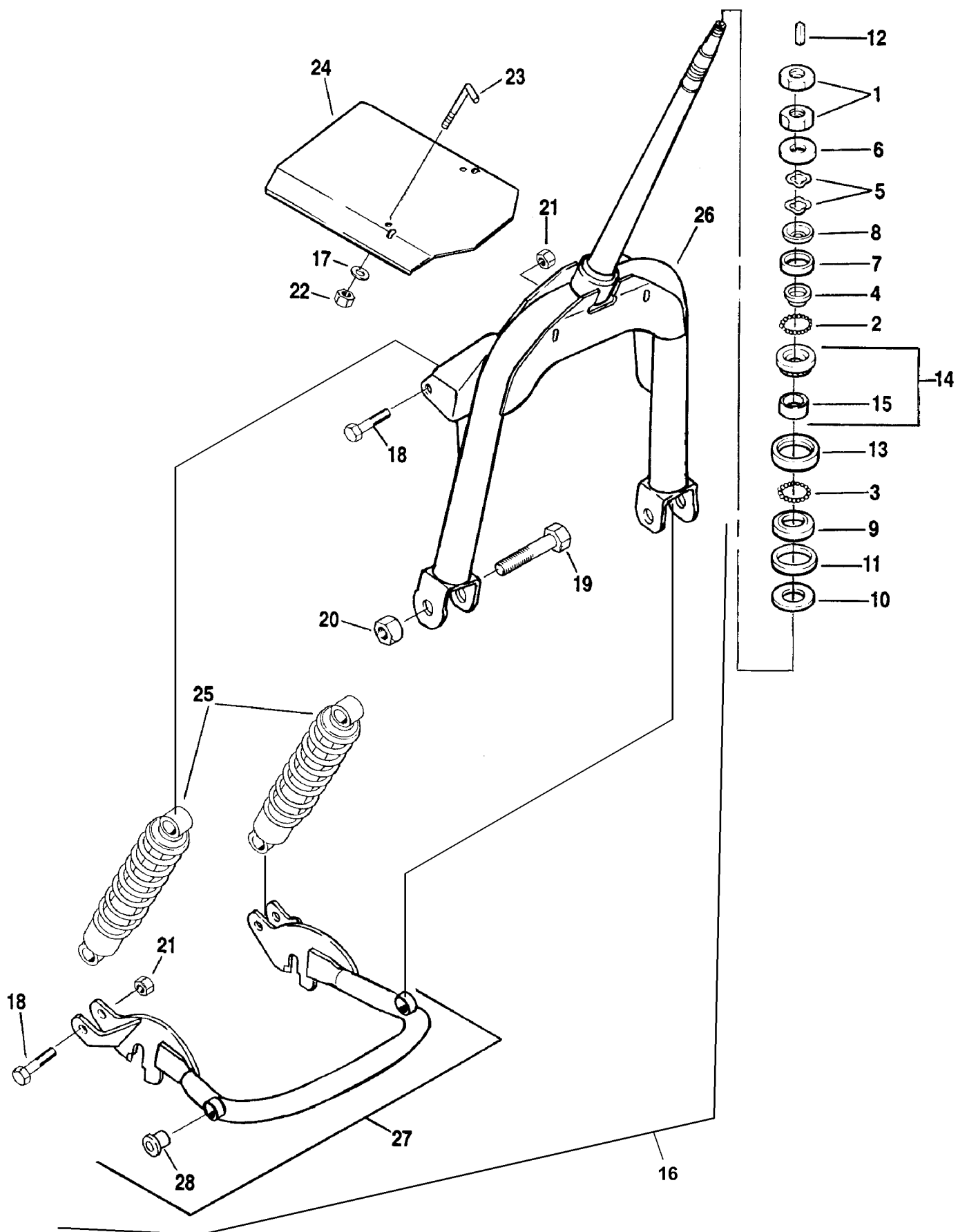
Ref. No.	Part No.	Description	No. Req'd	Notes
1	120177	Lockwasher, 3/8"	5	
2	302030	Screw, 1/4–20 x 1 1/4"	3	
3	305134	Nut, 7/8–14, jam	2	
4	306396	Lockwasher, 1/4"	7	
5	306414	Screw, 3/8–16 x 1"	3	
6	306562	Nut, 3/8–16	2	
7	306832	Screw, 1/4–20 x 2"	4	
8	306835	Screw, 3/8–16 x 1 1/4"	2	
9	306981	Washer, 3/8"	7	
10	311496	Washer, 5/8"	1	
11	809255	Cover, dust shield	1	
12	816446	Washer, 3/8"	2	
13	816447	Ring, retaining	1	
14	816449	Washer, knurled	2	
15	816455	Ring, retaining	1	
16	816456	Bearing, ball	1	
17	816652	Nut, steering wheel	1	
18	816653	Plate, contact	1	
19	816654	Button, horn	1	
20	816659	Key	1	
21	816660	Shaft, pinion gear	1	
22	816674	Support	1	
23	816675	Support	1	
24	825672	Nut, 1/2–20, special	1	
25	830167	Gear, steering, driven	1	
26	830168	Gear, cluster	1	
27	832555	Housing, upper steering gear	1	
28	883317	Bolt, 7/16–20 x 3.7" grade 8	1	
29	800612	•Nut, 7/16–20 crownlock	2	
30	884750	Wire and spring set	1	
31	826491	•Spring, compression	1	
32	880365	•Wire and connector	1	
33	886883	Housing, lower steering gear	1	
34	830369	•Bushing	1	
35	830370	•Bushing	1	
36	888527	Wheel, steering	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

STEERING COMPONENTS (4 WHEEL) 15.4

Ref. No.	Part No.	Description	No. Req'd	Notes
1	112050	Screw, 1/4–20 x 5/8" tapping	5	
2	130538	Screw, 7/16–14 x 1 1/4"	1	
3	302288	Screw, 1/4–20 x 1"	5	
4	303269	Lockwasher, 7/16	3	
5	306325	Lockwasher, 5/16"	4	
6	306375	Nut, 1/4–20	3	
7	306396	Lockwasher, 1/4"	3	
8	306450	Screw, 5/16–18 x 3/4"	2	
9	306932	Nut, 5/16–18	2	
10	308090	Washer, 1/4"	3	
11	308197	Screw, 7/16–14 x 1 1/2"	2	
12	311496	Washer, 5/8"	1	
13	548201	Screw, set, 5/16–18 x 5/16"	1	
14	800449	Nut, speed, 1/4–20	5	
15	800580	Plug, hole	1	
16	810666	Cover	1	
17	800338	Nut, acorn, 5/8–18	1	
18	830366	Switch, push	1	
19	819923	Collar, foam	1	
20	306531	Nut, #10–24	1	
21	826311	Bracket	1	
22	831135	Bearing, bronze	1	
23	829144	Filler, steering column	1	
24	839555	Arm, pitman	1	
25	869099	Cover, steering gear	1	
26	885845	Tube, steering column	1	
27	885852	Shaft, steering column	1	
28	887516	Set, steering support	1	
29	120177	•Lockwasher, 3/8"	2	
30	306562	•Nut, 3/8–16	2	
31	306834	•Screw, 3/8–16 x 3/4"	2	
32	306981	•Washer, 3/8"	4	
33	831301	•Bracket	1	
34	831402	•Support, steering column	1	
35	831417	•U-bolt	1	
36	306325	••Lockwasher, 5/16"	2	
37	306932	••Nut, 5/16–18	2	
38	831421	•Plate	1	
39	888527	Wheel, steering	1	
40	887597	Gear, steering	1	

15.4 FRONT FORK (3 WHEEL)

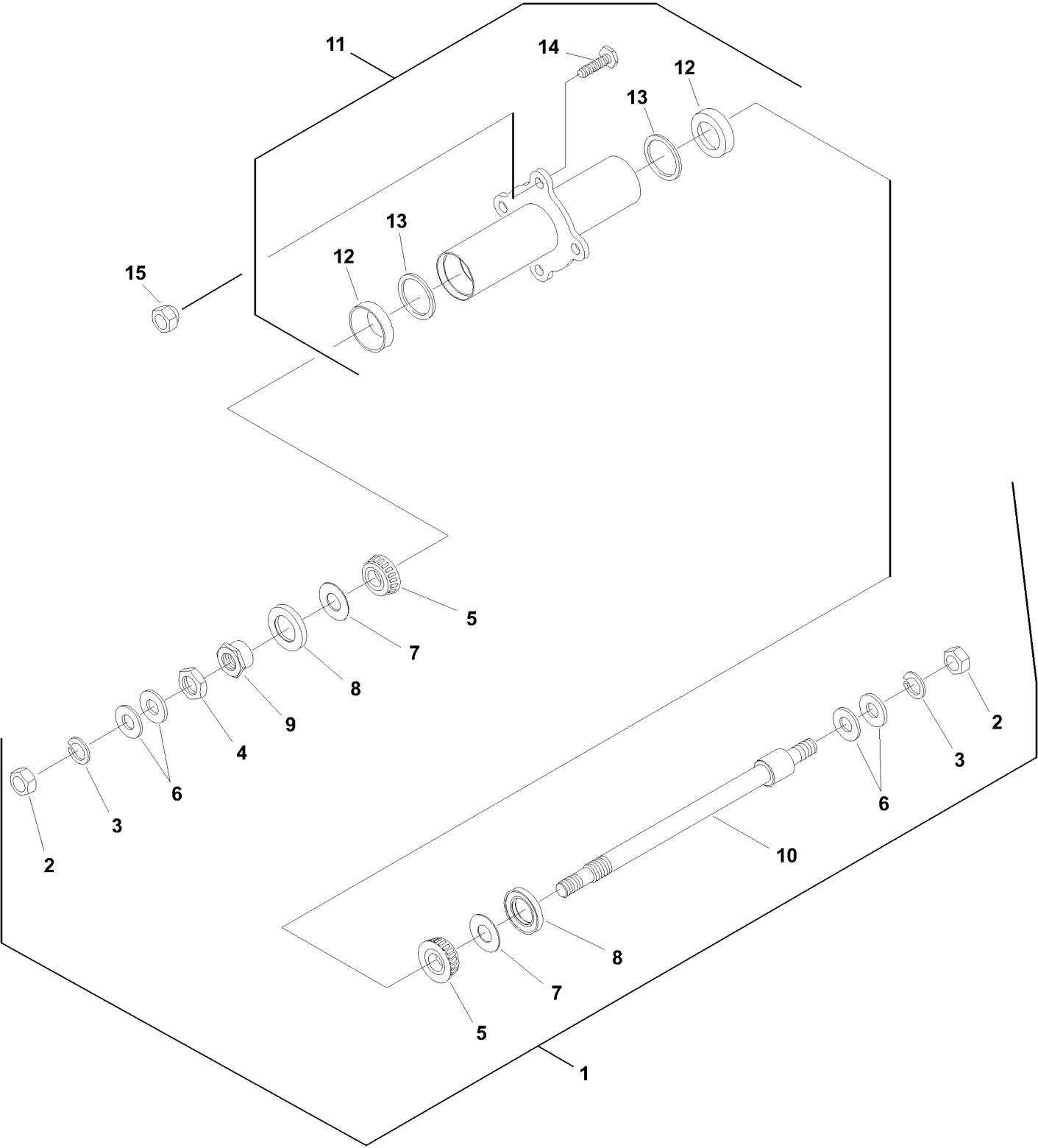


FRONT FORK (3 WHEEL) 15.4

Ref. No.	Part No.	Description	No. Req'd	Notes
1	305134	Nut, 7/8–14, jam	2	
2	800128	Ball, 3/16" (4.8mm)	20	
3	800130	Ball, 1/4" (6.4mm)	25	
4	808076	Cone, king pin bearing	1	
5	809221	Washer, spring, type 6	2	
6	809255	Retainer	1	
7	812167	Seal, dust	1	
8	814961	Washer	1	
9	815232	Cone, bearing	1	
10	815233	Washer	1	
11	815234	Seal, felt	1	
12	816659	Key	1	
13	816951	Cup, lower bearing	1	
14	886600	Cup, upper king pin bearing	1	
15	829285	•Bushing, upper fork	1	
16	889841	Fork, complete	1	
17	308090	•Washer, 1/4"	2	
18	311396	•Screw, 7/16–14 x 2 1/4"	4	
19	316915	•Screw, 5/8–11 x 2 1/2"	2	
20	548060	•Nut, 5/8–11, centerlock	2	
21	800294	•Nut, 7/16–14, centerlock	2	
22	800706	•Nut, 1/4–20, crownlock flange	2	
23	809949	•Bolt, hook	2	
24	836611	•Panel, splash	1	
25	836622	•Absorber, shock	2	
26	889840	•Fork	1	
27	889952	•Yoke w/bushings	1	
28	836618	••Bushing, flanged	2	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.5 FRONT HUB AND AXLE (3 WHEEL)

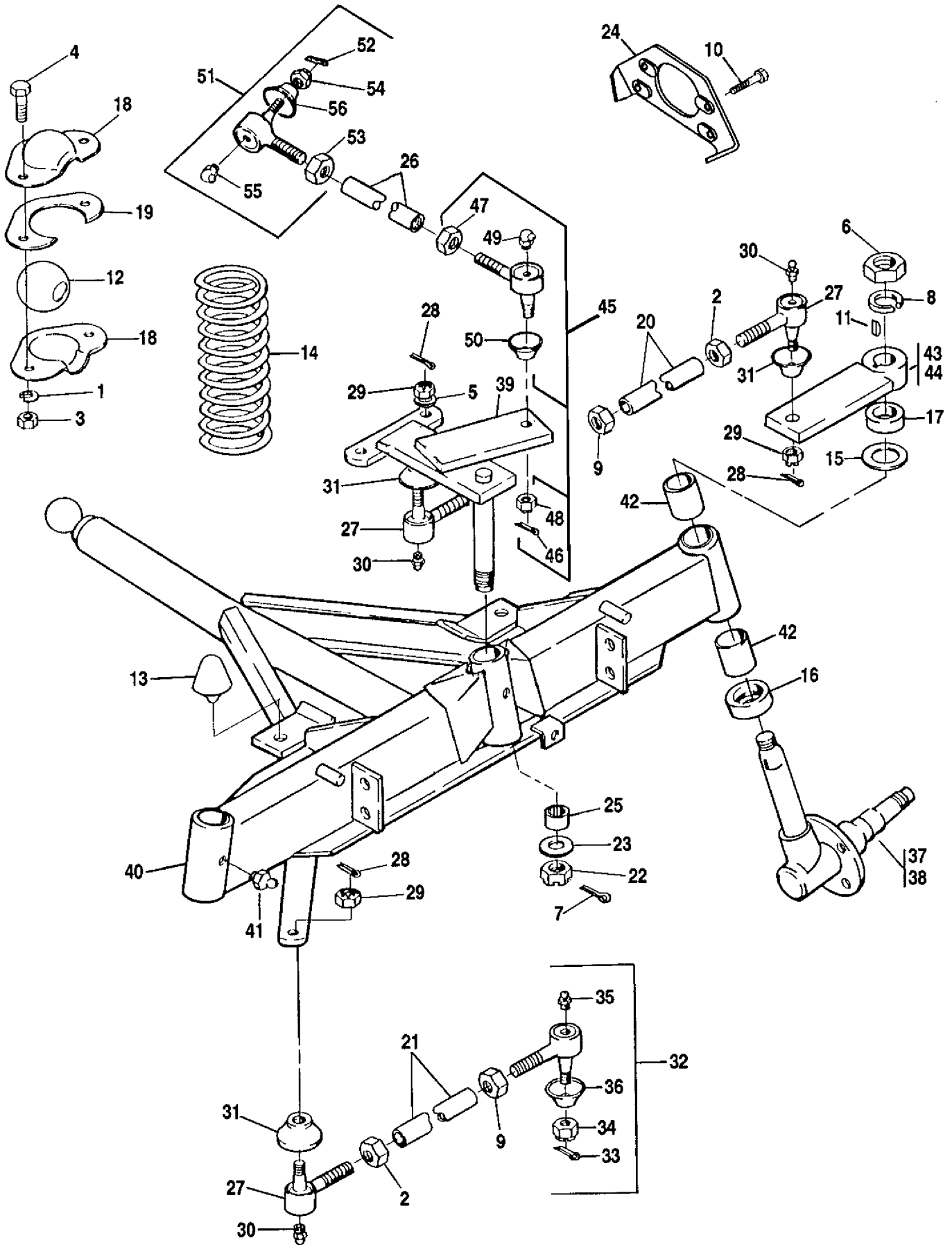


FRONT HUB AND AXEL (3 WHEEL) 15.5

Ref. No.	Part No.	Description	No. Req'd	Notes
1	889845	Hub & Axle, complete	1	
2	304104	•Nut, jam, 5/8-18	2	
3	306494	•Lockwasher, 5/8"	2	
4	307665	•Nut, jam, 3/4-16	1	
5	385174	•Bearing, cone and roller	2	
6	836674	•Washer, 5/8"	4	
7	809229	•Flinger, grease seal	2	
8	836621	•Seal, oil	2	
9	836719	•Nut, bearing adj.	1	
10	889843	•Axle	1	
11	889844	•Hub	1	
12	808088	••Cup, tapered roller bearing	2	
13	809268	••Ring, bearing backing	2	
14	816320	••Screw, 7/16-20 x 1 1/8"	4	
15	805860	Nut, wheel mounting	4	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.6 FRONT AXLE (4 WHEEL)

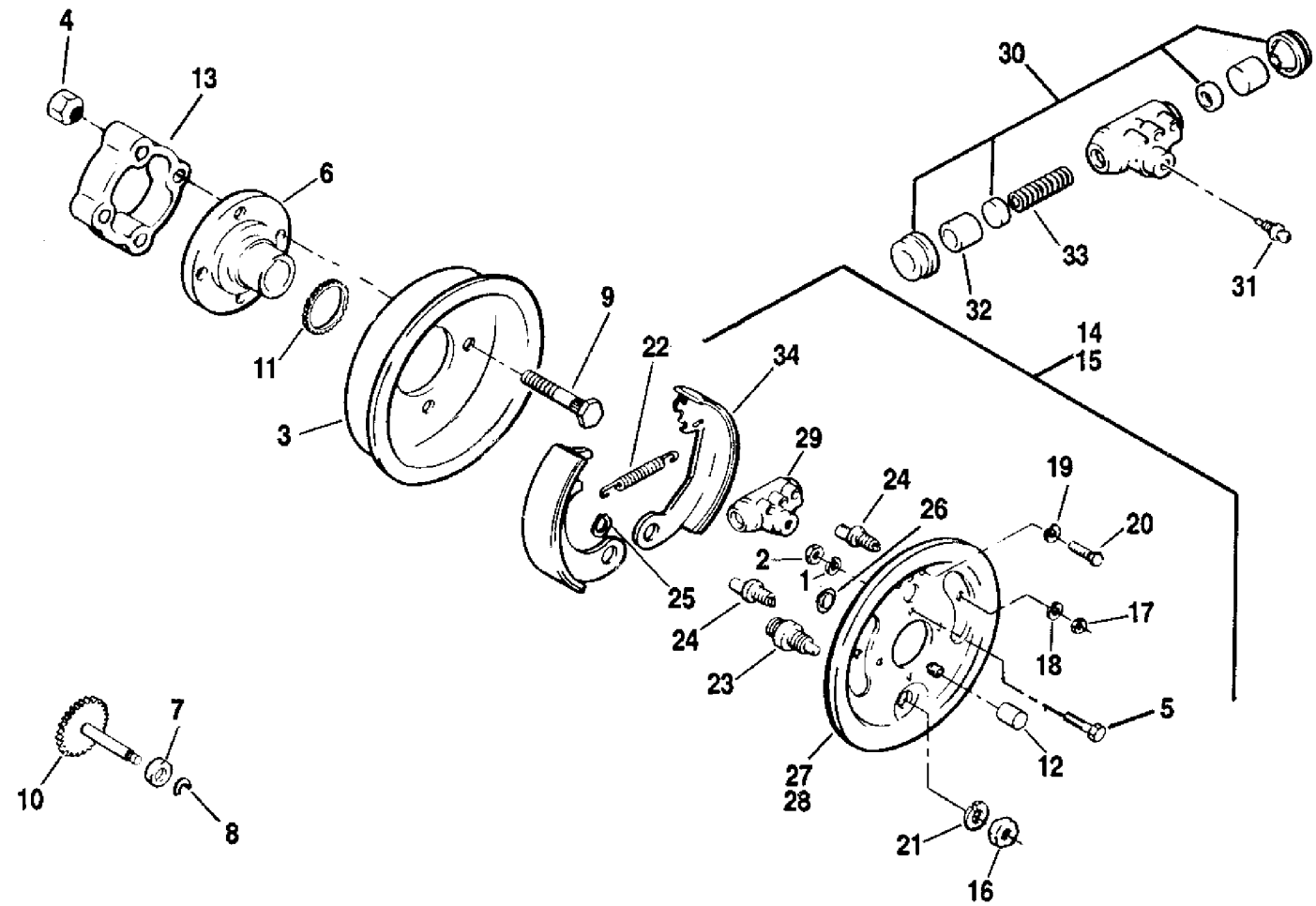


FRONT AXLE (4 WHEEL) 15.6

Ref. No.	Part No.	Description	No. Req'd	Notes
1	120177	Lockwasher, 3/8"	2	
2	302944	Nut, 9/16–18, jam, RIGHT hand thread	4	
3	306562	Nut, 3/8–16	2	
4	306835	Screw, 3/8–16 x 1 1/4"	2	
5	306982	Washer, 7/16"	2	
6	307665	Nut, 3/4–16 jam	2	
7	307976	Pin, cotter, 5/32 x 1 1/4"	1	
8	312272	Lockwasher, 3/4"	2	
9	800485	Nut, 9/16–18, jam, LEFT hand thread	4	
10	800794	Screw, 5/16–18 x 3/4"	4	
11	805874	Key, woodruff, #9	2	
12	810144	Bushing, ball joint	1	
13	813850	Bumper, travel limiting	2	
14	817543	Spring front coil	2	
15	817889	Washer, thrust	2	
16	817891	Bearing, king pin	2	
17	818219	Seal, king pin	2	
18	823025	Cap, ball joint	2	
19	823026	Spacer, ball cap	1	
20	834891	Rod, tie	2	
21	835279	Rod, radius, tie	1	
22	839268	Nut, castle, 3/4–16	1	
23	839422	Washer, brass thrust	2	
24	839787	Stop, pitman arm	1	
25	839998	Bearing, needle	2	
26	840079	Link, drag	1	
27	887512	End, tie rod, set w/hardware RIGHT hand thread	4	
28	306328	•Pin, cotter, 3/32 x 3/4"	1	
29	306825	•Nut, castle, 7/16–20	1	
30	548224	•Fitting, lubrication, straight tapping	1	
31	816586	•Retainer, grease	1	
32	887750	End, tie rod, set w/hardware LEFT hand thread	3	
33	306328	•Pin, cotter, 3/32 x 3/4"	1	
34	306825	•Nut, castle, 7/16–20	1	
35	548224	•Fitting, lubrication, straight tapping	1	
36	816586	•Retainer, grease	1	
37	891487	Spindle, RIGHT	1	
38	891488	Spindle, LEFT	1	
39	892188	Bellcrank, steering	1	
40	892190	Axle, front	1	
41	807439	•Fitting, lubrication	3	
42	818238	•Bushing, king pin	4	
43	892212	Arm, steering, RIGHT	1	
44	892213	Arm, steering, LEFT	1	
45	892537	End, tie rod, set w/hardware, RIGHT hand thread	1	
46	306328	•Pin, cotter, 1/8 x 1 1/8"	1	
47	800858	•Nut, jam, 11/16–18, RIGHT hand thread	1	
48	800861	•Nut, castle, 9/16–18	1	
49	831405	•Fitting, lubrication, 90°	1	
50	840178	•Retainer, grease	1	
51	892538	End, tie rod, set w/hardware LEFT hand thread	1	
52	306328	•Pin, cotter, 1/8 x 1 1/8"	1	
53	800859	Nut, jam, 11/16–18, LEFT hand thread	1	
54	800861	•Nut, castle, 9/16–18	1	
55	831405	•Fitting, lubrication, 90°	1	
56	840178	•Retainer, grease	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

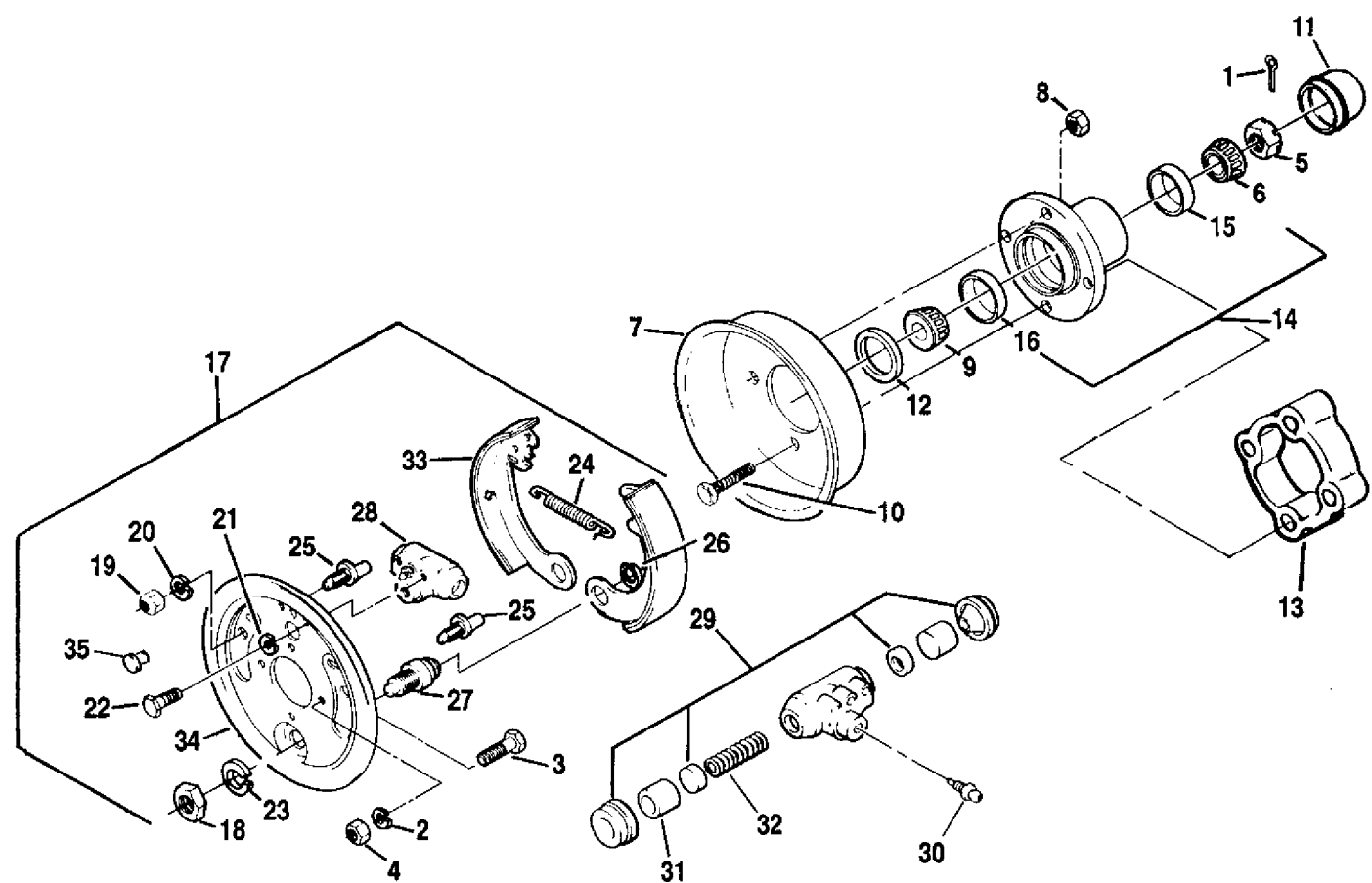
15.7 REAR BRAKES



Ref. No.	Part No.	Description	No. Req'd	Notes
1	306325	Lockwasher, 5/16	4	
2	306932	Nut, 5/16–18	4	
3	805030	Drum, brake	1	
4	805860	Nut, wheel retaining	4	
5	806251	Screw, wheel mounting	4	
6	827019	Hub, wheel	1	
7	809018	Bushing, speedometer gear	1	
8	809257	Ring, speedometer gear retaining	1	
9	815838	Screw, wheel retaining	8	
10	821153	Gear, speedometer driven	1	
11	821154	Gear, speedometer drive	1	
12	824925	Cover, speedometer shaft	1	
13	826010	Spacer	2	
14	881152	Shield, dust w/brake shoes,complete, LEFT	1	
	OR			
15	883034	Shield, dust w/brake shoes, complete, RIGHT ...	1	
16	130084	•Nut, 5/8–18	1	
17	306319	•Nut, 3/8–24	2	
18	306353	•Lockwasher, 3/8	2	
19	306396	•Lockwasher, 1/4	2	
20	306419	•Screw, 1/4–20 x 1/2	2	
21	306494	•Lockwasher, 5/8	1	
22	805441	•Spring	1	
23	806758	•Pin, heel	1	
24	806761	•Pin, adjustment	2	
25	809252	•Ring, retaining	1	
26	884402	•Shield, dust,RIGHT	1	
	OR			
27	889593	•Shield, dust,LEFT	1	
28	835841	••Plug, hole	1	
29	886371	•Cylinder, wheel	1	
30	811775	••Repair kit, wheel cylinder	1	
31	811794	••Screw, bleeder	1	
32	811910	••Piston, wheel cylinder	2	
33	811911	••Spring, wheel cylinder	1	
34	887284	•Brake shoe, w/lining (bonded)	2	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.8 FRONT BRAKES (4 WHEEL)

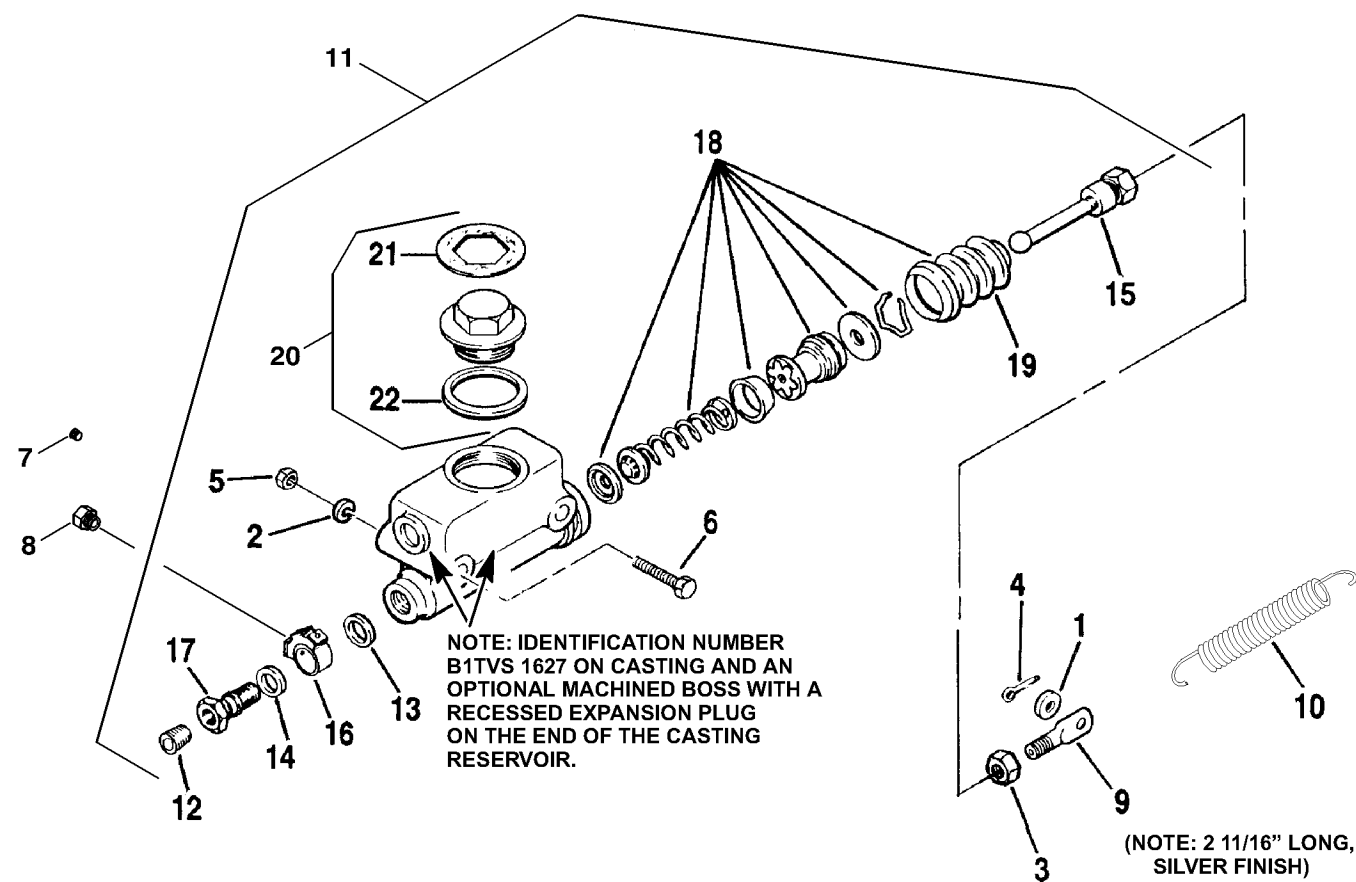


FRONT BRAKES (4 WHEEL) 15.8

Ref. No.	Part No.	Description	No. Req'd	Notes
1	304636	Pin, cotter, 1/8" x 1 1/8"	1	
2	306325	Lockwasher, 5/16"	4	
3	306450	Screw, 5/16-18 x 3/4"	4	
4	306932	Nut, 5/16-18	4	
5	311537	Nut, 3/4-16, castle	1	
6	385174	Bearing, outer	1	
7	805030	Drum, brake, steel	1	
8	805860	Nut, wheel retaining	4	
9	815403	Bearing, inner	1	
10	815838	Screw, wheel mounting	4	
11	817250	Cover	1	
12	817928	Seal	1	
13	826010	Spacer	1	
14	881109	Hub w/bearing cups	1	
15	808088	•Cup, bearing, outer	1	
16	814474	•Cup, bearing, inner	1	
17	886292	Shield, dust w/shoes, complete	1	
18	304104	•Nut, 5/8-18	1	
19	306319	•Nut, 3/8-24	2	
20	306353	•Lockwasher, 3/8"	2	
21	306396	•Lockwasher, 1/4"	2	
22	306419	•Screw, 1/4-20 x 1/2"	2	
23	306494	•Lockwasher, 5/8"	1	
24	805441	•Spring	1	
25	806761	•Pin, adjustment	2	
26	809252	•Ring, retaining	1	
27	829348	•Pin, heel	1	
28	886371	•Cylinder, wheel	1	
29	811775	••Repair kit, wheel cylinder	As Req'd	
30	811794	••Screw, bleeder	1	
31	811910	••Piston, wheel cylinder	2	
32	811911	••Spring, wheel cylinder	1	
33	887284	•Brake shoe w/lining	2	
34	889593	•Shield, dust	1	
35	835841	••Plug, hole	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

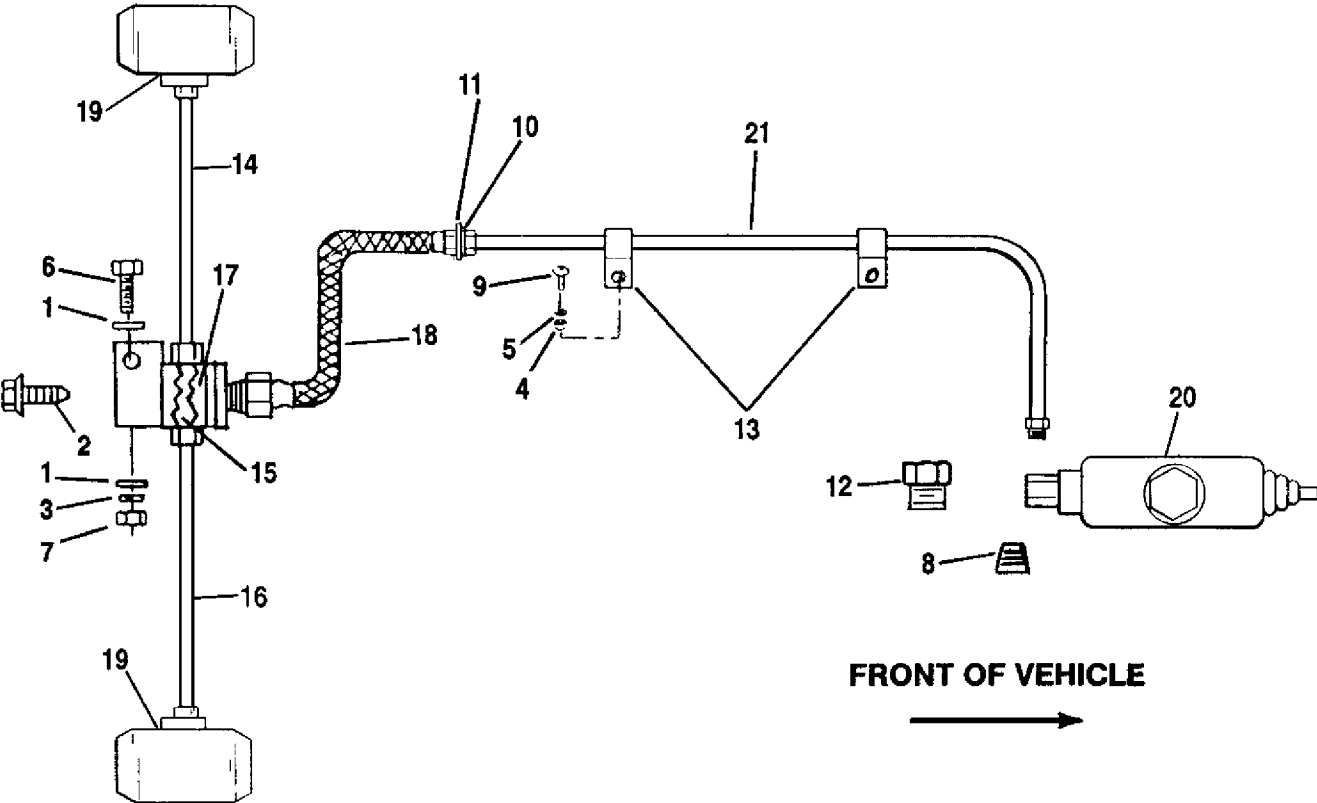
15.9 MASTER CYLINDER



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	1	
2	120177	Lockwasher, 3/8"	2	
3	130981	Nut, jam, 7/16–20	1	
4	306328	Pin, cotter, 3/32" x 3/4"	1	
5	306562	Nut, 3/8–16	2	
6	306837	Screw, 3/8–16 x 3 1/4"	2	
7	800227	Plug, pipe, 1/8–27, NPT	1	
8	809423	Plug	1	
9	812364	Rod, master cylinder brake, 1" bore	1	
	829158	Rod, master cylinder brake, 3/4" bore	1	
10	823089	Spring, brake pedal return	1	
11	886173	Cylinder, master (1" bore)	1	
	886875	Cylinder, master (3/4" bore)	1	
12	800227	•Plug, pipe, 1/8–27, NPT	1	
13	810443	•Washer	1	
14	810444	•Washer	1	
15	811918	•Rod, push (1" bore)	1	
	823752	•Rod, push (3/4" bore)	1	
16	830817	•Fitting, brass, banjo	1	
17	839140	•Bolt, master cylinder	1	
18	886444	•Kit, repair (1" bore)	1	
	886874	•Kit, repair (3/4" bore)	1	
19	811928	••Boot	1	
20	886519	•Plug set, filler	1	
21	829155	••Label, warning	1	
22	829558	••Gasket, filler plug	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.10 HYDRAULIC BRAKES (3 WHEEL)

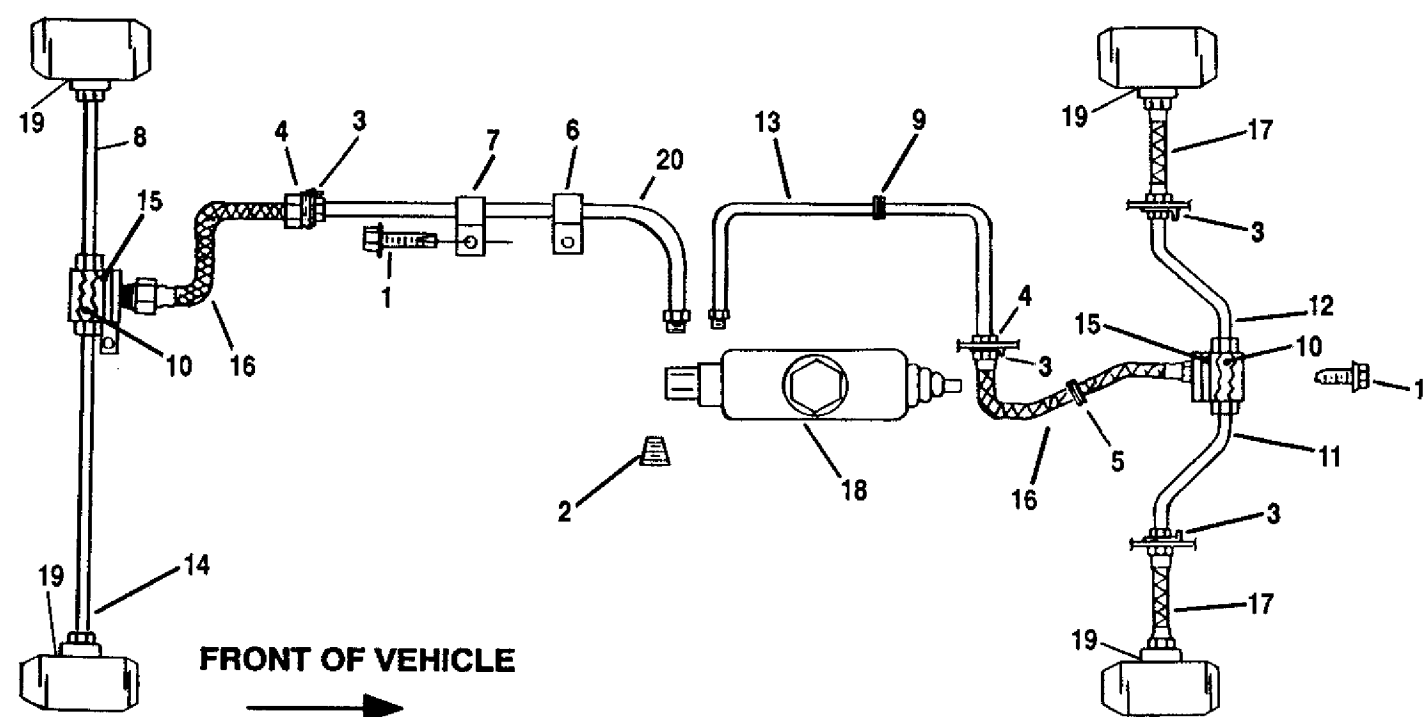


HYDRAULIC BRAKES (3 WHEEL) 15.10

Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 11/32"	2	
2	112050	Screw, 1/4-20 x 5/8" self tapping	1	
3	306325	Lockwasher, 5/16"	1	
4	306375	Nut, 1/4-20	2	
5	306396	Lockwasher, 1/4"	2	
6	306435	Screw, 5/16-18 x 1 1/4"	1	
7	306932	Nut, 5/16-18	1	
8	800227	Plug, pipe, 1/8-27	1	
9	800277	Screw, 1/4-20 x 5/8" P.T.H.	2	
10	809137	Clip	1	
11	809196	Washer	1	
12	809423	Plug, brake line	1	
13	812445	Clamp	3	
14	815421	Tube, brake, left rear	1	
15	820008	Tee, union	1	
16	829049	Tube, brake, right rear	1	
17	832584	Clamp, tee mounting	1	
18	832587	Hose, flexible, 18" (456 mm)	1	
19	886371	Cylinder, wheel	2	
20	886875	Cylinder, master	1	
21	888744	Tube, hydraulic	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.11 HYDRAULIC BRAKES (4 WHEEL)

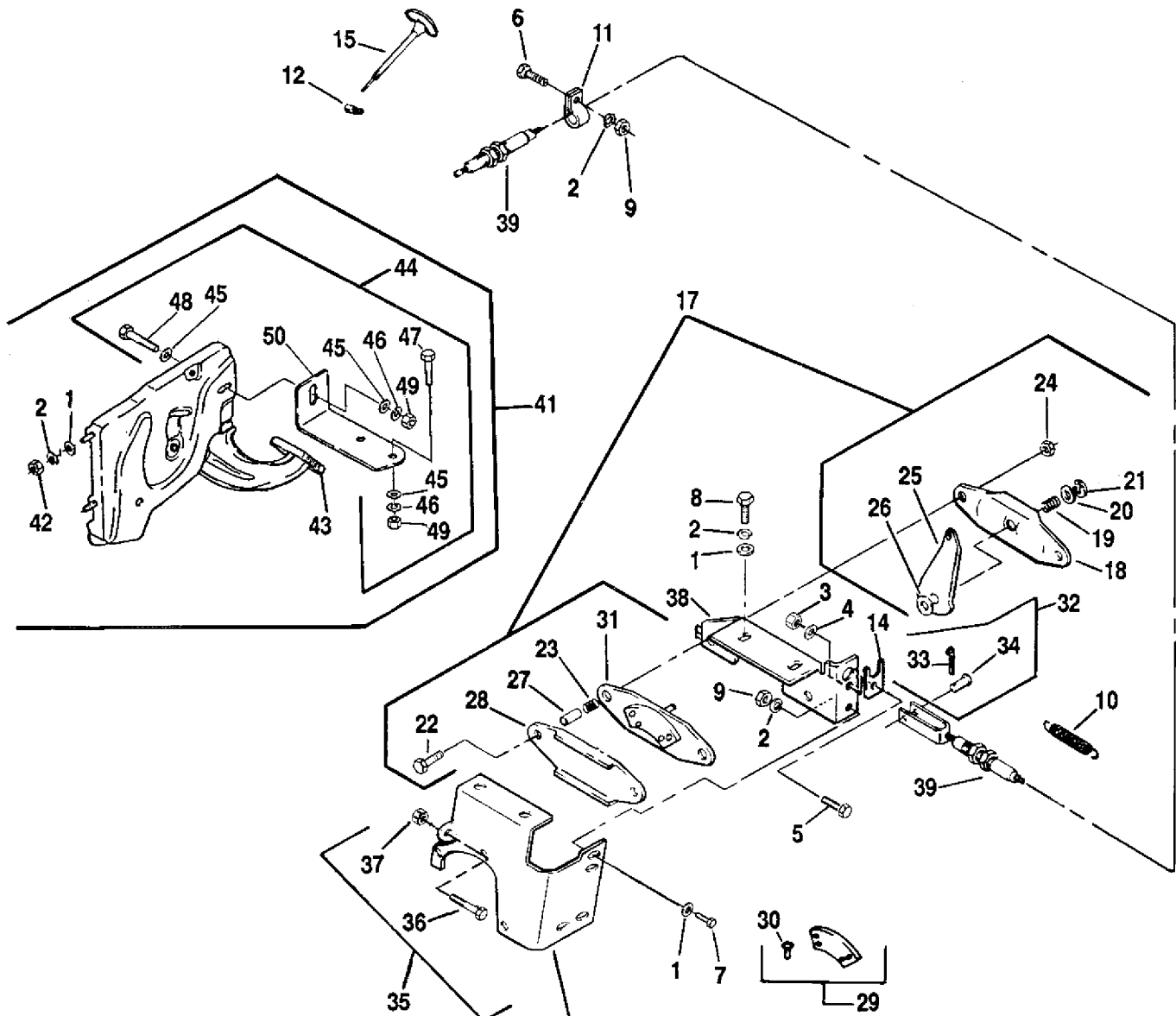


HYDRAULIC BRAKES (4 WHEEL) 15.11

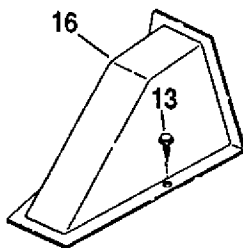
Ref. No.	Part No.	Description	No. Req'd	Notes
1	112050	Screw, 1/4–20 x 5/8" self tapping	2	
2	800227	Plug, pipe, 1/8–27	1	
3	809137	Clip	4	
4	809196	Washer	2	
5	809231	Grommet	1	
6	810435	Clamp	1	
7	812445	Clamp	1	
8	815421	Tube, brake, left rear	1	
9	817307	Grommet	1	
10	820008	Fitting, hydraulic tee	1	
11	820958	Tube, hydraulic	1	
12	820959	Tube, hydraulic	1	
13	826711	Tube, hydraulic	1	
14	829049	Tube, brake, right rear	1	
15	832584	Clamp	1	
16	832587	Hose, hydraulic	1	
17	838257	Hose, hydraulic	2	
18	886173	Cylinder, master	1	
19	886371	Cylinder, wheel	4	
20	888743	Tube, hydraulic	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.12 PARKING BRAKE



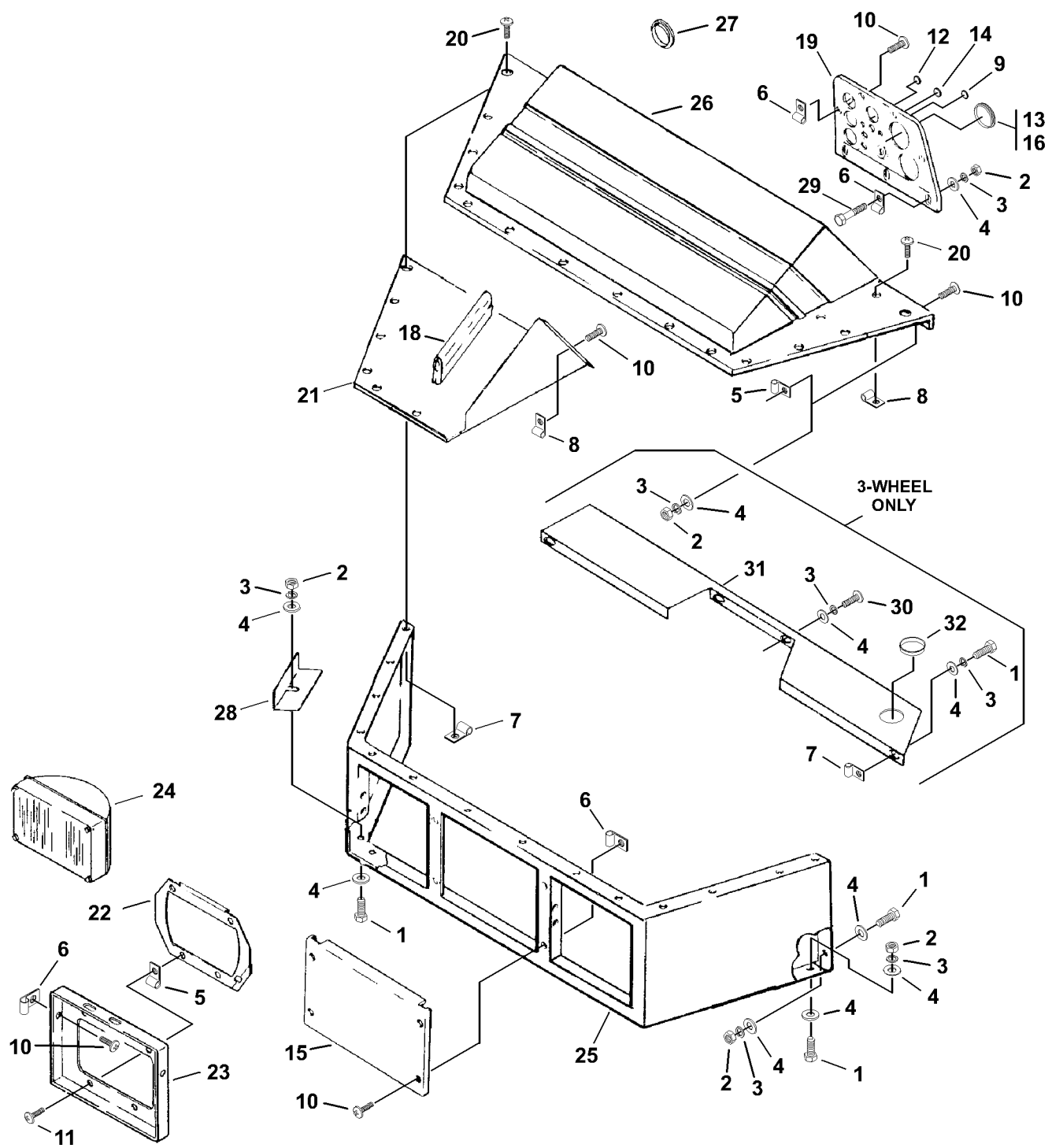
ATTACHING HARDWARE
ON TRANSMISSION



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	4	Not offered separately.
2	306325	Lockwasher, 5/16"	6	
3	306375	Nut, 1/4-20	1	
4	306396	Lockwasher, 1/4"	1	
5	306409	Screw, 1/4-20 x 7/8"	1	
6	306416	Screw, 5/16-18 x 1"	1	
7	306435	Screw, 5/16-18 x 1 3/4"	3	
8	306450	Screw, 5/16-18 x 3/4"	2	
9	306932	Nut, 5/16-18	7	
10	812368	Spring, brake return	1	
11	815058	Clamp	1	
12	817104	Stop, cable	1	
13	819195	Screw, #8, tapping	2	
14	825380	Clip	1	
15	838708	Release, parking brake	1	
16	831008	Cover, park brake	1	
17	882984	Caliper, parking brake	1	
18	823459	•Bracket, cam activator	1	
19	823460	•Spring	1	
20	823461	•Washer	1	
21	823462	•Ring, snap, external	1	
22	823463	•Screw, special	2	
23	823465	•Spring	2	
24	823466	•Nut, 3/8-24, lock	2	
25	829159	•Cam, 30°	1	
26	829160	•Washer	1	
27	829161	•Bushing	2	
28	883141	•Plate, rib, w/lining	1	
29	883487	•Lining set w/rivets	1	
30		••Rivet	8	
31	884079	•Plate, stud, w/lining	1	
32	886186	•Repair set, parking brake	1	
33	306328	••Pin, cotter, 3/32" x 3/4"	1	
34	814079	••Pin, clevis, 5/16" x 1 1/8"	1	
35	884985	Support, parking brake	1	
36	301431	•Screw, 3/8-16 x 2 1/2"	1	
37	800292	•Nut, 3/8-16, centerlock	1	
38	825590	Bracket, parking brake	1	
39	893099	Cable, parking brake	1	
40	885783	Yoke and disc, brake	1	
41	891087	Park brake lever kit, complete	1	
42	800428	•Nut, M8 x 1.25	2	
43	830208	•Pad	1	
44	891474	•Brace kit	1	
45	103867	••Washer, 5/16"	4	
46	306325	••Lockwasher, 5/16"	3	
47	306416	••Screw, 5/16-18 x 1"	2	
48	306450	••Screw, 5/16-18 x 3/4"	1	
49	306932	••Nut, 5/16-18	3	
50	837745	••Brace, park brake	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.13 FRONT PANEL AND DASH

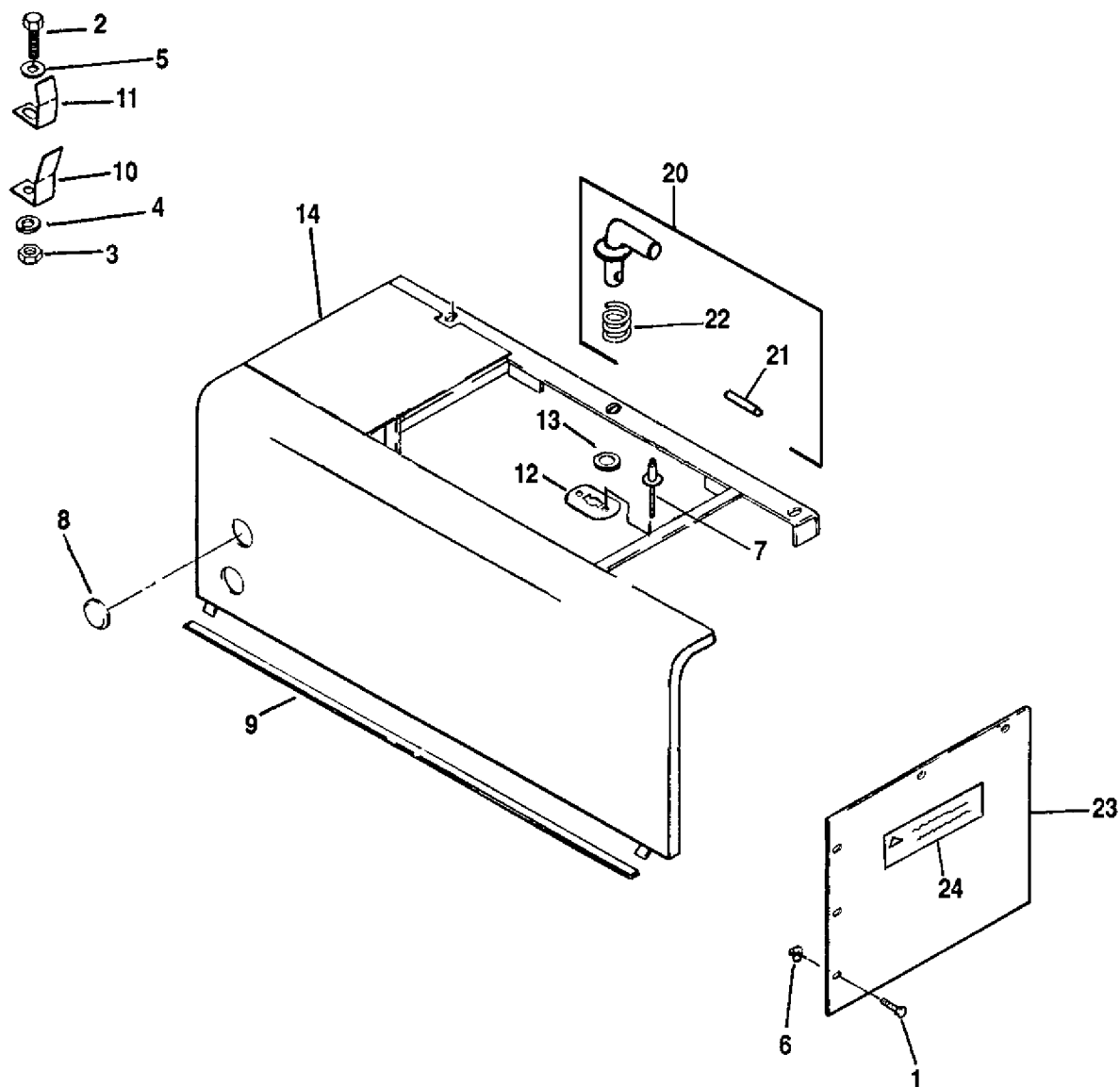


FRONT PANEL AND DASH 15.13

Ref. No.	Part No.	Description	No. Req'd	Notes
1	300646	Screw, 1/4–20 x 3/4"	10	
2	306375	Nut, 1/4–20	13	
3	306396	Lockwasher, 1/4"	17	
4	308090	Washer, 1/4"	25	
5	800169	Nut, 1/4–20, speed	9	
6	800279	Nut, 1/4–20, speed	15	
7	800449	Nut, 1/4–20, speed	14	
8	800495	Nut, 1/4–20, speed	10	
9	800580	Plug, hole (light switch)	1	
10	800582	Screw, 1/4–20 x 3/4", P.T.H.	19	
11	800739	Screw, 1/4–20 x 1 1/2"	6	
12	811650	Plug, hole (heater switch)	1	
13	824438	Plug, hole (tachometer)	1	
14	825919	Plug, hole (hazard & highbeam)	2	
15	828623	Panel, front body	1	
16	830083	Plug, hole (speedometer)	1	
17	830355	Seal, weather, 1/4" x 1/2" x 35' (10.3M) . As Req'd.		
18	830908	Seal, push on, 25' (7.6M) As Req'd.		
19	840907	Panel, instrument	1	
20	833830	Screw, 1/4–20 x 3/4", shoulder	16	
21	834083	Panel, glove box (4 wheel)	1	
	833326	Panel, glove box (3 wheel)	1	
22	836832	Panel, retainer	2	
23	836833	Panel, headlight	2	
24	837303	Headlight, rectangular	2	
25	885835	Body, front (4 wheel)	1	
	885833	Body, front (3 wheel)	1	
26	889160	Panel, dash (4 wheel)	1	
	889159	Panel, dash (3 wheel)	1	
27	829101	•Plug, hole, defroster	1	
28	833943	Bracket, clamping	2	
29	302288	Screw, 1/4–20 x 1"	3	
30	800026	Screw, 1/4–20 x 3/4", P.T.H.	4	
31	833371	Brace, dash (3-wheel models)	1	
32	842863	Plug, access	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

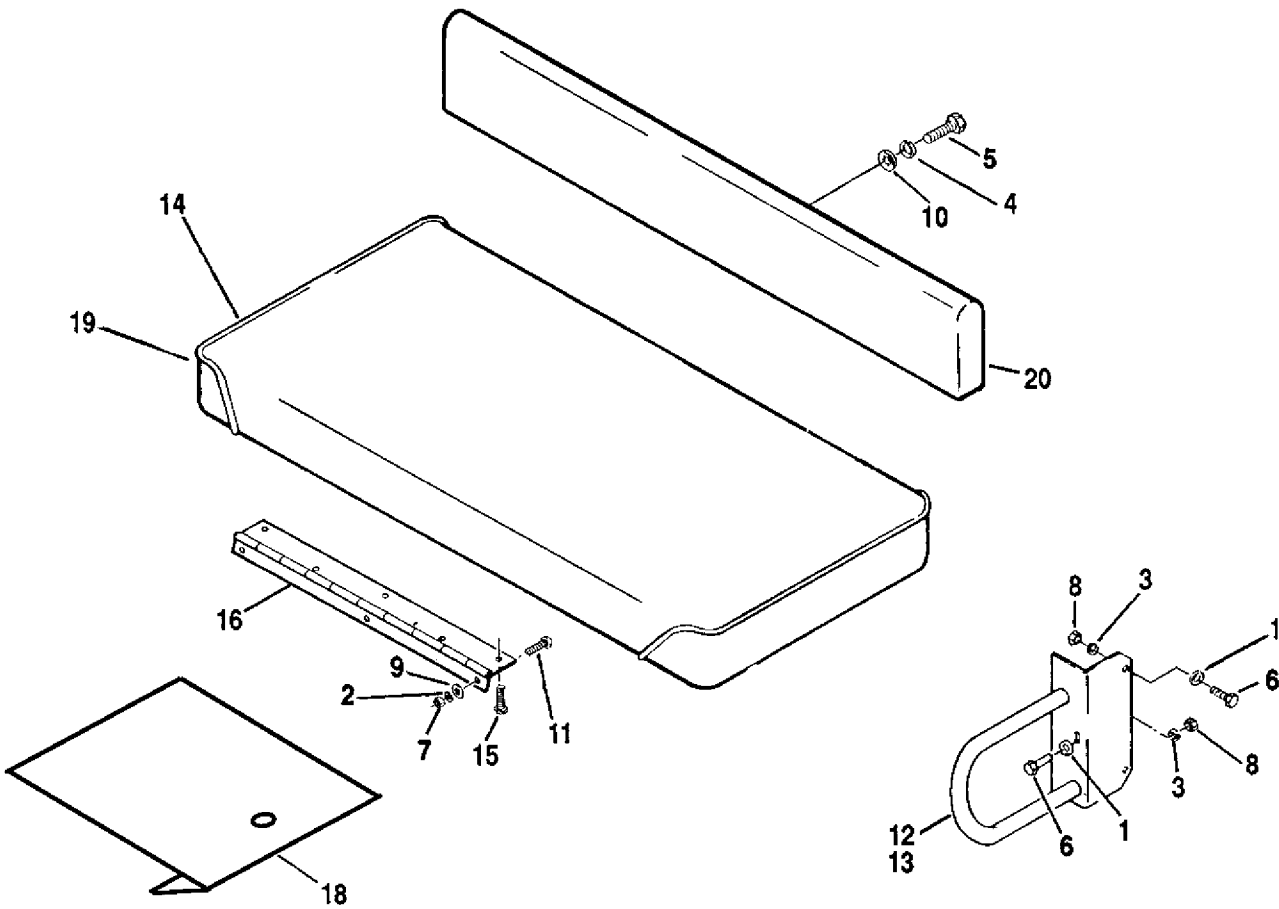
15.14 ENGINE COVER



ENGINE COVER 15.14

Ref. No.	Part No.	Description	No. Req'd	Notes
1	112050	Screw, 1/4–20 x 5/8"self tapping	5	
2	300646	Screw, 1/4–20 x 3/4"	1	
3	306375	Nut, 1/4–20	1	
4	306396	Lockwasher, 1/4"	3	
5	308090	Washer, 1/4"	3	
6	800279	Nut, speed, 1/4–20	5	
7	800390	Rivet, 1/8"	2	
8	825922	Plug, hole	2	
9	828378	Stripping	As Req'd	
10	830777	Bracket	1	
11	830778	Bracket	1	
12	830780	Catch, latching	1	
13	830781	Retainer	1	
14	886791	Cover, engine, w/decals	1	
15	822819	•Decal, warning–parking brake	1	Not illustrated.
16	825912	•Decal, shift pattern	1	Not illustrated.
17	828516	•Decal	1	Not illustrated.
18	829405	•Decal, clutch	1	Not illustrated.
19	831136	•Decal, engine cover latch	1	Not illustrated.
20	887443	Latch, complete	1	
21	316935	•Pin, spirol, 5/32 x 5/8"	1	
22	830658	•Spring	1	
23	892754	Panel, LEFT cover	1	
24	826538	•Decal, safety	1	

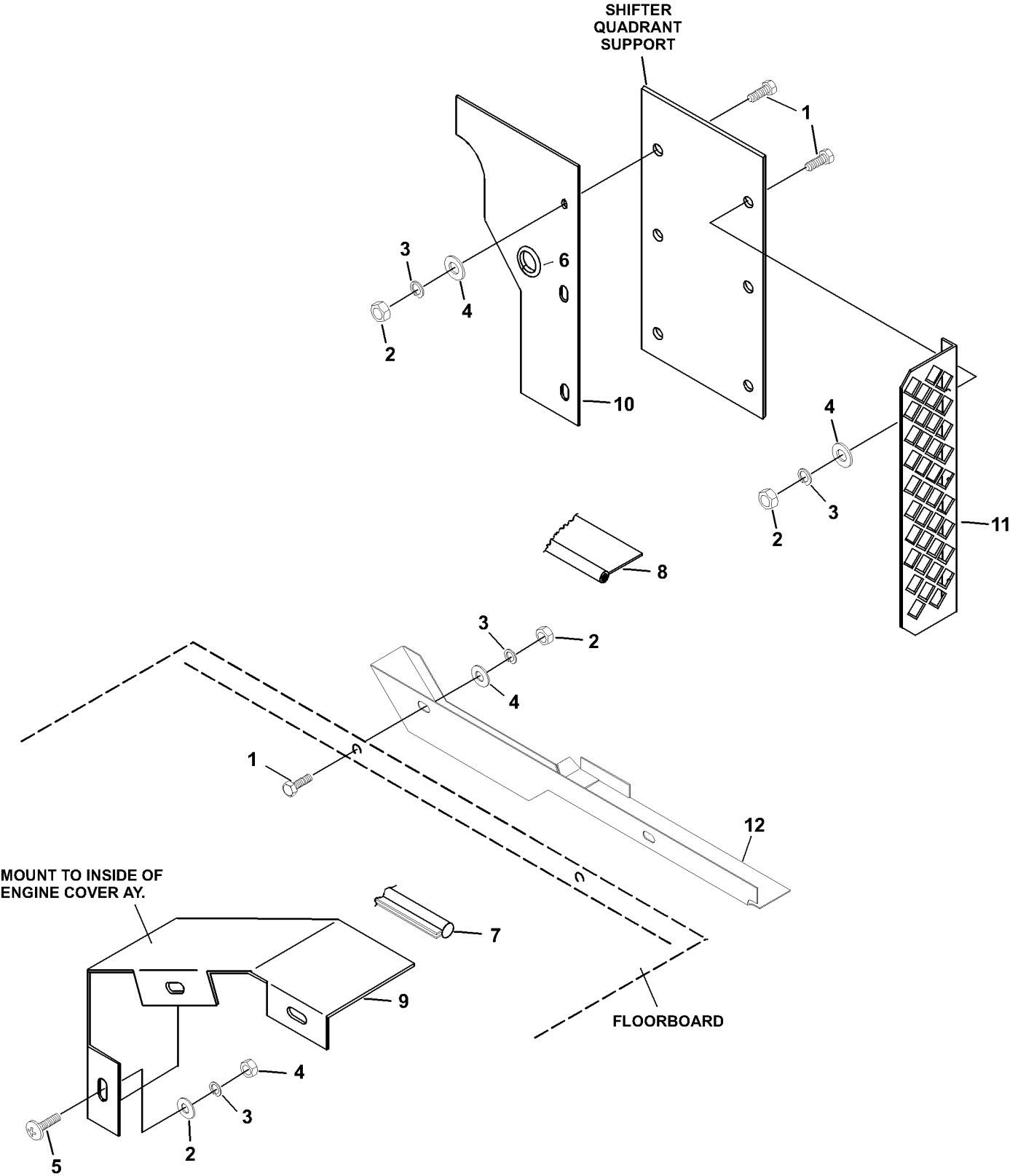
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 11/32"	12	
2	120052	Lockwasher, #10	3	
3	306325	Lockwasher, 5/16"	6	
4	306396	Lockwasher, 1/4"	3	
5	306409	Screw, 1/4–20 x 7/8"	2	
6	306416	Screw, 5/16–18 x 1"	6	
7	306531	Nut, #10–24	3	
8	306932	Nut, 5/16–18	6	
9	308089	Washer, .20 I.D. x .47 O.D.	3	
10	308090	Washer, 1/4"	3	
11	800271	Screw, #10–24 x 1/2"	3	
12	884819	Handhold, LEFT	1	
13	884820	Handhold, RIGHT	1	
14	886996	Seat w/hinge	1	
15	800215	•Screw, #10–24 x 5/8" P.T.H.	5	
16	812208	•Hinge, seat	1	
17	817606	•Nut, tee, #10–24	5	
18	837581	•Envelope, plastic snap closure	1	
19	886995	•Cover, seat	1	
20	888361	Backrest	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.16 AIR INDUCTION COMPONENTS

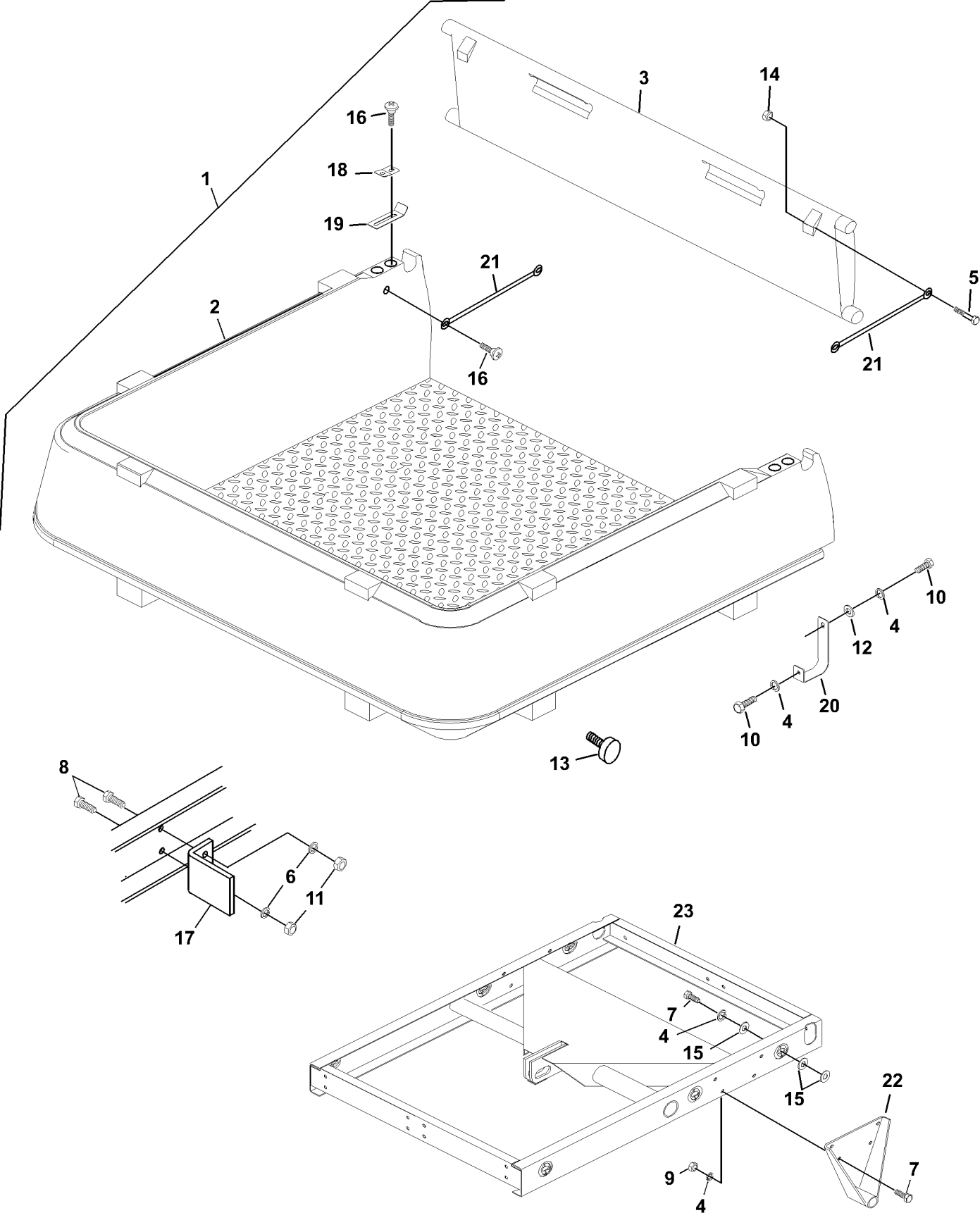


AIR INDUCTION COMPONENTS 15.16

Ref. No.	Part No.	Description	No. Req'd	Notes
1	300646	Screw, 1/4–20 x 3/4"	8	
2	306375	Nut, 1/4–20	11	
3	306396	Lockwasher, 1/4"	11	
4	308090	Washer, 1/4"	11	
5	800026	Screw, 1/4–20 x 3/4" P.T.H.	3	
6	825779	Grommet, split	1	
7	830908	Seal	As Req'd	
8	840068	Seal, lower	1	
9	840071	Panel, front air	1	
10	840072	Panel, air intake	1	
11	840198	Screen, air induction	1	
12	892533	Panel, lower air	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.17 POLYETHYLENE BOX AND FRAME

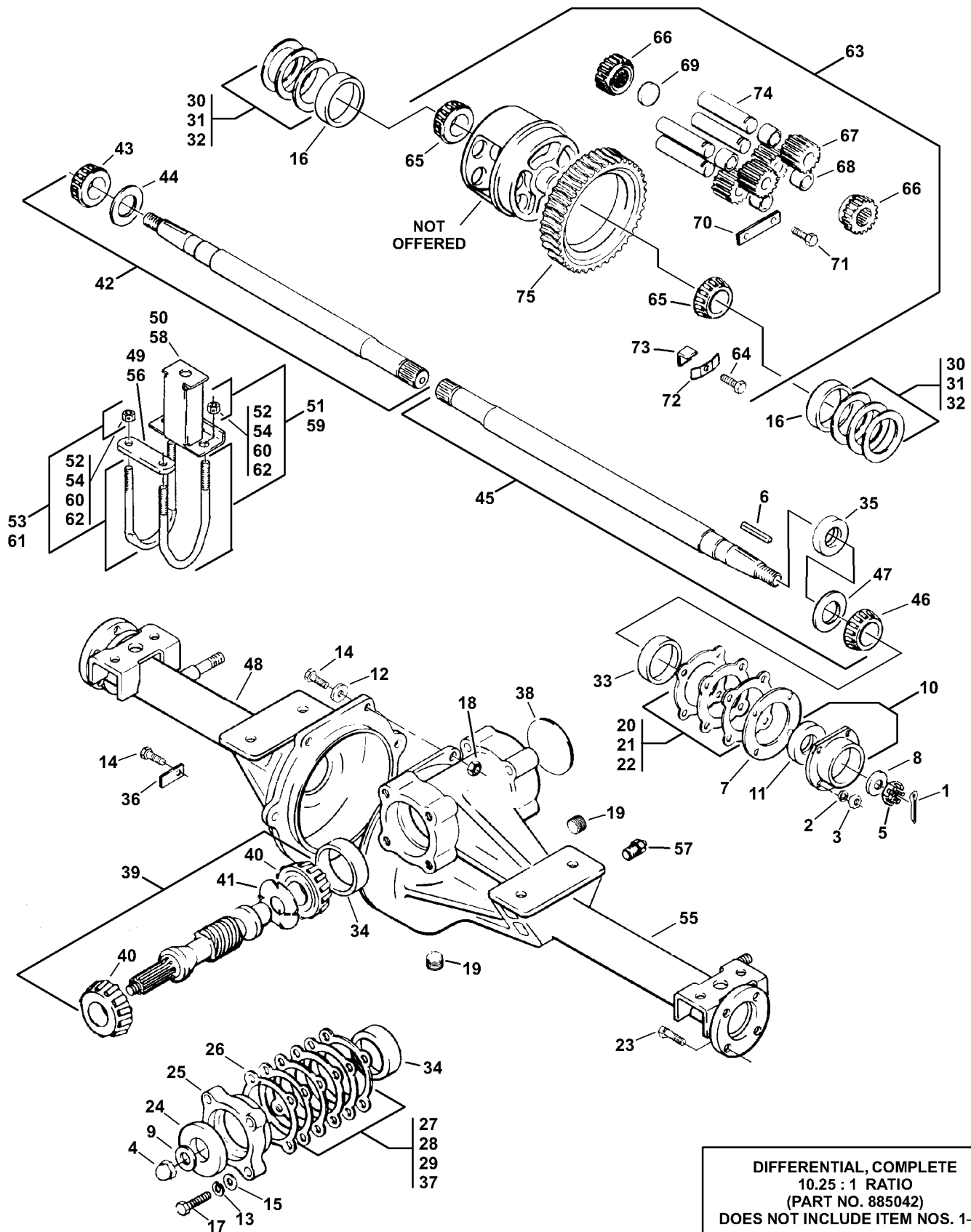


POLYETHYLENE BOX AND FRAME 15.17

Ref. No.	Part No.	Description	No. Req'd	Notes
1	892530	Box and frame, complete	1	
2	840012	•Box, polyethylene	1	
3	840013	•Tailgate	1	
4	120177	•Lockwasher, 3/8"	18	
5	303459	•Screw, 1/4–20 x 1 1/2"	2	
6	306325	•Lockwasher, 5/16"	4	
7	306414	•Screw, 3/8–16 x 1"	14	
8	306416	•Screw, 5/16–18 x 1"	3	
9	306562	•Nut, 3/8–16	8	
10	306834	•Screw, 3/8–16 x 3/4"	4	
11	306932	•Nut, 5/16–18	4	
12	306981	•Washer, 3/8"	2	
13	523224	•Bumper, rubber	1	
14	800037	•Nut, acorn, 1/4–20	2	
15	809168	•Washer	18	
16	833830	•Screw, shoulder, 1/4–20 x 3/4"	6	
17	839971	•Bracket, box support	2	
18	840015	•Clip, spring	2	
19	840016	•Bracket, slide	2	
20	840020	•Bracket, tailgate	2	
21	840057	•Cable, tailgate	2	
22	882931	•Bracket, box pivot	2	
23	892484	•Frame, tilt	1	

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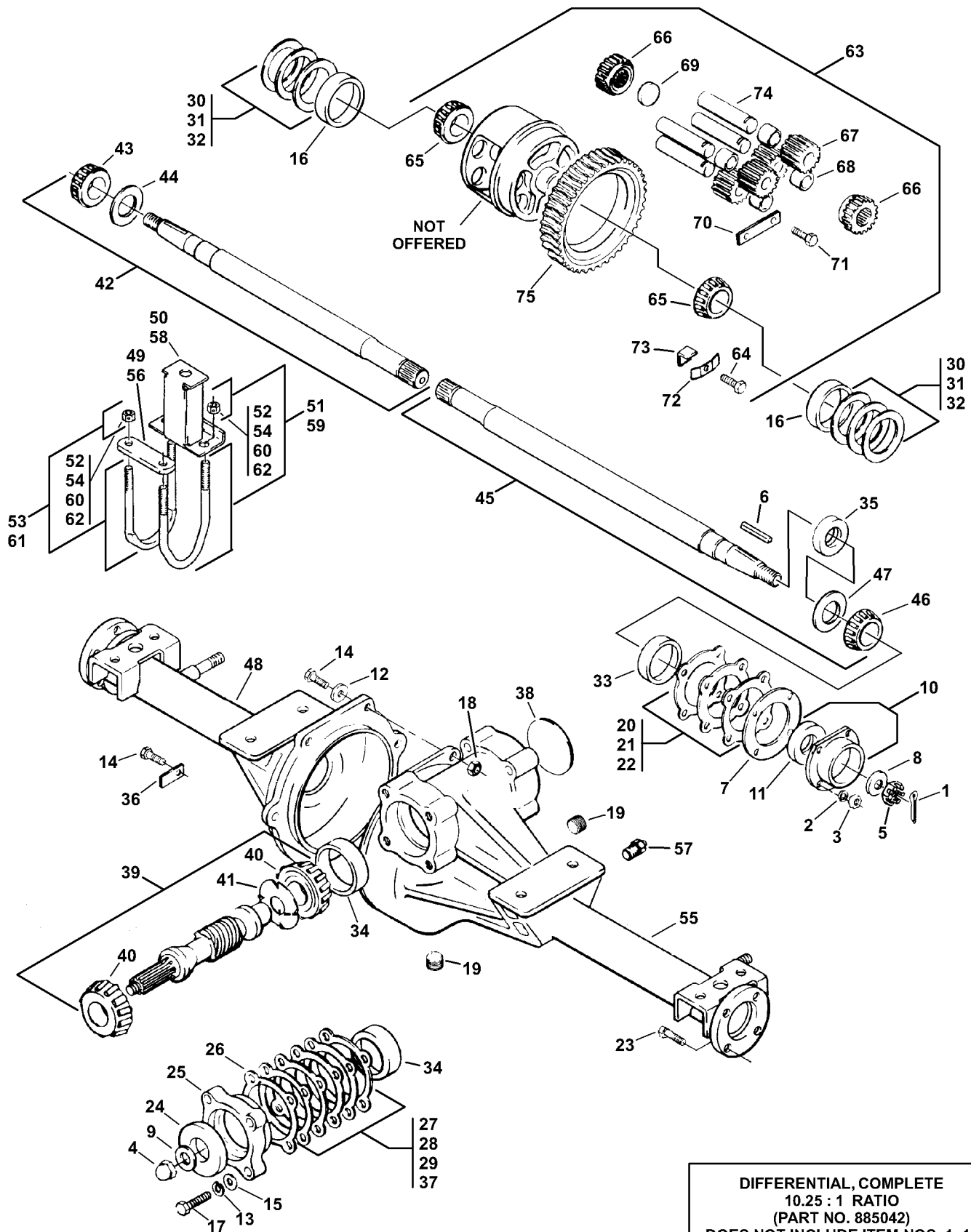
15.17 DIFFERENTIAL (10.25:1 RATIO)



Ref. No.	Part No.	Description	No. Req'd	Notes
1	304636	Pin, cotter, 1/8 x 1 1/8"	2	
2	306325	Lockwasher, 5/16"	8	
3	306932	Nut, 5/16–18	8	
4	800198	Nut, 1/2–20, crownlock	1	
5	805843	Nut, 5/8–18, castle	2	
6	805875	Key, hub	2	
7	808303	Gasket, bearing	2	
8	809156	Washer, special	2	
9	809180	Washer, special	1	
10	879476	Seal and retainer	2	
11	814488	•Seal, bearing	1	
	885042	Differential, complete (10.25:1 ratio)	1	
12	103867	•Washer, 5/16"	5	
13	120177	•Lockwasher, 3/8"	4	
14	304055	•Screw, 5/16–18 x 1 3/8"	6	
15	306405	•Washer, 3/8"	4	
16	320122	•Cup, roller bearing	2	
17	551094	•Screw, 3/8–16 x 1 3/4"	4	
18	800290	•Nut, 5/16–18, lock	6	
19	800356	•Plug, filler drain	2	
20	805320	•Shim, .005	As Req'd	
21	805321	•Shim, .010	As Req'd	
22	805322	•Shim, .030	As Req'd	
23	806251	•Screw, special	8	
24	812335	•Seal	1	
25	814226	•Retainer, bearing	1	
26	814465	•Gasket	2	
27	814466	•Shim, .005	As Req'd	
28	814467	•Shim, .010	As Req'd	
29	814468	•Shim, .030	As Req'd	
30	814469	•Shim, .003	As Req'd	
31	814470	•Shim, .005	As Req'd	
32	814471	•Shim, .010	As Req'd	
33	814474	•Cup, roller bearing	2	
34	814476	•Cup, roller bearing	2	
35	814477	•Seal, rear axle	2	
36	815490	•Tag, ratio	1	
37	816515	•Shim, .003	As Req'd	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

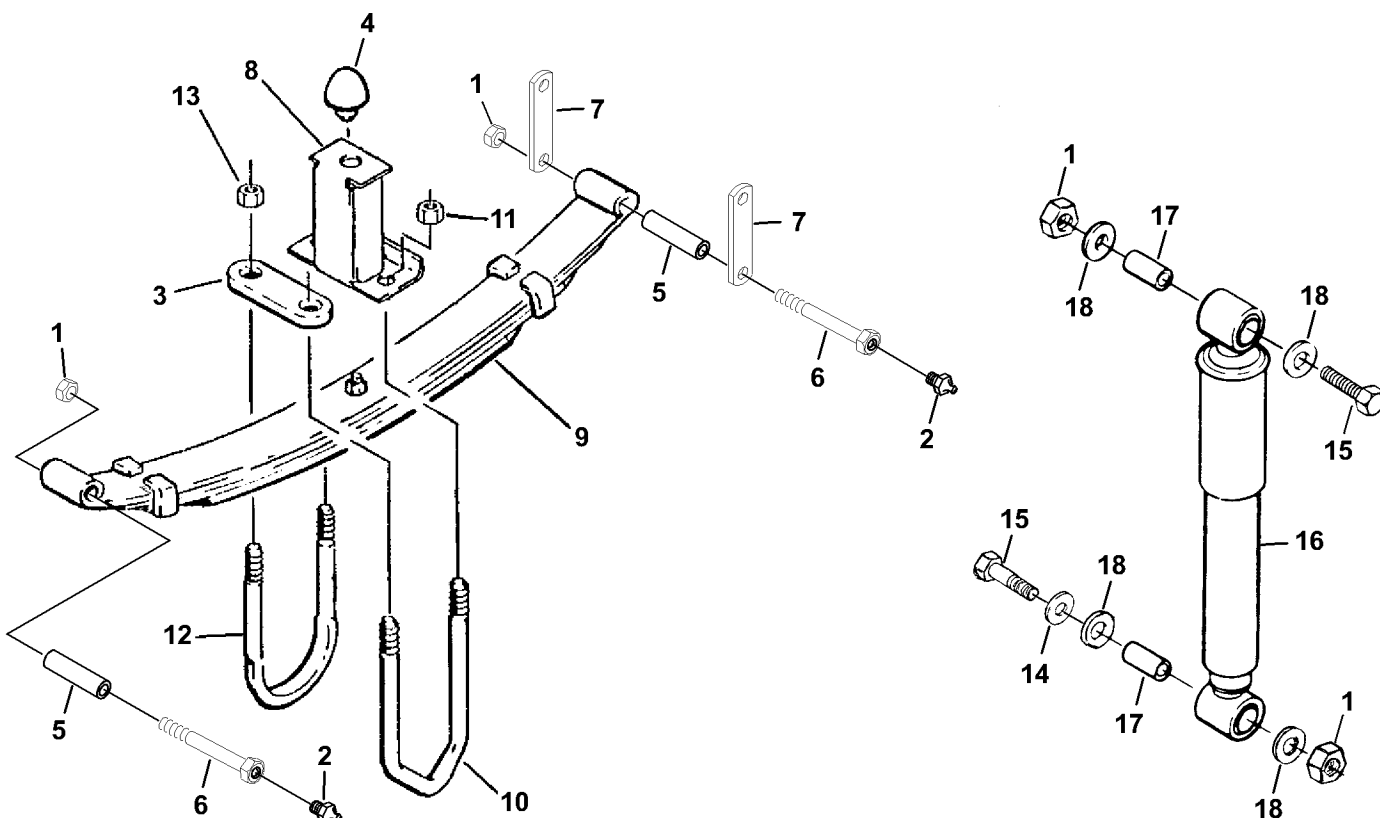
15.17 DIFFERENTIAL (10.25:1 RATIO)



DIFFERENTIAL (10.25:1 RATIO) 15.17

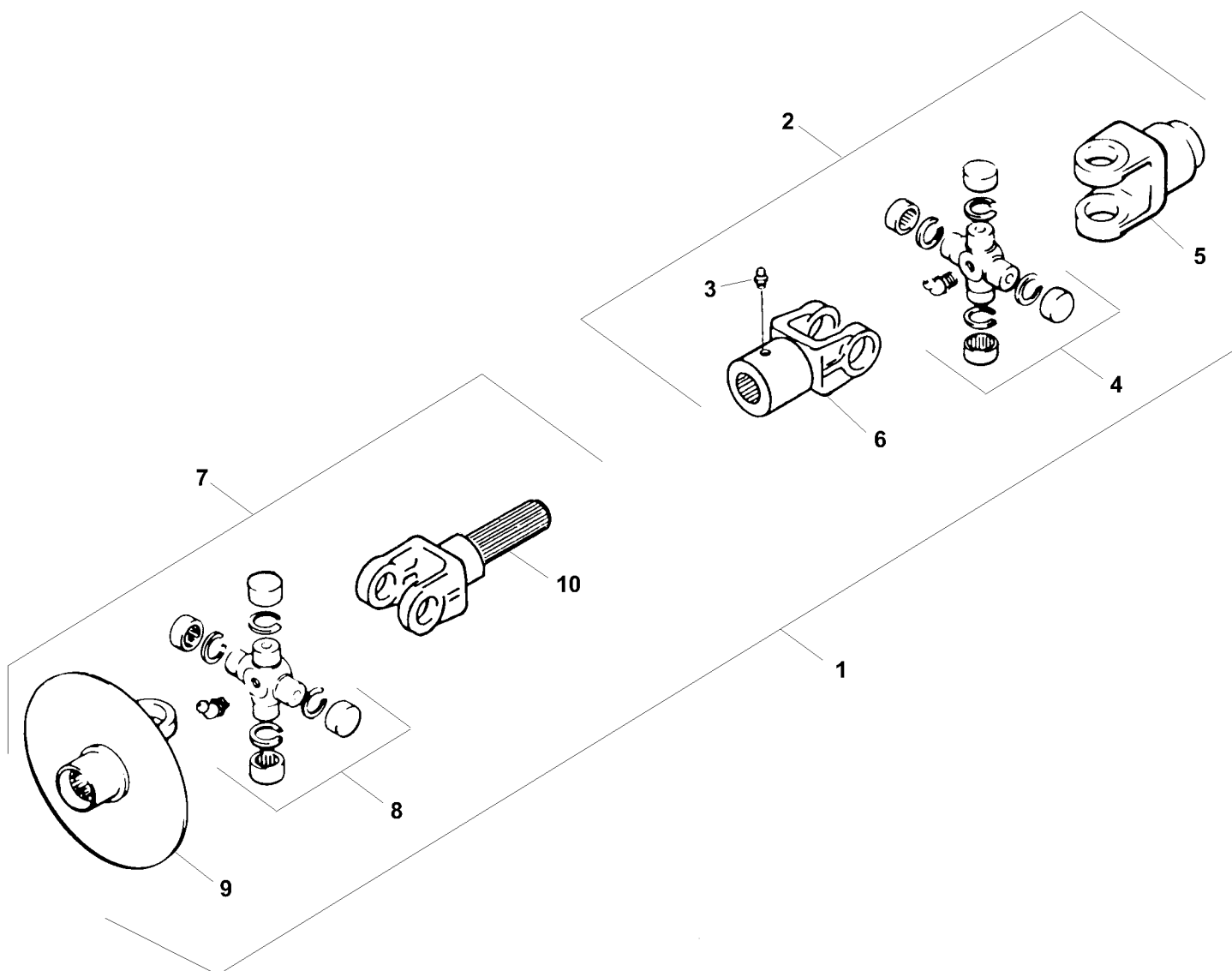
Ref. No.	Part No.	Description	No. Req'd	Notes
38	818226	•Plug	1	
39	879961	•Gear, worm	1	
40	814475	••Bearing cone, roller	2	
41	886706	••Slinger set, oil, complete	1	
42	885033	•Axle, RIGHT	1	
43	815403	••Bearing cone, roller	1	
44	827018	••Ring, backing	1	
45	885034	•Axle, LEFT	1	
46	815403	••Bearing cone, roller	1	
47	827018	••Ring, backing	1	
48	886204	•Housing, RIGHT	1	
49	812218	••Plate	1	
50	834979	••Plate, upstop	1	
51	887187	••U-bolt, (2-inch) w/nuts	1	
52	548061	•••Nut, 7/16–20 lock	2	
53	887188	••U-bolt, (2 1/2-inch) w/nuts	1	
54	548061	•••Nut, 7/16–20 lock	2	
55	886205	•Housing, LEFT	1	
56	812218	••Plate	1	
57	827486	••Valve, breather	1	
58	834979	••Plate, upstop	1	
59	887187	••U-bolt, (2-inch) w/nuts	1	
60	548061	•••Nut, 7/16–20 lock	2	
61	887188	••U-bolt (2 1/2-inch) w/nuts	1	
62	548061	•••Nut, 7/16–20	2	
63	879962	•Gear, carrier	1	
64	306555	••Screw, 5/16–18 x 3/4"	2	
65	386767	••Bearing cone, carrier	2	
66	814481	••Gear, axle shaft	2	
67	814482	••Gear, differential planet	4	
68	814483	••Spacer	4	
69	814484	••Spacer	1	
70	815794	••Plate, locking	3	
71	816812	••Screw, special	6	
72	816823	••Plate, retainer	2	
73	816824	••Plate, locking	2	
74	816825	••Shaft, differential gear	4	
75	814204	••Gear, worm	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY



Ref. No.	Part No.	Description	No. Req'd	Notes
1	800294	Nut, 7/16–14, centerlock	8	
2	807439	Fitting, lubrication, 1/4–28	4	
3	812218	Plate	2	
4	813850	Bumper, rubber	2	
5	828946	Bushing	6	
6	828948	Screw, shackle	4	
7	839939	Shackle, spring	2	
8	834979	Upstop	2	
9	885465	Spring, rear leaf	2	
10	887187	U-bolt, 2" (51mm) w/nuts	2	
11	548061	●Nut, 7/16–20	2	
12	887188	U-bolt, 2 1/2" (64mm) w/nuts	2	
13	548061	●Nut, 7/16–20	2	
14	308091	Washer, 1/2"	1	
15	311396	Screw, 7/16–14 x 2 1/4"	3	
16	807332	Absorber, shock	4	
17	823621	Bushing	4	
18	825500	Washer, cupped	8	

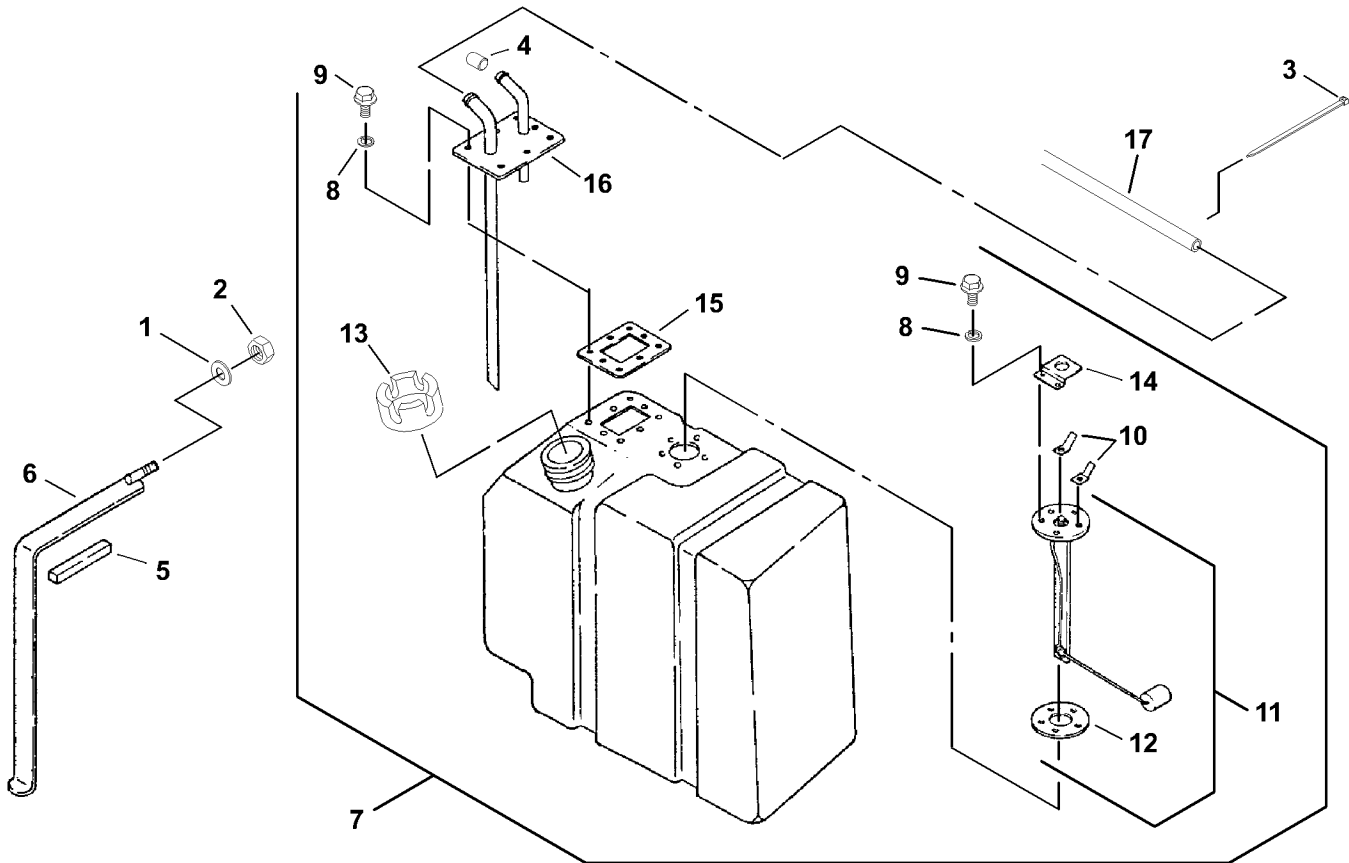
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY



Ref. No.	Part No.	Description	No. Req'd	Notes
1	892736	Drive shaft, complete	1	
2	892649	•U-joint, shaft and yoke, REAR	1	
3	807439	••Fitting, lubrication, 1/4-28, straight	1	
4	826284	••Kit, drive shaft repair	1	
5	826285	••Yoke	1	
6	840245	••Yoke and shaft, splined	1	
7	892734	•U-joint shaft, disk and yoke, FRONT	1	
8	826284	••Kit, drive shaft repair	1	
9	885783	••Yoke and disc	1	
10	892650	••Yoke and shaft	1	

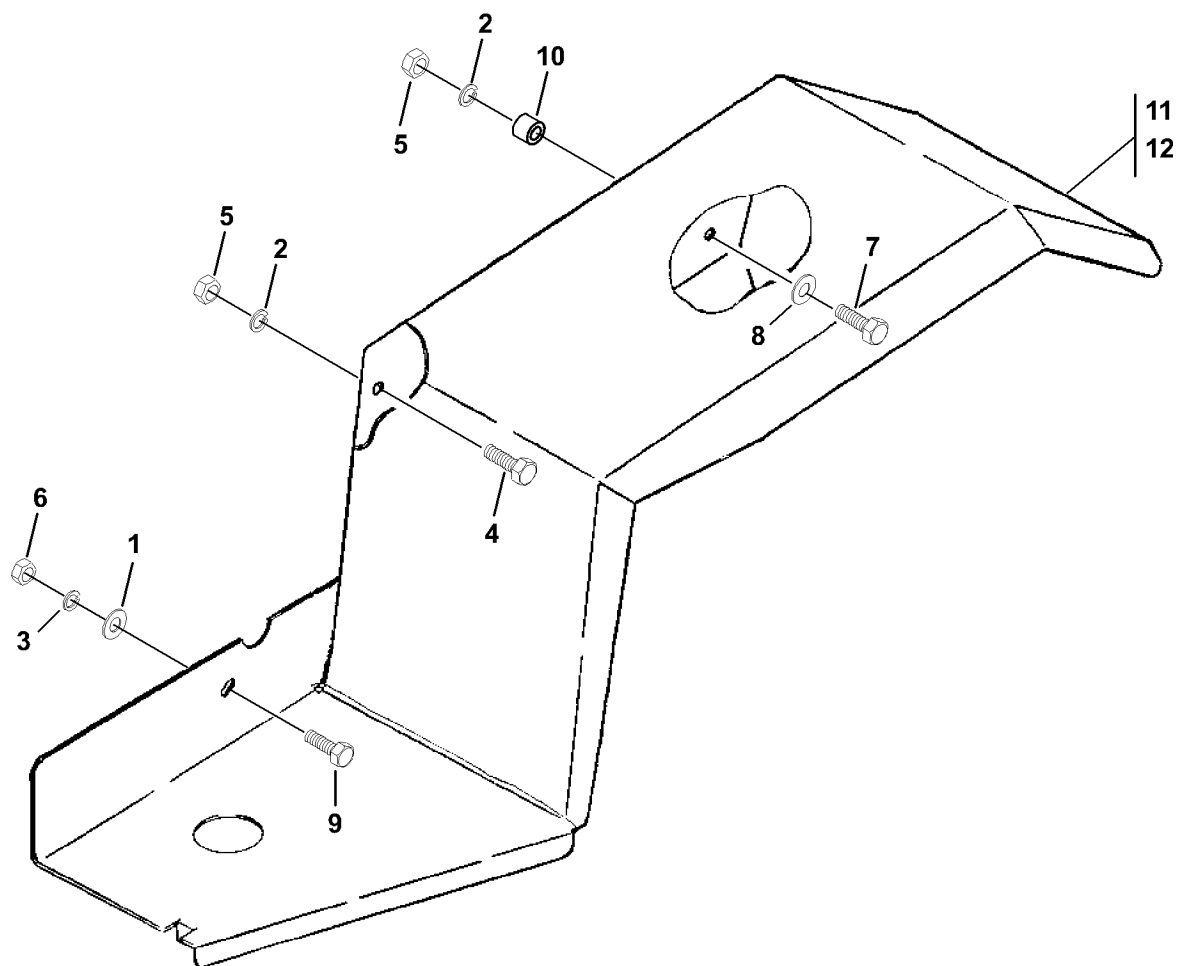
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.20 FUEL TANK



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	1	
2	306320	Nut, 5/16-24	2	
3	320107	Tie strap, 7" (178 mm)	4	
4	845224	Cap, vapor line	1	
5	834005	Seal, foam	1	
6	888755	Strap, fuel tank	1	
7	889608	Fuel tank, complete	1	
8	120052	•Lockwasher, #10	13	
9	800021	•Screw, #10-32 x 1/2" P.T.H.	13	
10	829787	•Terminal, 45D male	2	
11	833057	•Sender, fuel level	1	
12	829954	••Gasket	1	
13	833790	•Cap, fuel	1	
14	833953	•Cover, fuel sender	1	
15	835808	•Gasket	1	
16	889470	•Pickup, fuel	1	
17	830425	Hose, fuel, 1/4" (6.35mm) ID	As Req'd	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

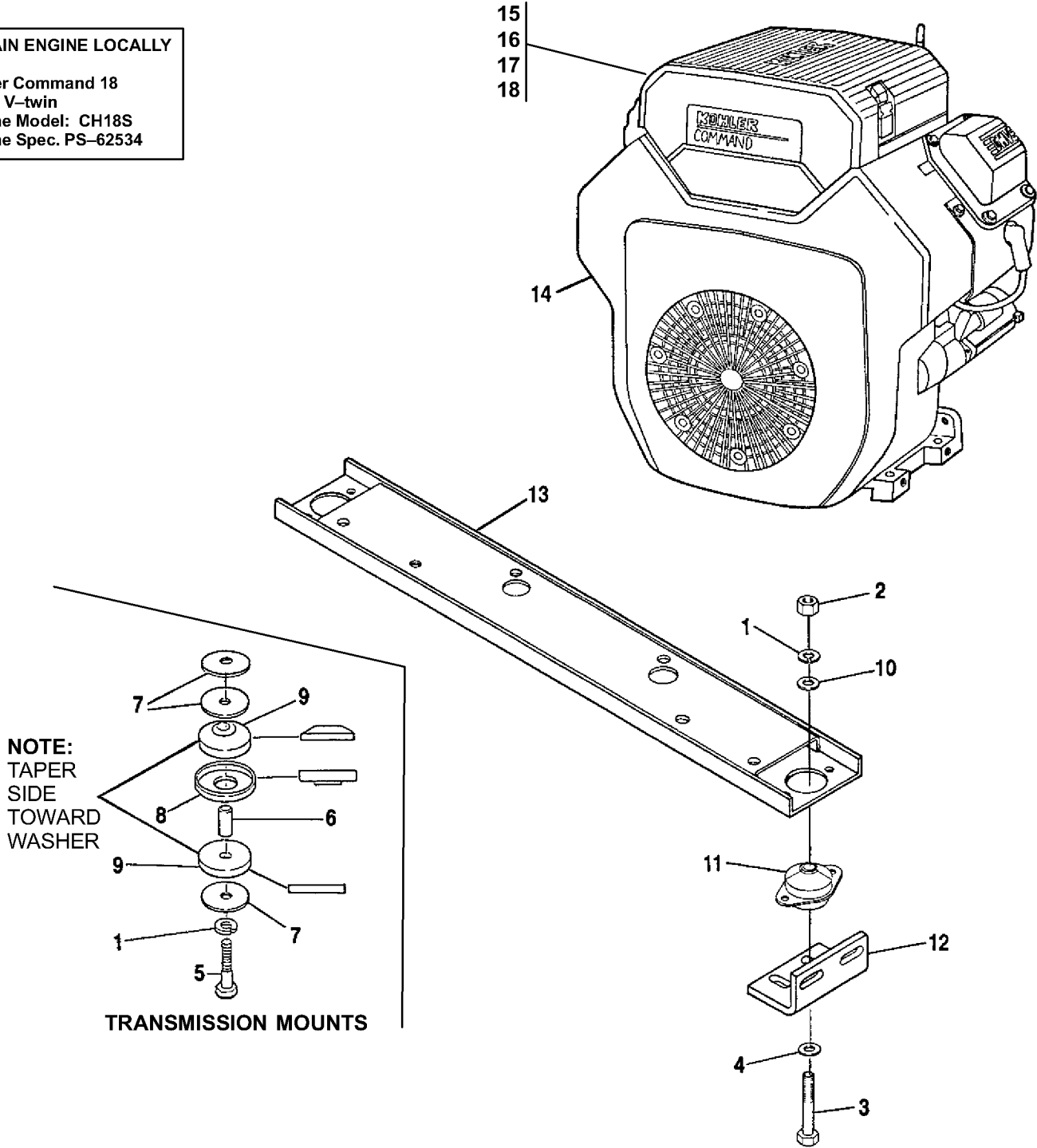


Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 11/32"	1	
2	120177	Lockwasher, 3/8"	8	
3	306325	Lockwasher, 5/16"	1	
4	306414	Screw, 3/8-16 x 1"	4	
5	306562	Nut, 3/8-16	8	
6	306932	Nut, 5/16-18	1	
7	551094	Screw, 3/8-16 x 1 3/4"	4	
8	604174	Washer	4	
9	800177	Screw, 5/16-18 x 3/4"	1	
10	833135	Spacer	2	
11	833875	Fender, RIGHT	1	
12	833876	Fender, LEFT	1	

15.22 ENGINE

OBTAIN ENGINE LOCALLY

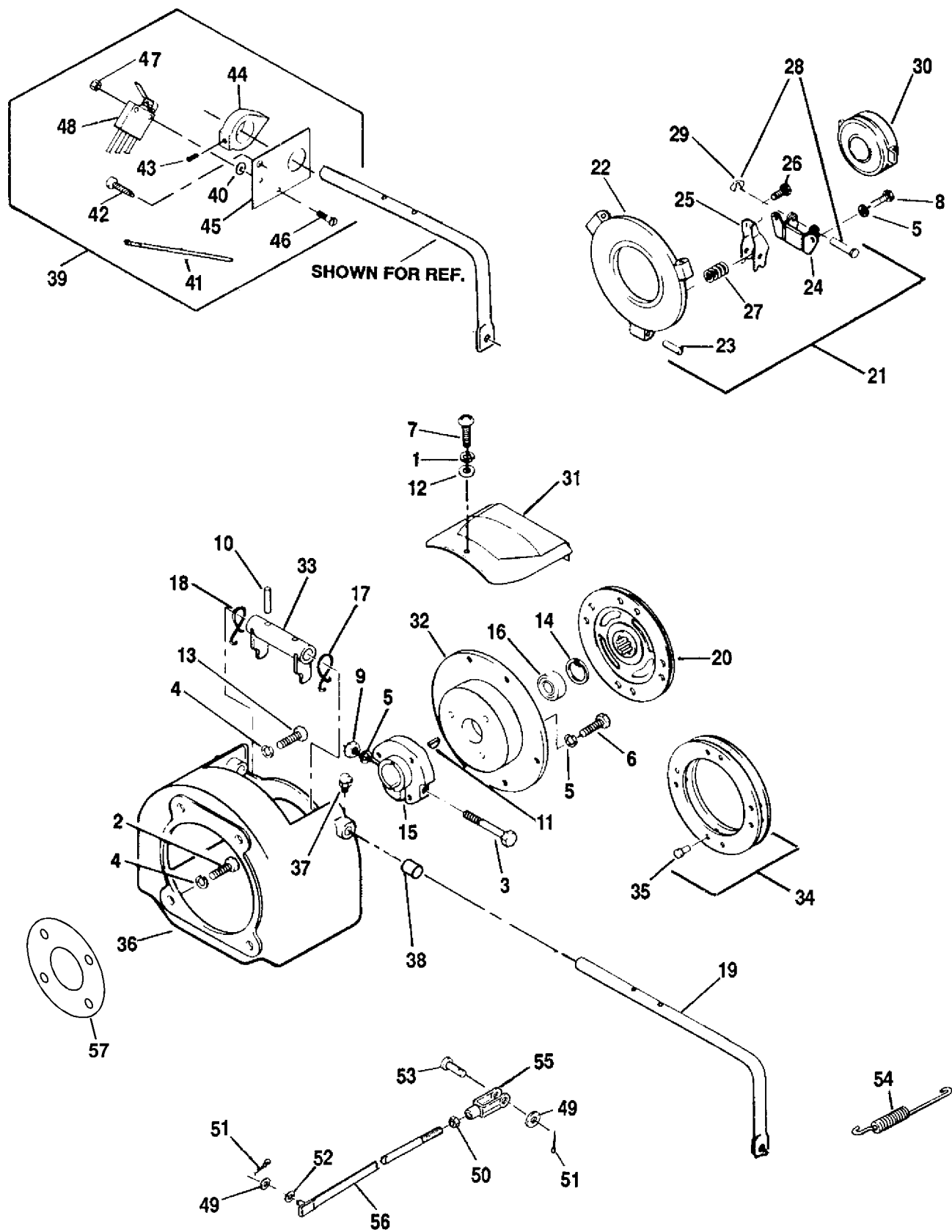
Kohler Command 18
18hp, V-twin
Engine Model: CH18S
Engine Spec. PS-62534



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120177	Lockwasher, 3/8"	4	
2	306562	Nut, 3/8-16	2	
3	306836	Screw, 3/8-16 x 2 1/4"	2	
4	306981	Washer, 3/8"	2	
5	311213	Screw, 3/8-16 x 3"	2	
6	808959	Spacer	2	
7	809174	Washer, 13/32"	6	
8	809242	Retainer	2	
9	823765	Mount, rubber	4	
10	825318	Washer	2	
11	826218	Mount, motor	2	
12	839902	Bracket, channel	2	
13	892380	Channel	1	
14		Engine, Kohler 18 H.P.	1	Obtain engine locally.
15	842502	Filter, oil	1	Not illustrated.
16	842504	Filter, fuel	1	Not illustrated.
17	842510	Filter, air	1	Not illustrated.
18	842514	Spark plug	2	Not illustrated.

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

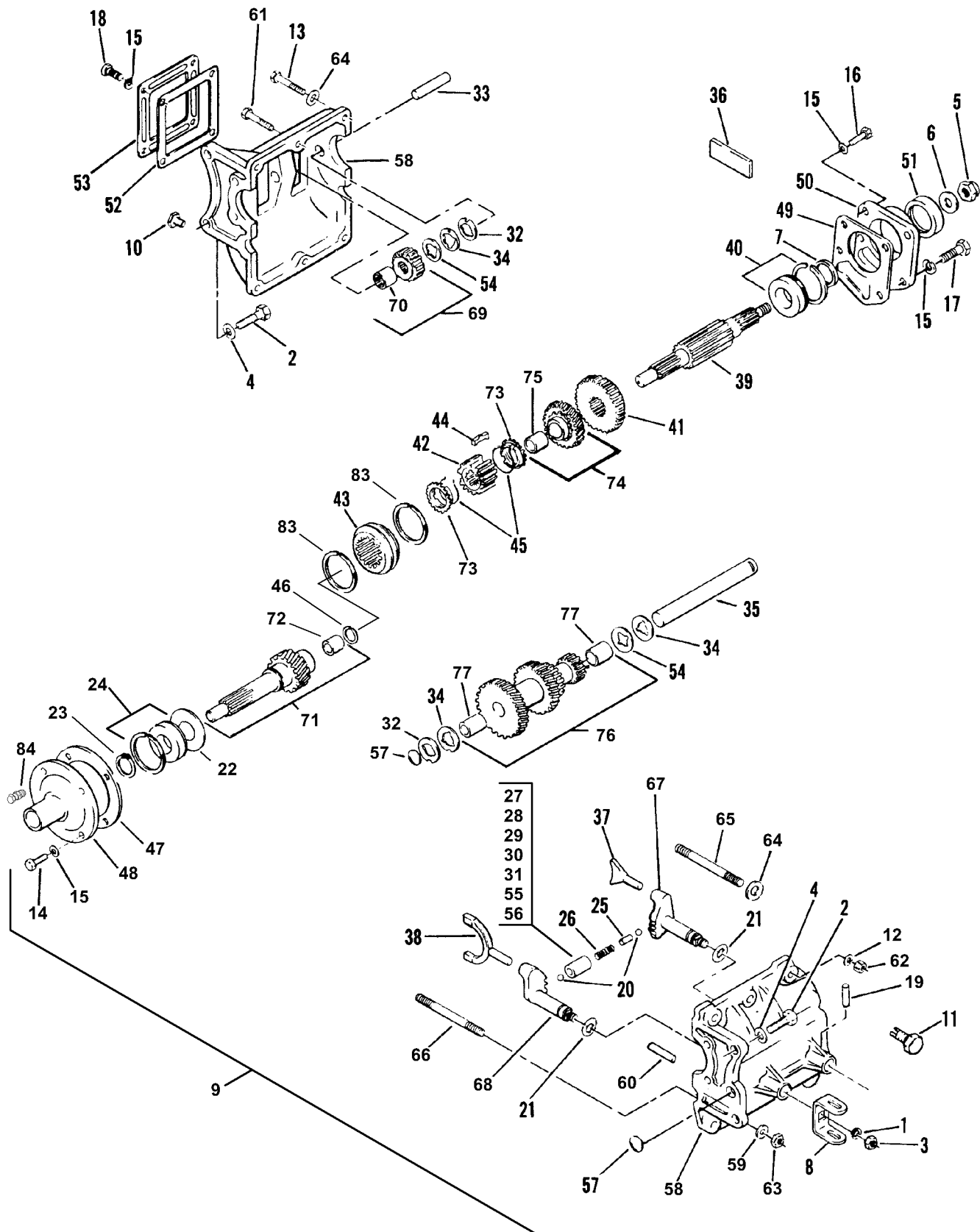
15.23 CLUTCH



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	1	
2	130538	Screw, 7/16-14 x 1 1/4"	2	
3	131590	Screw, 5/16-18 x 3"	1	
4	303269	Lockwasher, 7/16"	4	
5	306325	Lockwasher, 5/16"	10	
6	306416	Screw, 5/16-18 x 1"	3	
7	306460	Screw, #10-24 x 3/8"	1	
8	306555	Screw, 5/16-18 x 5/8"	6	
9	306932	Nut, 5/16-18	1	
10	306971	Pin, roll, 3/16 x 1 1/8"	2	
11	307662	Key, #15, woodruff	1	
12	308089	Washer, #10	1	
13	328018	Screw, 7/16-14 x 1 1/8"	2	
14	809260	Ring, snap	1	
15	812896	Adapter	1	
16	812899	Bearing, pilot	1	
17	812902	Spring	1	
18	812903	Spring	1	
19	812904	Lever, clutch throwout	1	
20	812906	Disc, driven	1	
21	812907	Plate, pressure, complete	1	
22	812911	•Plate, pressure	1	
23	812912	•Pin	3	
24	812913	•Bracket	3	
25	812916	•Lever	3	
26	812917	•Screw	3	
27	879552	•Spring set (contains 3)	1	
28	883705	•Pin set	1	
29	823602	••Ring, retaining	3	
30	812908	Bearing, throwout	1	
31	812988	Cover, clutch	1	
32	878853	Plate, clutch mounting	1	
33	878854	Yoke, clutch release	1	
34	878856	Lining set	1	
35	800222	•Rivet	8	
36	887044	Housing, clutch	1	
37	807442	•Fitting, lubrication, 90°	2	
38	831000	•Bushing	2	
39	890809	Kit, clutch switch	1	
40	308404	•Washer, 1/8"	2	
41	320107	•Tie, 7" (178 mm)	2	
42	548020	•Screw, #10-16 x 5/8", tapping	1	
43	800225	•Screw, #10-24 x 1/4", set	1	
44	837531	•Cam	1	
45	837533	•Plate, mounting	1	
46	888503	•Service screw kit	1	Includes 2, #4-40 x 1 3/4" screws
47	800587	••Nut, #4-40 w/washer	2	
48	890808	•Switch	1	
49	103867	Washer, 5/16"	2	
50	306319	Nut, 3/8-24	1	
51	306328	Pin, cotter, 3/32 x 3/4"	2	
52	800254	Washer, spring	1	
53	814079	Pin, clevis	1	
54	825918	Spring, extension	1	
55	831297	Yoke	1	
56	888761	Rod, control	1	
57	839839	Plate, engine center	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.24 DRIVE TRANSMISSION

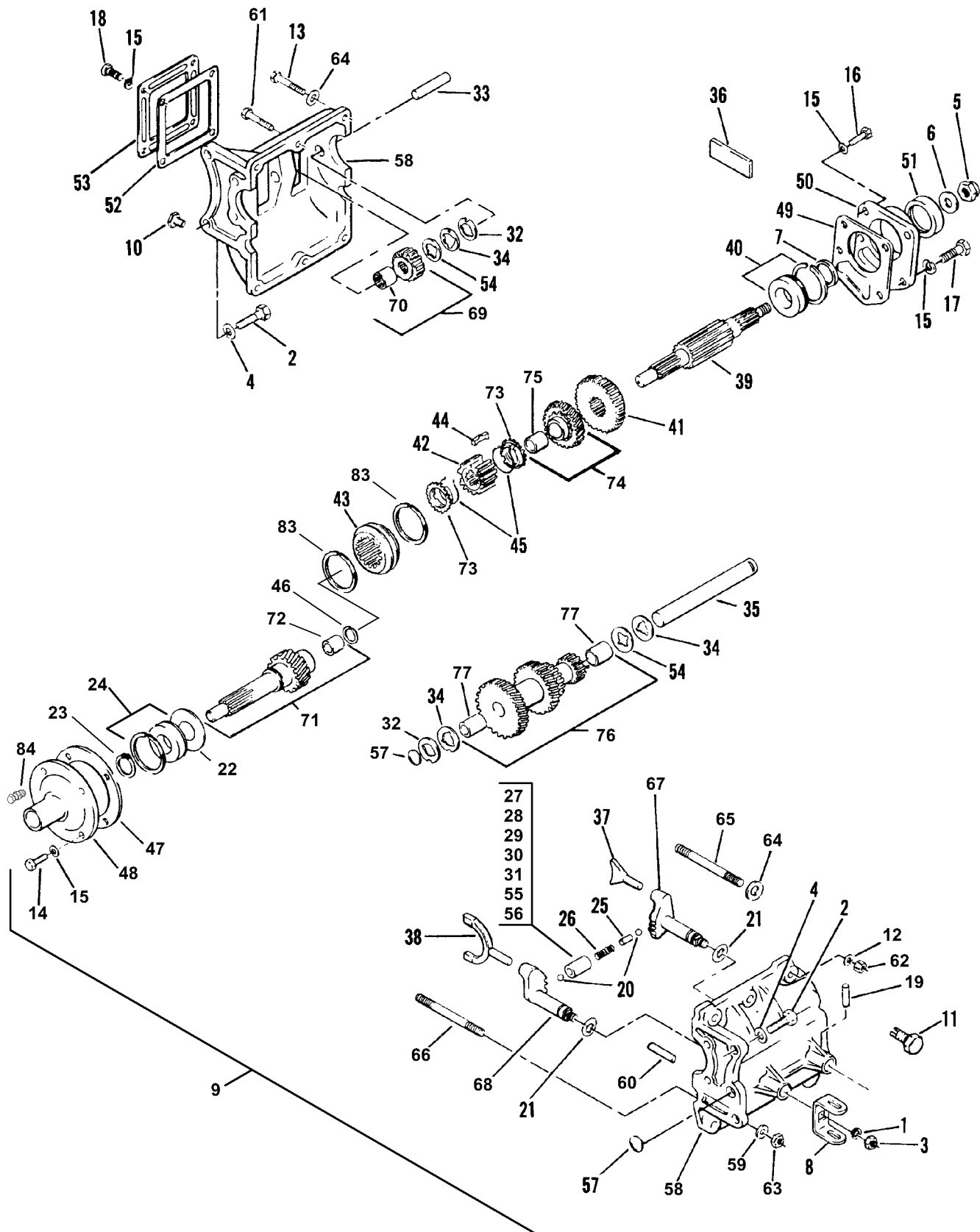


893361

Ref. No.	Part No.	Description	No. Req'd	Notes
1	120166	Lockwasher, 1/2	2	
2	130538	Screw, 7/16-14 x 1 1/4	4	
3	301988	Nut, 1/2-20	2	
4	303269	Lockwasher, 7/16	4	
5	800198	Nut, lock, 1/2-20	1	
6	809180	Washer	1	
7	815180	Spacer	1	
8	833743	Link, shifter	2	
9	880572	Transmission, complete	1	
10	111071	•Plug, filler	1	
11	111074	•Plug, magnetic drain	1	
12	120177	•Lockwasher, 3/8	7	
13	301431	•Screw, 3/8-16 x 2 1/2	1	
14	306322	•Screw, 5/16-18 x 7/8	4	
15	306325	•Lockwasher, 5/16	9	
16	306416	•Screw, 5/16-18 x 1	1	
17	306435	•Screw, 5/16-18 x 1 1/4	3	
18	306450	•Screw, 5/16-18 x 3/4		
19	603102	•Pin, spirol, 1/8 x 1 1/4	2	
20	800131	•Ball, 5/16, steel	2	
21	807624	•'O' ring	2	
22	809211	•Slinger, oil	1	
23	809254	•Ring, retaining	1	
24	814627	•Bearing, ball w/retaining ring	1	
25	815137	•Pin	1	
26	815138	•Spring	1	
27	815139	•Sleeve, interlock, 1.259" (32mm)	1	
28	815140	•Sleeve, interlock, 1.255" (31.9mm)	1	
29	815141	•Sleeve, interlock, 1.251" (31.8mm)	1	
30	815142	•Sleeve, interlock, 1.247" (31.7mm)	1	
31	815143	•Sleeve, interlock, 1.243" (31.6mm)	1	
32	815150	•Washer, thrust, .024" (.6mm)	2	
33	815151	•Shaft, reverse idler	1	
34	815154	•Washer, thrust, .036" (.91mm)	3	
35	836225	•Jackshaft	1	
36	815156	•Plate, locking	1	
37	815157	•Fork, low & reverse shifter	1	
38	815158	•Fork, second & high shifter	1	
39	835910	•Shaft, main	1	
40	815160	•Bearing, ball	1	

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15.24 DRIVE TRANSMISSION

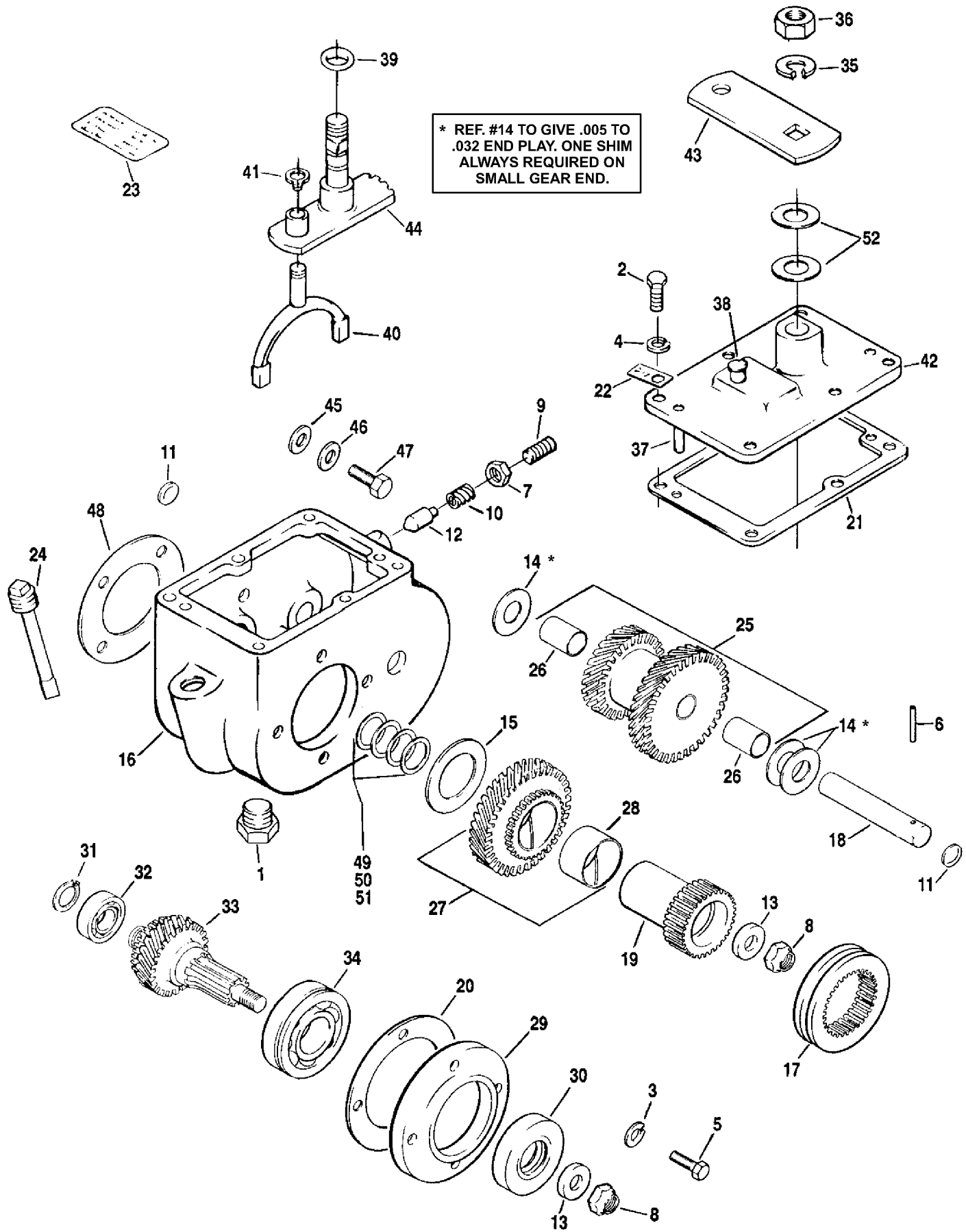


893361

Ref. No.	Part No.	Description	No. Req'd	Notes
41	815161	•Gear, low & reverse	1	
42	815165	•Hub, second & high, clutch	1	
43	815166	•Sleeve, second & high, clutch	1	
44	815167	•Plate, shifting	3	
45	815168	•Spring	2	
46	815169	•Ring, retaining	1	
47	815173	•Gasket, front bearing	1	
48	815174	•Retainer, front bearing	1	
49	815175	•Gasket, rear bearing	1	
50	815176	•Retainer, rear bearing	1	
51	815177	•Seal, oil	1	
52	815178	•Gasket, P.T.O.	1	
53	815179	•Plate, P.T.O.	1	
54	816503	•Washer, thrust, .048" (1.2mm).	As Req'd.	
55	822238	•Sleeve, interlock, 1.263" (32.1mm)	1	
56	822239	•Sleeve, interlock, 1.267" (32.2mm)	1	
57	823544	•Plug, expansion	2	
58	879798	•Case, transmission, complete	1	
59	103867	••Washer, 5/16	1	
60	305070	••Pin, taper	2	
61	131794	••Screw, 3/8–16 x 2	6	
62	306562	••Nut, 3/8–16	7	
63	306932	••Nut, 5/16–18	1	
64	306981	••Washer, 3/8	7	
65	815133	••Stud	1	
66	815134	••Stud	1	
67	879799	•Lever, shift, low & reverse	1	
68	879800	•Lever, shift, second & high	1	
69	879801	•Gear, reverse idle, complete	1	
70	548080	••Bearing, needle	1	
71	879804	•Gear, main drive, complete	1	
72	815171	••Bearing, needle	1	
73	888029	•Ring, synchronizer, blocking	2	
74	889525	•Gear, second, complete	1	
75	832233	••Bearing, needle	1	
76	889526	•Gear, cluster	1	
77	548080	••Bearing, needle	1	
78	815164	•Ring	2	
79	841285	Pivot, clutch release	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.25 AUXILIARY TRANSMISSION

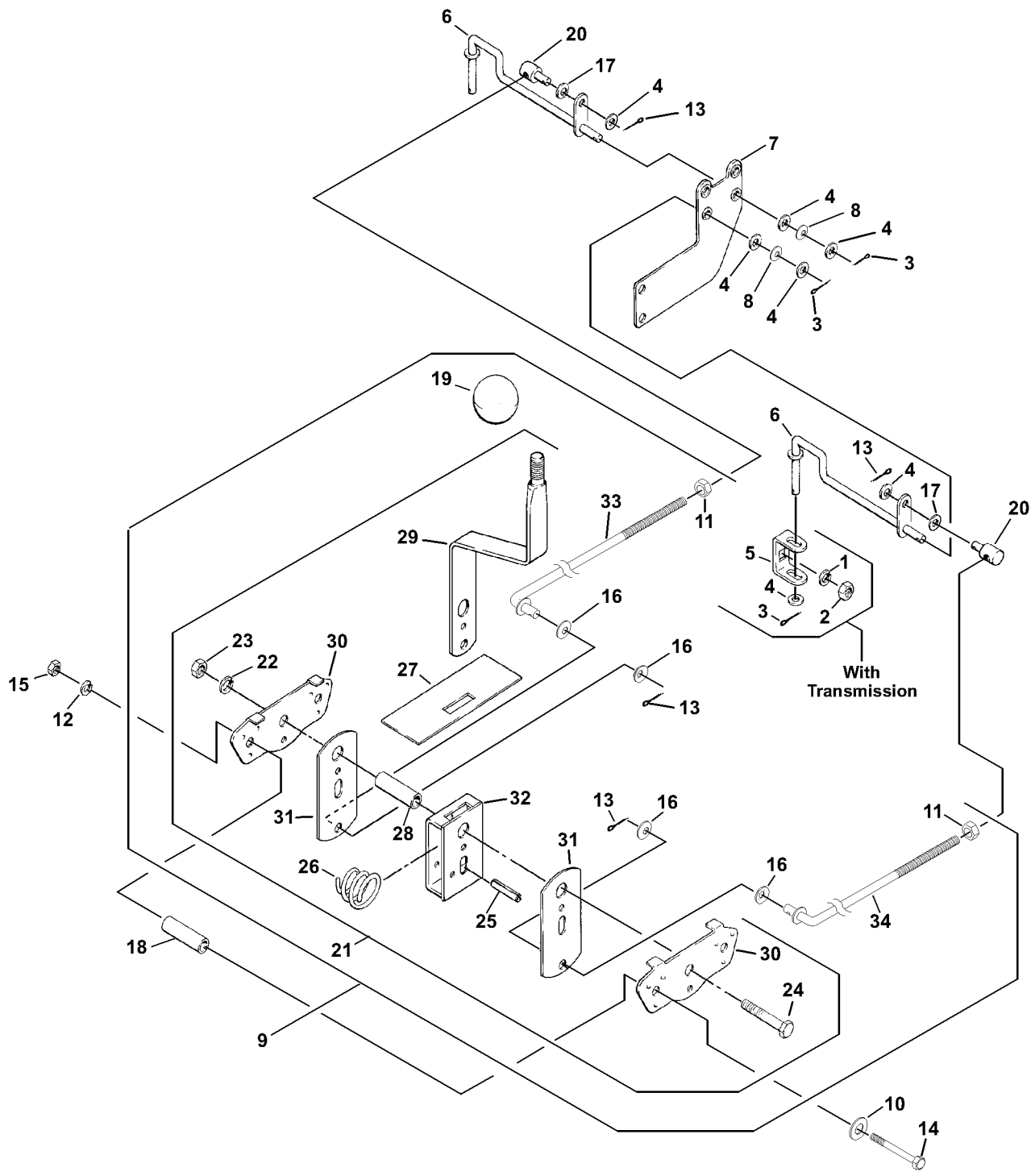


AUXILIARY TRANSMISSION 15.25

Ref. No.	Part No.	Description	No. Req'd	Notes
	887893	Transmission, auxiliary, complete	1	Use as required
1	111071	•Plug, oil drain	1	
2	300646	•Screw, 1/4–20 x 3/4"	6	
3	306325	•Lockwasher, 5/16"	4	
4	306396	•Lockwasher, 1/4"	6	
5	306416	•Screw, 5/16–18 x 1"	4	
6	307785	•Pin, roll, 5/32 x 1 1/4"	1	
7	603773	•Nut, lock, 3/8–16	1	
8	800198	•Nut, crownlock, 1/2–20	2	
9	800468	•Screw, set, hex socket, 3/8–16 x 5/8"	1	
10	805407	•Spring	1	
11	805893	•Plug, expansion	2	
12	807366	•Button, positioning	1	
13	809180	•Washer, special	2	
14	811992	•Shim, cluster gear	4	
15	811993	•Bearing	1	
16	811994	•Case, transmission	1	
17	811996	•Collar, engaging	1	
18	811997	•Jackshaft	1	
19	811998	•Shaft, main	1	
20	811999	•Gasket	1	
21	812001	•Gasket	1	
22	832067	•Tag, ratio, 3.2:1	1	
23	832512	•Decal, information	1	
24	880145	•Indicator, oil level	1	
25	894519	•Gear, cluster, complete	1	
26	812004	••Bushing, cluster gear	2	
27	894886	•Gear, driven, complete	1	
28	812006	••Bushing, driven gear	1	
29	811995	•Retainer, bearing	1	
30	812335	•Seal, bearing	1	
31	809252	•Ring, retaining	1	
32	812009	•Bearing, drive gear pilot	1	
33	812007	•Gear, drive	1	
34	812008	•Bearing, ball w/retaining ring	1	
35	120166	•Lockwasher, 1/2"	1	
36	130541	•Nut, 1/2–20	1	
37	806711	•Pin, dowel	2	
38	2702167	•Cover, oil hole	1	
39	807624	•O–ring	1	
40	812010	•Fork, shifter	1	
41	812011	•Ring, retaining	1	
42	835028	•Cover, top shifter	1	
43	835572	•Arm, transmission shifter	1	
44	889114	•Arm, shifter	1	
45	553542	Washer, special	4	
46	306405	Washer, 3/8"	4	
47	131794	Screw, 3/8–16 x 2"	4	
48	828044	Gasket, pinion flange	1	
49	815697	Shim, main shaft (.005)	As Req'd	
50	815698	Shim, main shaft (.010)	As Req'd	
51	815699	Shim, main shaft (.030)	As Req'd	
52	805307	Shim	2	Use one or two as required

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

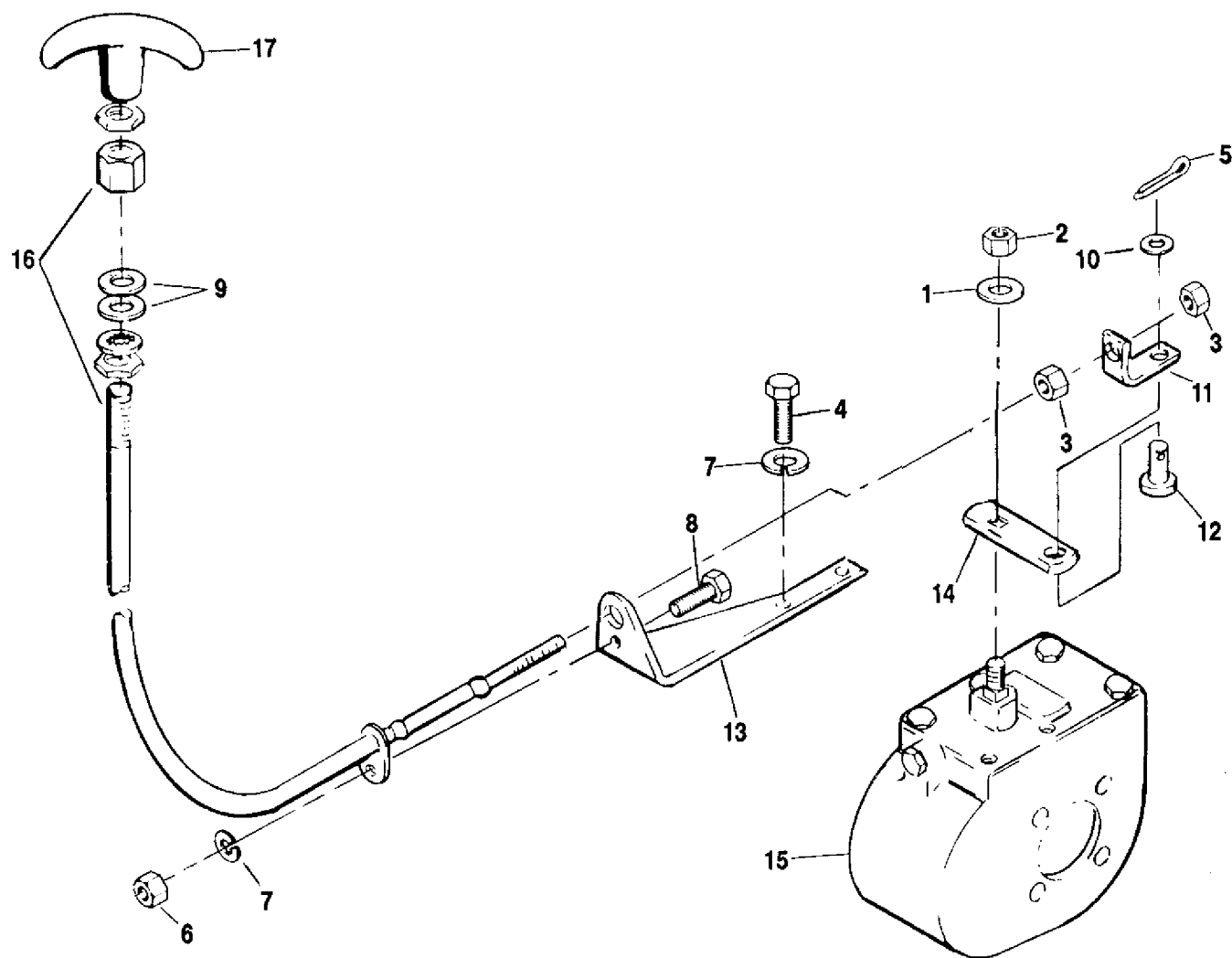
15.26 SHIFTER LINKAGE



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120166	Lockwasher, 1/2	2	
2	301988	Nut, 1/2-20	2	
3	306328	Pin, cotter, 3/32 x 3/4	4	
4	306981	Washer, 3/8	8	
5	833743	Link, shifter	2	
6	888694	Link, shifter, Low & Reverse	2	
7	888697	Plate, shifter pivot	1	
8	800254	Washer, spring	2	
9	892463	Shifter Assy. Complete	1	
10	103867	•Washer, 5/16	2	
11	306319	•Nut, 3/8-16	2	
12	306325	•Lockwasher, 5/16	2	
13	306328	•Pin, cotter, 3/32 x 3/4	4	
14	306464	•Screw, 5/16-18 x 2 1/2	2	
15	306932	•Nut, 5/16-18	2	
16	306981	•Washer, 3/8	2	
17	800254	•Washer, wave, 3/8	4	
18	838900	•Bushing	2	
19	838909	•Ball	1	
20	839181	•Pin, rod connecting	2	
21	891951	•Selector, gear, complete	1	
22	303269	••Lockwasher, 7/16	1	
23	304364	••Nut, 7/16-14	1	
24	315627	••Screw, 7/16-14 x 2 1/2	1	
25	800801	••Pin, roll 3/8 x 1 3/8	1	
26	825538	••Spring	1	
27	825831	••Plate, slide	1	
28	838900	••Bushing	1	
29	838901	••Lever, shifter	1	
30	838902	••Plate, shifter	2	
31	838903	••Arm, shifter	2	
32	891949	••Housing, shifter	1	
33	892116	•Rod, shifter, Low & Reverse	1	
34	892117	•Rod, shifter, Second & High	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.27 AUXILIARY SHIFTER LINKAGE

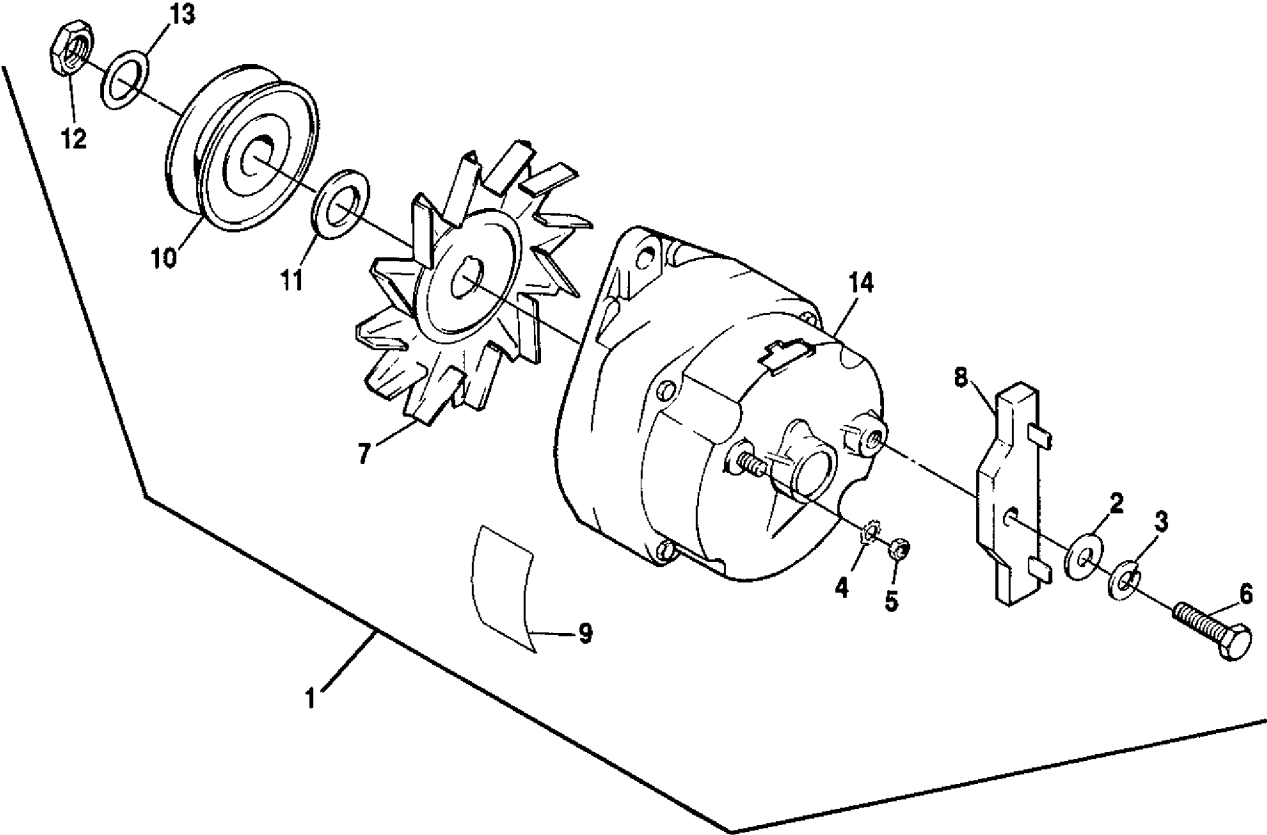


AUXILIARY SHIFTER LINKAGE 15.27

Ref. No.	Part No.	Description	No. Req'd	Notes
1	120166	Lockwasher, 1/2"	1	
2	130541	Nut, 1/2-20	1	
3	132520	Nut, #10-32	2	
4	300646	Screw, 1/4-20 x 3/4"	2	
5	306328	Pin, cotter, 3/32 x 3/4"	1	
6	306375	Nut, 1/4-20	1	
7	306396	Lockwasher, 1/4"	2	
8	306487	Screw, 1/4-20 x 5/8"	1	
9	306981	Washer, 3/8"	2	
10	308090	Washer, 1/4"	1	
11	808689	Bracket	1	
12	813379	Pin	1	
13	834751	Bracket	1	
14	835572	Arm, auxiliary transmission	1	
15	887893	Auxiliary transmission, complete	1	
16	893067	Cable, control	1	
17	834996	•Knob, pull	1	

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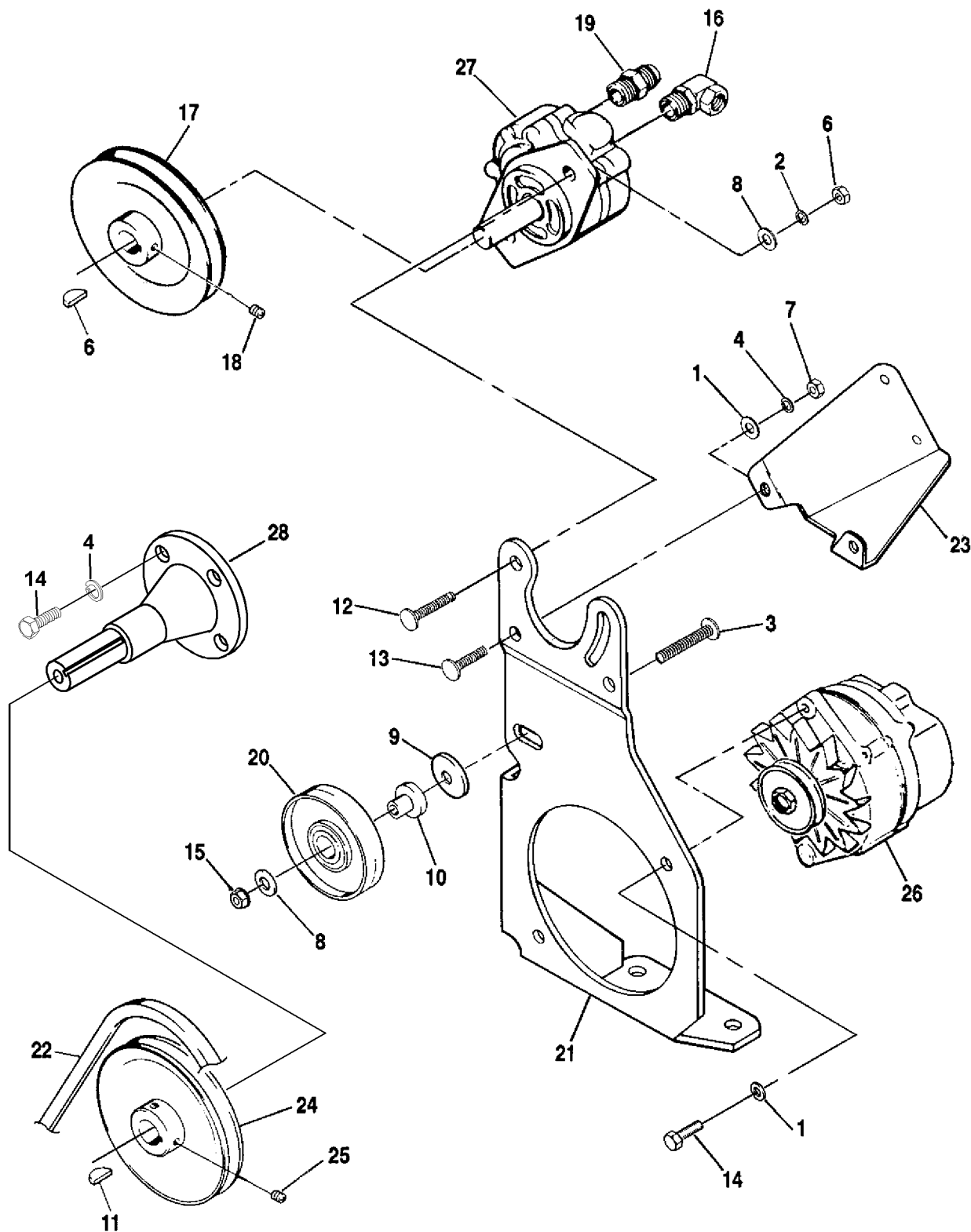
15.28 ALTERNATOR



Ref. No.	Part No.	Description	No. Req'd	Notes
1	893371	Alternator, complete	1	
2	103867	•Washer, 5/16"	1	
3	306325	•Lockwasher, 5/16"	1	
4	306909	•Lockwasher, #12	1	
5	800413	•Nut, M6–1.25 grade 8	1	
6	800414	•Screw, M8–1.25 x 30mm, grade 8	2	
7	816867	•Fan	1	
8	823689	•Resistor	1	
9	826468	•Decal	1	
10	830377	•Pulley	1	
11	830378	•Spacer	1	
12		•Nut, Delco #1915172	1	Obtain from Delco dealer
13		•Washer, Delco #1941978	1	Obtain from Delco dealer
14		•Alternator	1	Not offered separately

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.29 ALTERNATOR MOUNTING



ALTERNATOR MOUNTING 15.29

Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	4	
2	120177	Lockwasher, 3/8"	2	
3	131794	Screw, 3/8–16 x 2"	1	
4	306325	Lockwasher, 5/16"	6	
5	306560	Key, #5 woodruff	1	
6	306562	Nut, 3/8–16	2	
7	306932	Nut, 5/16–18	2	
8	306981	Washer, 3/8"	3	
9	515390	Retainer	1	
10	523100	Bushing	1	
11	553046	Key, #3 woodruff	1	
12	800073	Bolt, carriage, 3/8–16 x 1 1/4"	2	
13	800085	Bolt, carriage, 5/16–18 x 1"	2	
14	800538	Screw, M8–1.25 x 25 mm	6	
15	800698	Nut, 3/8–16 crownlock flange	1	
16	827395	Fitting, 90° adapter	1	
17	828100	Pulley, 5 1/2" (140 mm)	1	
18	548201	•Screw, set, 5/16–18 x 5/16"	2	
19	832478	Fitting, hydraulic	1	
20	836447	Pulley	1	
21	839756	Mount, alternator & pump	1	
22	839802	Belt, V, 53 1/2" (1359 mm)	1	
23	839898	Bracket, alternator & pump	1	
24	839956	Pulley, 5 1/2" (140 mm)	1	
25	548201	•Screw, set, 5/16–18 x 5/16"	2	
26	893371	Alternator, complete	1	
27	888042	Pump, hydraulic	1	
28	840375	Extension, shaft	1	

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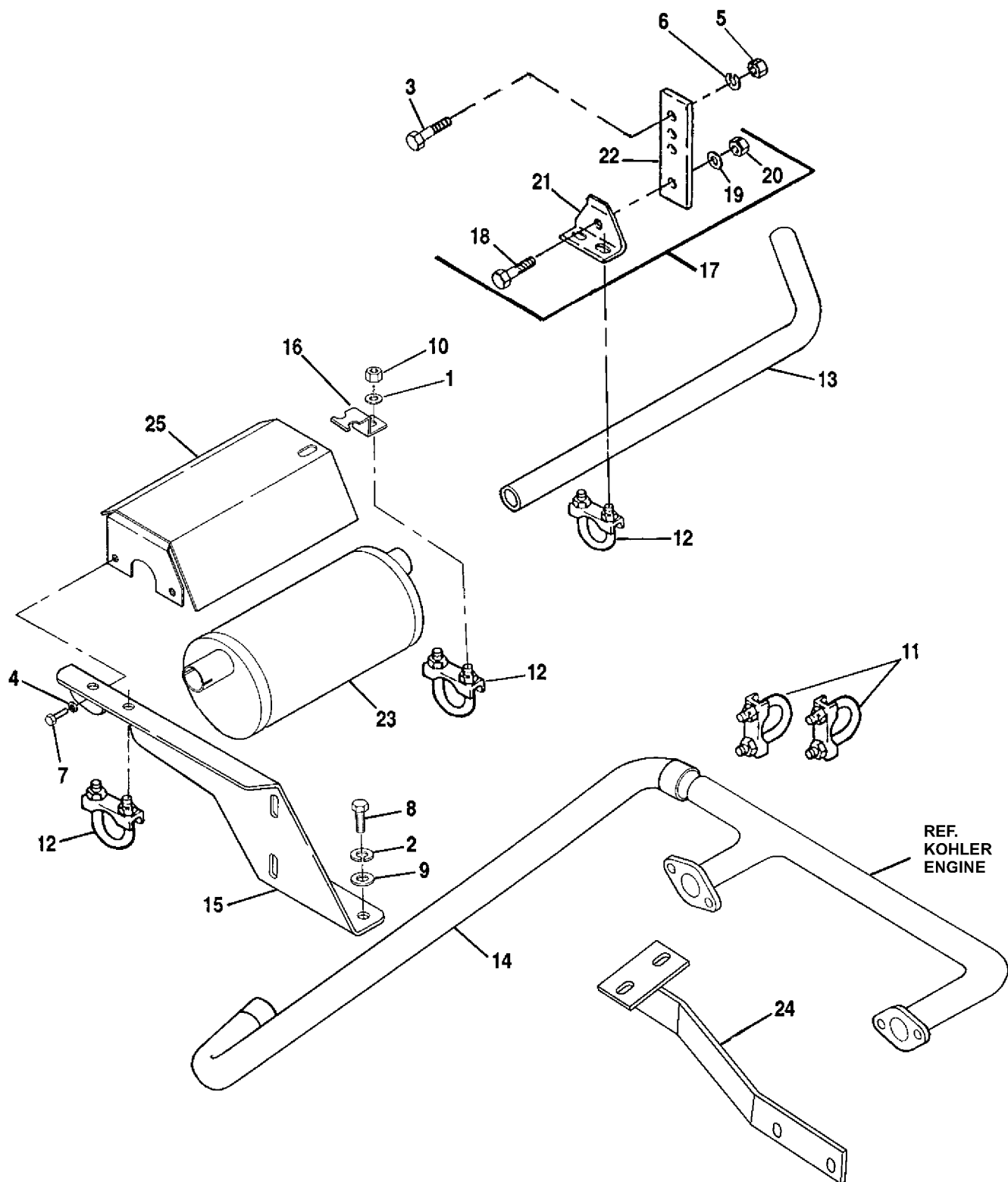


THROTTLE LINKAGE 15.30

Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	2	
2	120177	Lockwasher, 3/8"	1	
3	131794	Screw, 3/8-16 x 2"	1	
4	306320	Nut, 5/16-24	3	
5	306325	Lockwasher, 5/16"	3	
6	306328	Pin, cotter, 3/32 x 3/4"	1	
7	306414	Screw, 3/8-16 x 1"	1	
8	306450	Screw, 5/16-18 x 3/4"	2	
9	306562	Nut, 3/8-16	1	
10	306834	Screw, 3/8-16 x 3/4"	1	
11	306932	Nut, 5/16-18	2	
12	306981	Washer, 3/8"	3	
13	307785	Pin, roll, 5/32" x 1 1/4"	1	
14	308090	Washer, 1/4"	1	
15	521679	Bushing	1	
16	548973	Nut, #10-24 lock	2	
17	800254	Washer, spring	1	
18	800271	Screw, #10-24 x 1/2" P.T.H.	2	
19	800292	Nut, 3/8-16 centerlock	1	
20	805444	Spring, extension	1	
21	817104	Stop, wire	1	
22	823089	Spring	1	
23	825368	End, control rod	1	
24	830165	Bushing	1	
25	830799	Pin, connector	1	
26	833428	Pedal, throttle	1	
27	833600	Tread, pedal	1	
28	835270	Pad, throttle pedal	1	
29	839885	Rod, throttle	1	
30	839886	Link, throttle	1	
31	892792	Bracket, throttle cable	1	
32	892440	Arm, upper throttle	1	
33	892475	Plate, throttle pivot	1	
34	892798	Shaft, throttle	1	
35	813007	Bushing	1	

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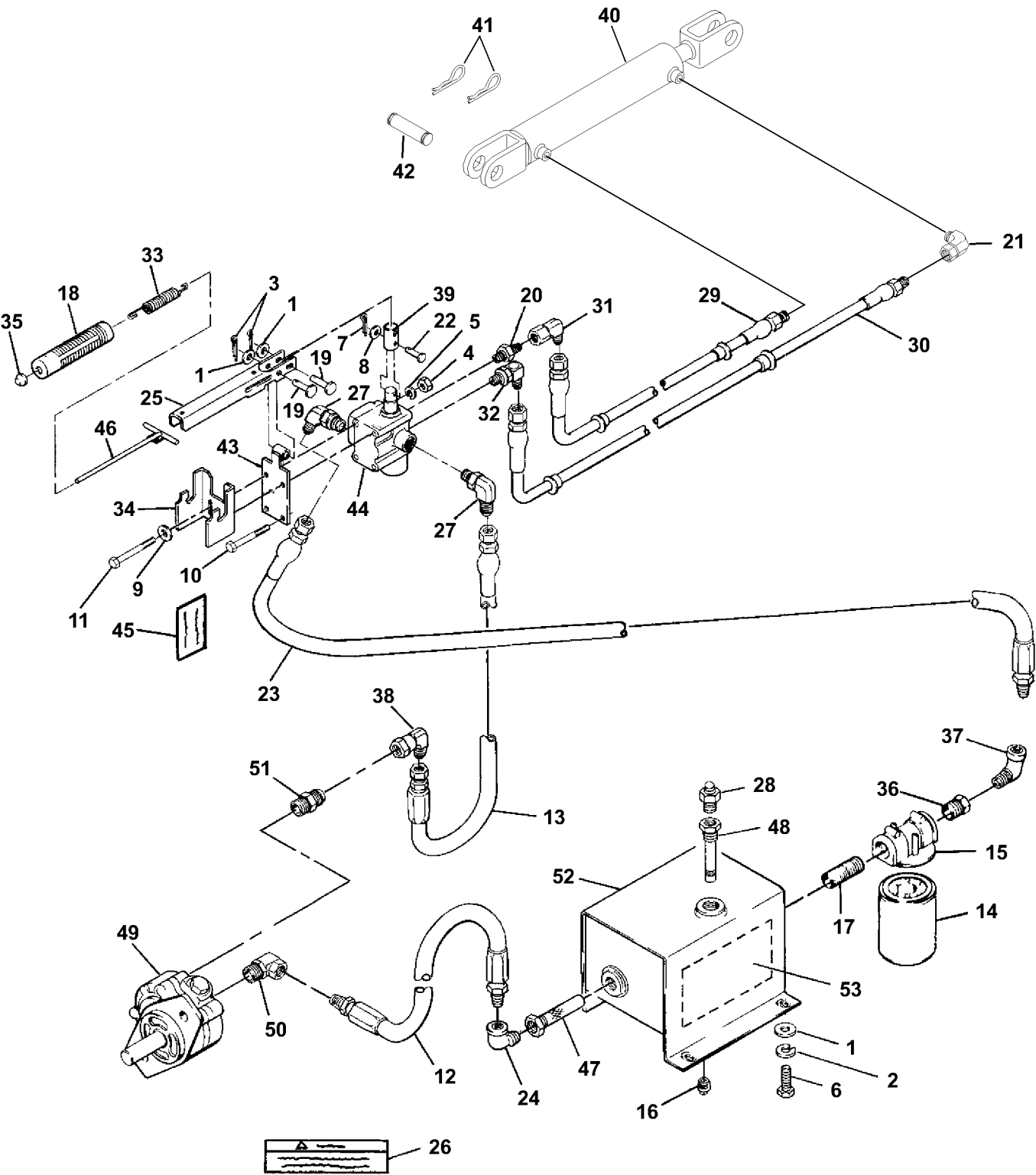
15.31 EXHAUST



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	1	
2	120177	Lockwasher, 3/8"	2	
3	302288	Screw, 1/4–20 x 1"	1	
4	306325	Lockwasher, 5/16"	2	
5	306375	Nut, 1/4–20	1	
6	306396	Lockwasher, 1/4"	1	
7	306555	Screw, 5/16–18 x 5/8"	2	
8	306834	Screw, 3/8–16 x 3/4"	2	
9	306981	Washer, 3/8"	2	
10	800290	Nut, 5/16–18 lock	1	
11	813688	Clamp, tubing	2	
12	818962	Clamp, tubing	3	
13	840709	Tailpipe	1	
14	840708	Tube, exhaust	1	
15	839899	Bracket, muffler	1	
16	839906	Support, heat shield, rear	1	
17	887175	Hanger, muffler	1	
18	306322	•Screw, 5/16–18 x 7/8"	1	
19	548159	•Washer, 5/16	1	
20	800290	•Nut, 5/16–18 lock	1	
21	831603	•Bracket	1	
22	831604	•Strap, tailpipe hanger	1	
23	890164	Muffler	1	
24	891929	Support, exhaust	1	
25	892442	Shield, heat	1	

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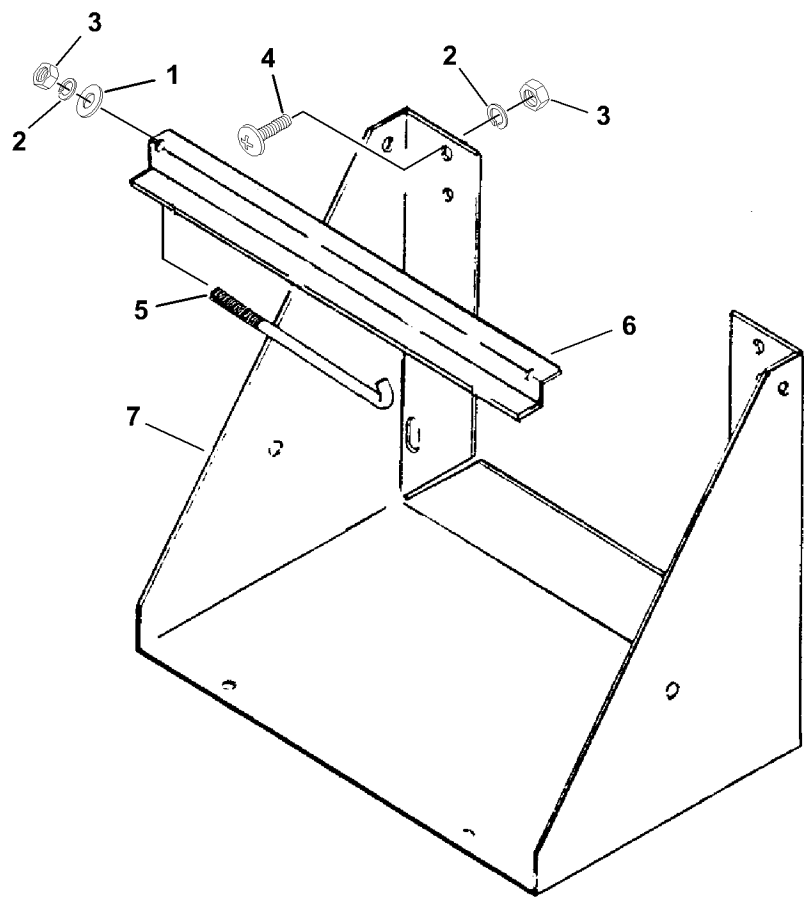
15.32 HYDRAULIC LIFT



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	4	
2	306325	Lockwasher, 5/16"	2	
3	306328	Pin, cotter, 3/32 x 3/4"	2	
4	306375	Nut, 1/4-20	7	
5	306396	Lockwasher, 1/4"	9	
6	306450	Screw, 5/16-18 x 3/4"	3	
7	306463	Pin, cotter, 1/16" x 1/2"	1	
8	308089	Washer, .20 I.D. x .47 O.D.	1	
9	308090	Washer, 1/4"	4	
10	316907	Screw, 1/4-20 x 2 3/4"	2	
11	329913	Screw, 1/4-20 x 3"	2	
12	522107	Hose, hydraulic, 16 1/2" (419 mm)	4	
13	522113	Hose, hydraulic, 38 3/4" (984 mm)	1	
14	522200	Filter	1	
15	545809	Head, filter, oil	1	
16	800113	Plug, square head, 1/2 x 9/16"	1	
17	800317	Nipple	1	
18	807472	Grip, control handle	1	
19	814079	Pin, clevis, 5/16 x 1 1/8"	2	
20	823118	Fitting, hydraulic	1	
21	823119	Adapter	1	
22	823225	Pin, clevis, 3/16 x 1"	1	
23	522110	Hose, hydraulic, 23" (584 mm)	1	
24	823701	Fitting, 90° elbow	1	
25	826490	Handle, hydraulic valve	1	
26	826538	Decal, raised box warning	1	
27	826558	Elbow, 90° w/O-ring	5	
28	827486	Valve, pressure release	1	
29	828052	Hose, hydraulic, 30 1/4" (768 mm)	1	
30	828053	Hose, hydraulic, 39" (991 mm)	1	
31	828056	Fitting	1	
32	828057	Fitting	1	
33	829515	Spring, extension	1	
34	829516	Cam, float latch	1	
35	829521	Button	1	
36	827401	Fitting, reducer	1	
37	832113	Adapter, male, 90°	1	
38	836836	Elbow, 45° swivel	1	
39	839213	Connector, valve	1	
40	882993	Cylinder, hydraulic	1	
	883236	•Repair kit, seal, w/ set screw	1	Not illustrated
	884574	•Repair kit, seal, w/ retaining ring	1	Not illustrated
	886001	•Repair kit, seal, w/ lockwire	1	Not illustrated
41	809265	•Pin, hair, 25/32" x 2 11/16"	2	
42	830810	•Pin, clevis, 1" x 3 15/16"	1	
43	884675	Plate, handle pivot	1	
44	886270	Valve	1	
	884599	•Repair kit, seal	1	Not illustrated
45	840847	•Decal, hydraulic control	1	
46	886346	Latch, float valve	1	
47	887066	Strainer, hydraulic tank	1	
48	887085	Dipstick	1	
49	888042	Pump, hydraulic	1	
50	827395	•Fitting, 90° adaptor	1	
51	832478	•Fitting, hydraulic	1	
52	890108	Tank, hydraulic, w/fitting	1	
53	830586	•Decal, instruction	1	

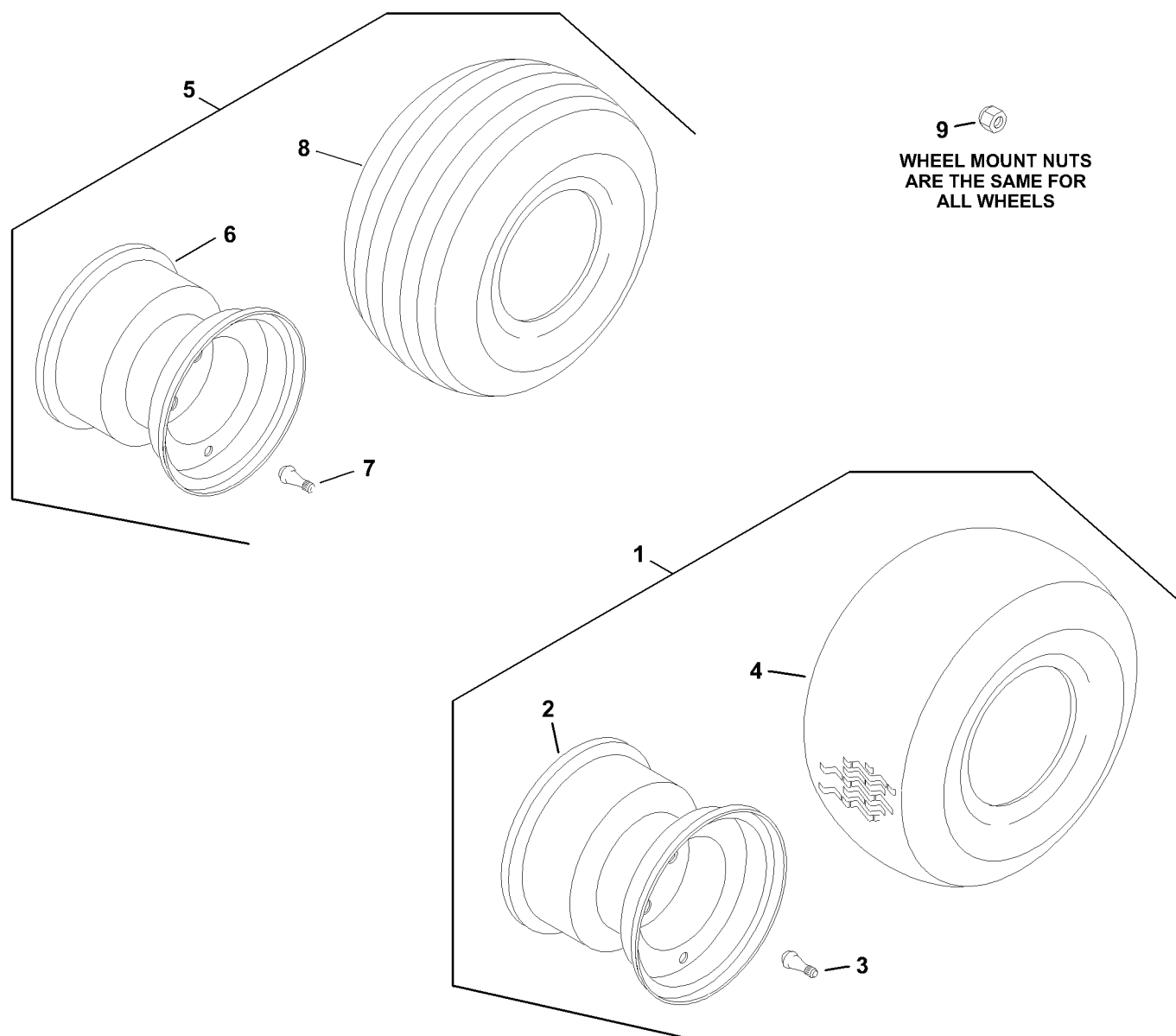
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.33 BATTERY BOX



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	2	
2	306325	Lockwasher, 5/16	6	
3	306932	Nut, 5/16-18	6	
4	800177	Screw, 5/16-18 x 3/4, P.T.H.	4	
5	812313	Bolt, battery hook	2	
6	815847	Angle, battery holddown	1	
7	822968	Carrier, battery	1	

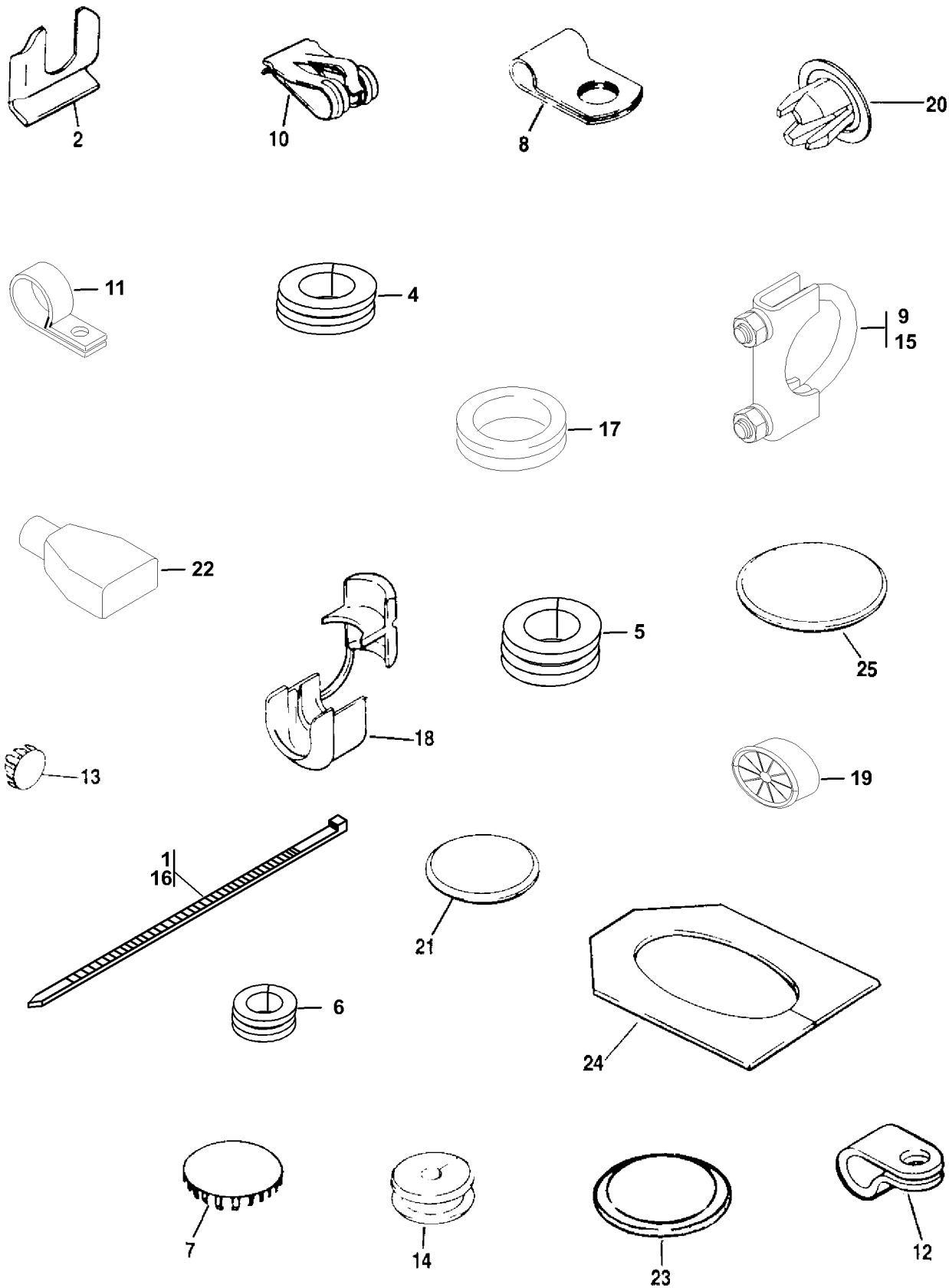
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY



Ref. No.	Part No.	Description	No. Req'd	Notes
1	884120	Tire and wheel set (rear)		Obtain locally
2	815474	•Wheel, 8.00 x 7.00 (four bolt holes)	1	
3	886735	•Stem, valve	1	
4		•Tire, 18-9.50 x 8.00 6 ply rating, softtrac	1	
5	889878	Tire and wheel set (front)		Obtain locally
6	815474	•Wheel, 8.00 x 7.00 (four bolt holes)	1	
7	886735	•Stem, valve	1	
8		•Tire, 18-9.50 x 8.00 4 ply rating, rib tread	1	
9	805860	Nut, wheel retaining	4	

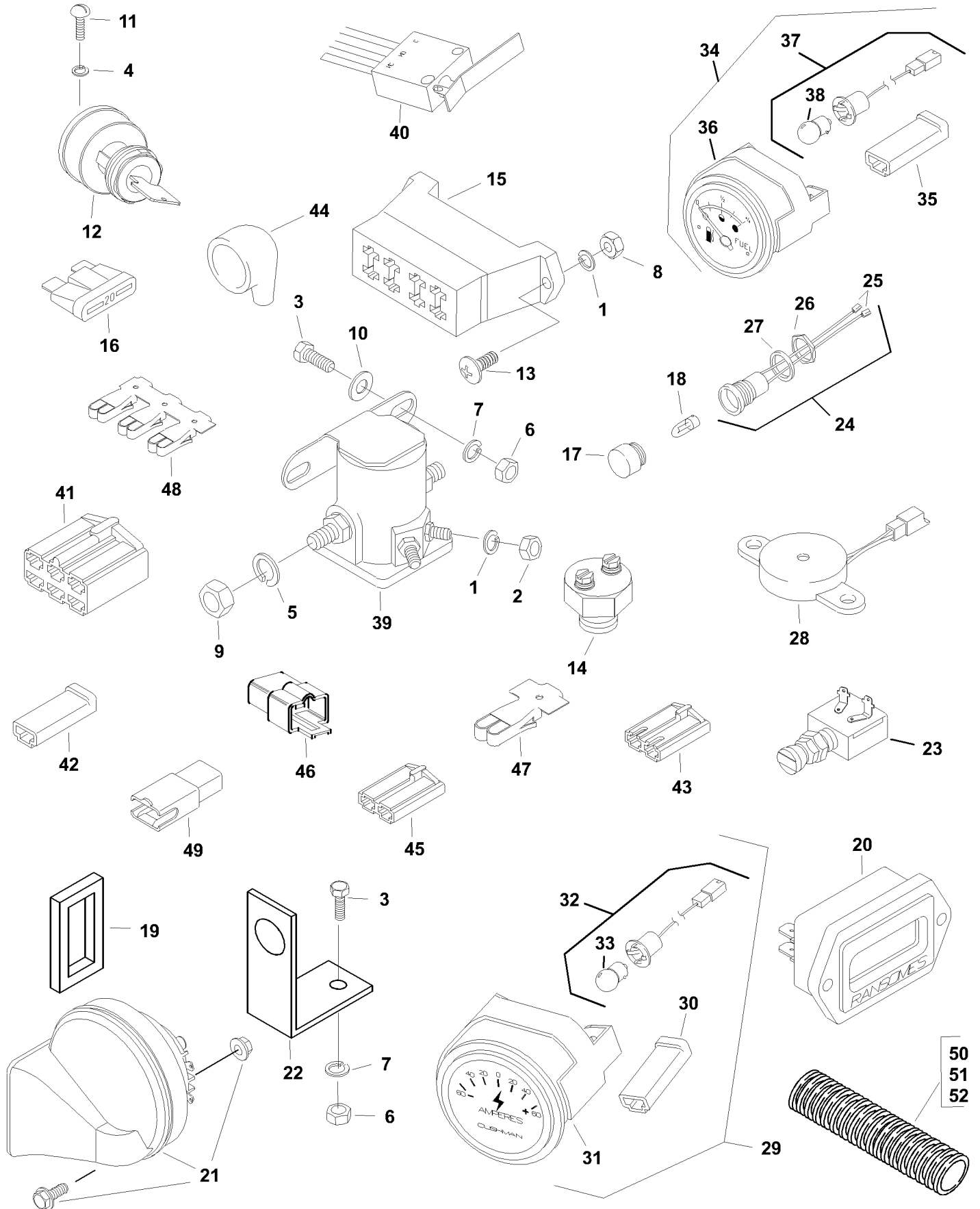
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.35 MISCELLANEOUS



Ref. No.	Part No.	Description	No. Req'd	Notes
1	320107	Tie, strap, 7" (178 mm)	2	
2	809137	Clip (1.09" wide, 1.53 long)	7	
3	809146	Grommet, rubber (1" o.d. – 1/2" i.d.)	1	
4	809206	Grommet, rubber (1 7/8" o.d. – 1 1/8" i.d.)	1	
5	809231	Grommet, rubber 1 1/16" o.d. – 9/16" i.d.)	3	
6	810445	Grommet, rubber (9/16" o.d. – 3/8" i.d.)	1	
7	811650	Plug, hole (17/32" hole size)	3	
8	812445	Clamp (1/2" wide, 9/32" hole size)	7	
9	813688	Clamp, exhaust tube, 1 1/8"	2	
10	813840	Clip, wire (5/8" wide, 31/32" long)	6	
11	814924	Clamp, hose	8	
12	815058	Clamp, wiring (9/16" wide, 3/8" wire size)	3	
13	816090	Plug, hole (1 5/32" o.d., 1" hole size)	1	
14	817307	Grommet (3/4" o.d. – 3/16" i.d.)	1	
15	818962	Clamp, exhaust tube, 1 1/4"	3	
16	823549	Tie, wire, 15 1/2" (394 mm)	5	
17	825779	Grommet, rubber (2 7/8" o.d. – 2 1/8" i.d.)	1	
18	825893	Bushing, strain relief (1.09" hole size)	1	
19	825917	Grommet (1 3/64" o.d., 1" hole size)	5	
20	825919	Plug, hole (1/2" o.d., 5/16" hole size)	2	
21	825922	Plug, hole (2 1/2" o.d., 2 1/8" hole size)	3	
22	827492	Cover, battery terminal	1	
23	829101	Plug, hole	3	
24	829144	Filler, steering column	1	
25	830083	Plug, flush head (3.95" o.d. 3.56 hole size)	1	

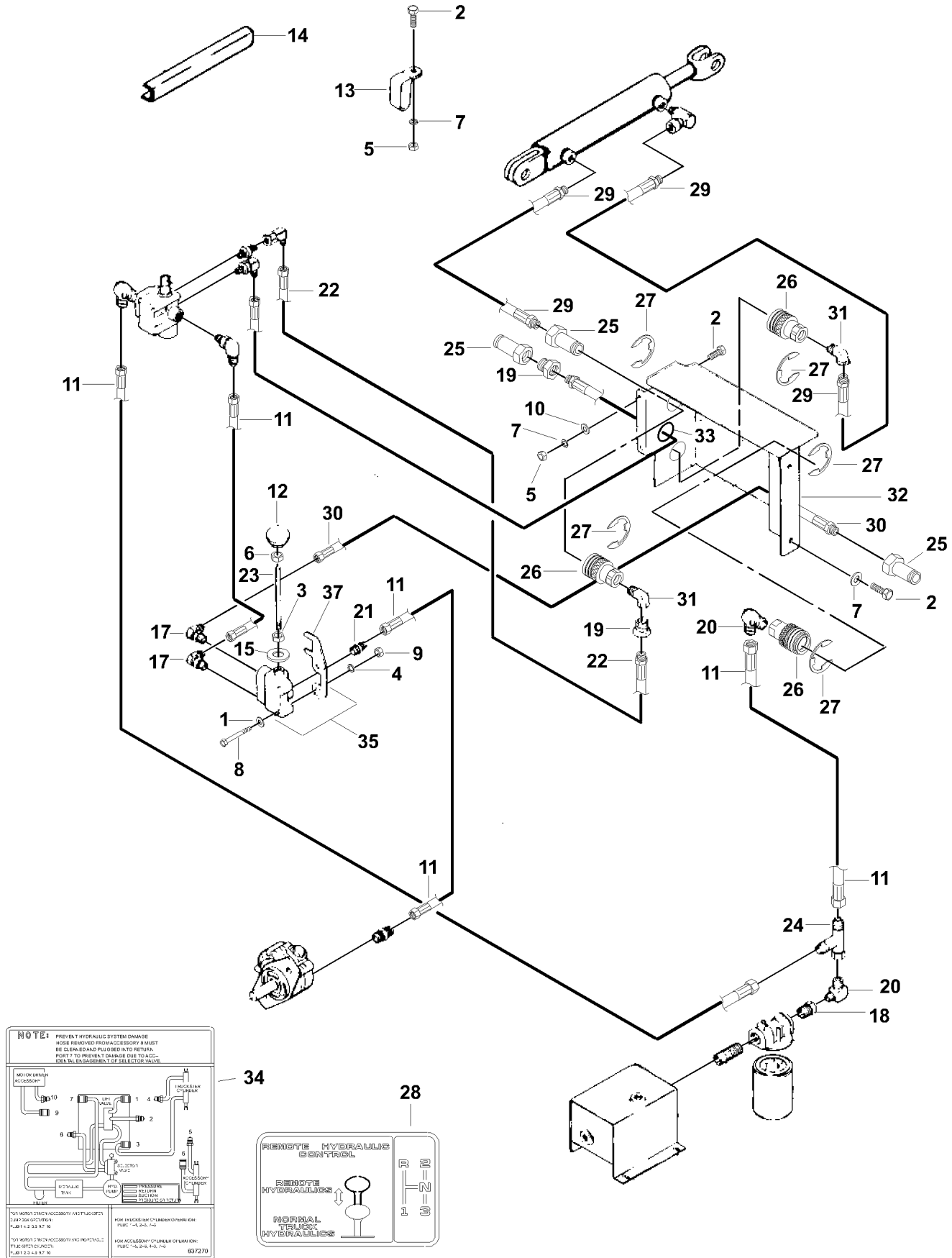
15.36 SWITCHES AND GAUGES



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	4	All switches use the same key
2	132520	Nut, #10-32	2	
3	300646	Screw, 1/4-20 x 3/4"	3	
4	306310	Lockwasher, #8	5	
5	306325	Lockwasher, 5/16"	2	
6	306375	Nut, 1/4-20	3	
7	306396	Lockwasher, 1/4"	3	
8	306531	Nut, #10-24	2	
9	306932	Nut, 5/16-18	2	
10	308090	Washer, 1/4"	2	
11	323772	Screw, #8-32 x 1/4"	5	
12	393301	Switch, ignition	1	
	889856	Switch, ignition	1	
13	800296	Screw, #10-24 x 3/4" P.T.H.	2	
14	825888	Switch	1	
15	825996	Connector, fuse holder	1	
16	826000	Fuse, 20 amp	4	
17	828470	Lens, light	1	
18	828473	Bulb, miniature (No. 1873)	1	
19	836389	Gasket, horn	1	
20	840018	Meter, tachometer/hour	1	
21	886090	Horn w/mounting hardware	1	
22	828613	•Bracket, horn	1	
23	885848	Switch, light	1	
24	885999	Socket, light	1	
25	826726	•Connector, single	2	Not offered
26		•Nut	1	
27	828772	•Lockwasher	1	
28	887215	Buzzer	1	
29	889490	Ammeter kit	1	
30	825880	•Connector	1	
31	833280	•Gauge, ammeter	1	
32	888502	•Holder, lamp	1	
33	811953	••Bulb, #53	1	
34	889491	Fuel gauge kit	1	
35	825880	•Connector	1	
36	833279	•Gauge, fuel	1	
37	888502	•Holder, lamp	1	
38	811953	••Bulb, #53	1	
39	889673	Solenoid, 12V	1	
40	890808	Switch, starting	1	
41	825877	Connector, 6 contact female	1	
42	825880	Connector, 1 contact female	As Req'd	
43	825949	Connector, 2 contact female	1	
44	825970	Boot, terminal	1	
45	825971	Connector, 2 contact female	1	
46	825973	Connector, 6 contact male	2	
47	825998	Terminal, fuse clip, one way	7	
48	825999	Terminal, Terminal, fuse clip, three-way	2	
49	826726	Connector, 1 contact male	15	
50	826190	Tubing, convoluted, 0.350 (8.9 mm), inside diameter 50' (15.2 M)	As Req'd	
51	826191	Tubing, convoluted, 0.500 (12.7 mm), inside diameter 50' (15.2 M)	As Req'd	
52	826192	Tubing, convoluted, 0.750 (19 mm), inside diameter 25' (7.6 M)	As Req'd	

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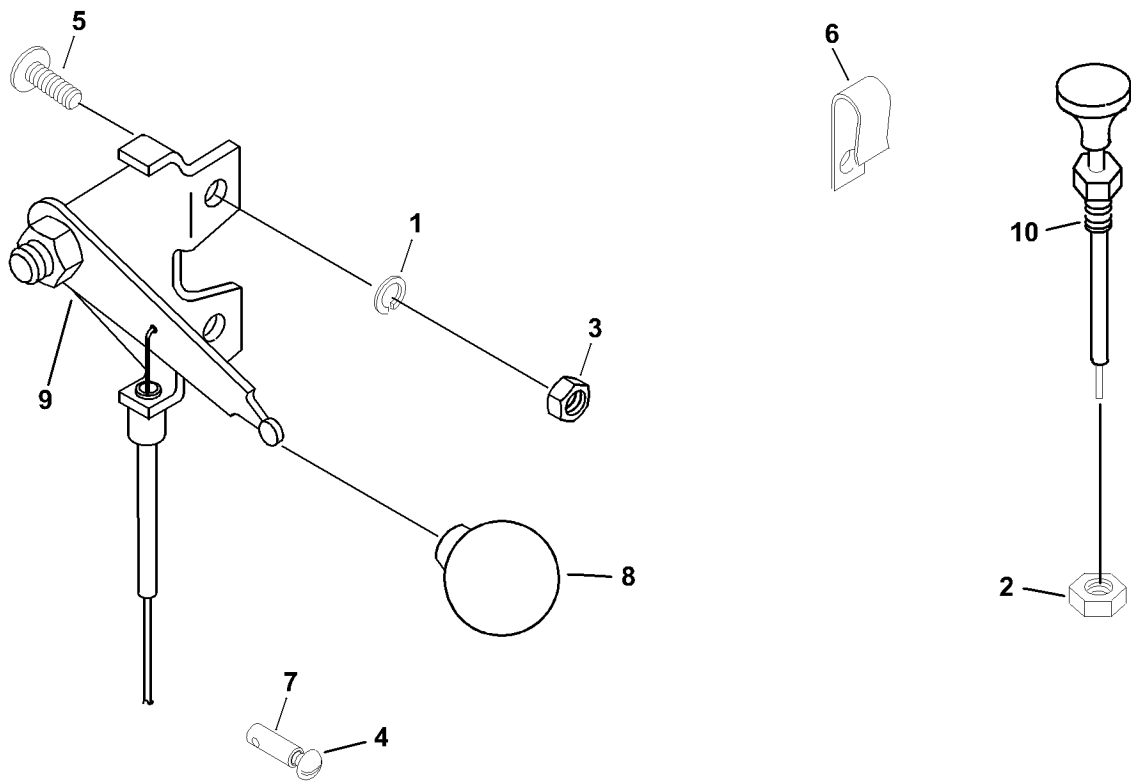
15.37 REMOTE HYDRALICS



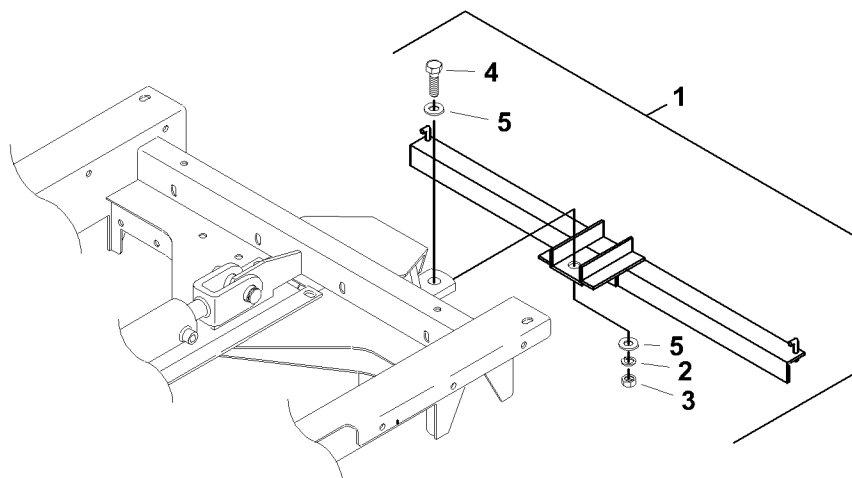
Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	4	Not Illustrated
2	300646	Screw, 1/4–20 x 3/4"	5	
3	304632	Nut, 3/8–16 jam	1	
4	306325	Lockwasher, 5/16"	2	
5	306375	Nut, 1/4–20	3	
6	306388	Nut, 3/8–24 jam	1	
7	306396	Lockwasher, 1/4"	5	
8	306464	Screw, 5/16–18 x 2 1/2"	2	
9	306932	Nut, 5/16–18	2	
10	308090	Washer, 1/4"	2	
11	522110	Hose, hydraulic, 22" (559 mm)	3	
12	548171	Knob	1	
13	817320	Clamp	1	
14	821893	Molding	As Req'd	
15	822419	Washer, 13/32"	1	
16	825779	Grommet	1	
17	826558	Elbow, 90° w/o-ring	3	
18	827401	Bushing	1	
19	828052	Hose, hydraulic 30 1/4" (768 mm)	1	
20	829937	Fitting, reducer	2	
21	832113	Adapter, 90° male	2	
22	832124	Hose, hydraulic, 14 1/4" (362 mm)	1	
23	832285	Extension, handle	1	
24	832395	Fitting, hydraulic	1	
25	894702	Coupler, dryseal, male	3	
26	894701	Coupler, dryseal, female	3	
27	832414	Ring, retaining	6	
28	832426	Decal, information	1	
29	832900	Hose, hydraulic, 38" (965 mm)	2	
30	833813	Hose, hydraulic, 42" (1067 mm)	1	
31	835101	Fitting, 90° hydraulic	2	
32	888418	Bracket, decal	1	
33	832856	•Bushing, flip–lok	2	
34	837270	•Decal, remote hydraulics connections	1	
35	889155	Valve, hydraulic selector	1	Not Illustrated
	892601	•Seal kit, hydraulic selector	1	
36	832798	•Plate, stop, selector valve	1	
37	823119	Adapter, 90°	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

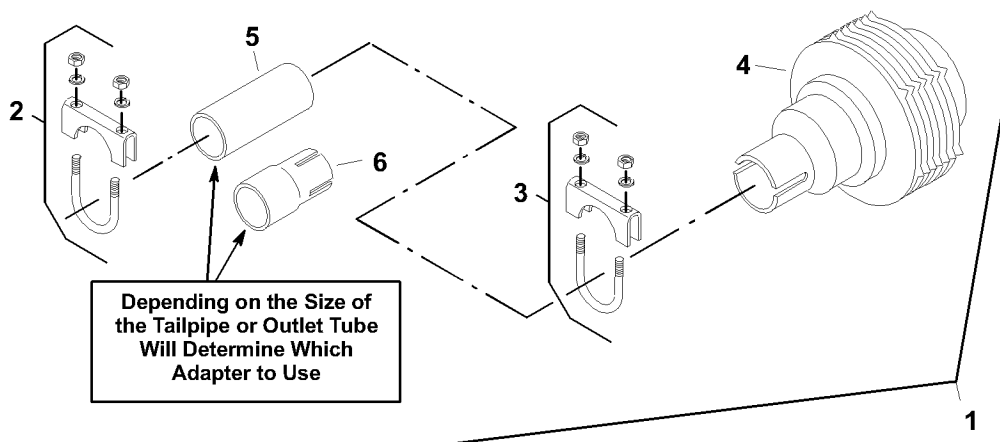
15.38 CONTROL CABLES



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	2	
2	306319	Nut, 3/8-24	1	
3	306531	Nut, #10-24	2	
4	800178	Screw, #8-32 x 1/2" P.T.H.	1	
5	800271	Screw, #10-24 x 1/2" P.T.H.	2	
6	813840	Clip	2	
7	817104	Stop, wire	1	
8	827821	Knob	1	
9	830786	Cable, control	1	
10	830815	Cable, choke	1	

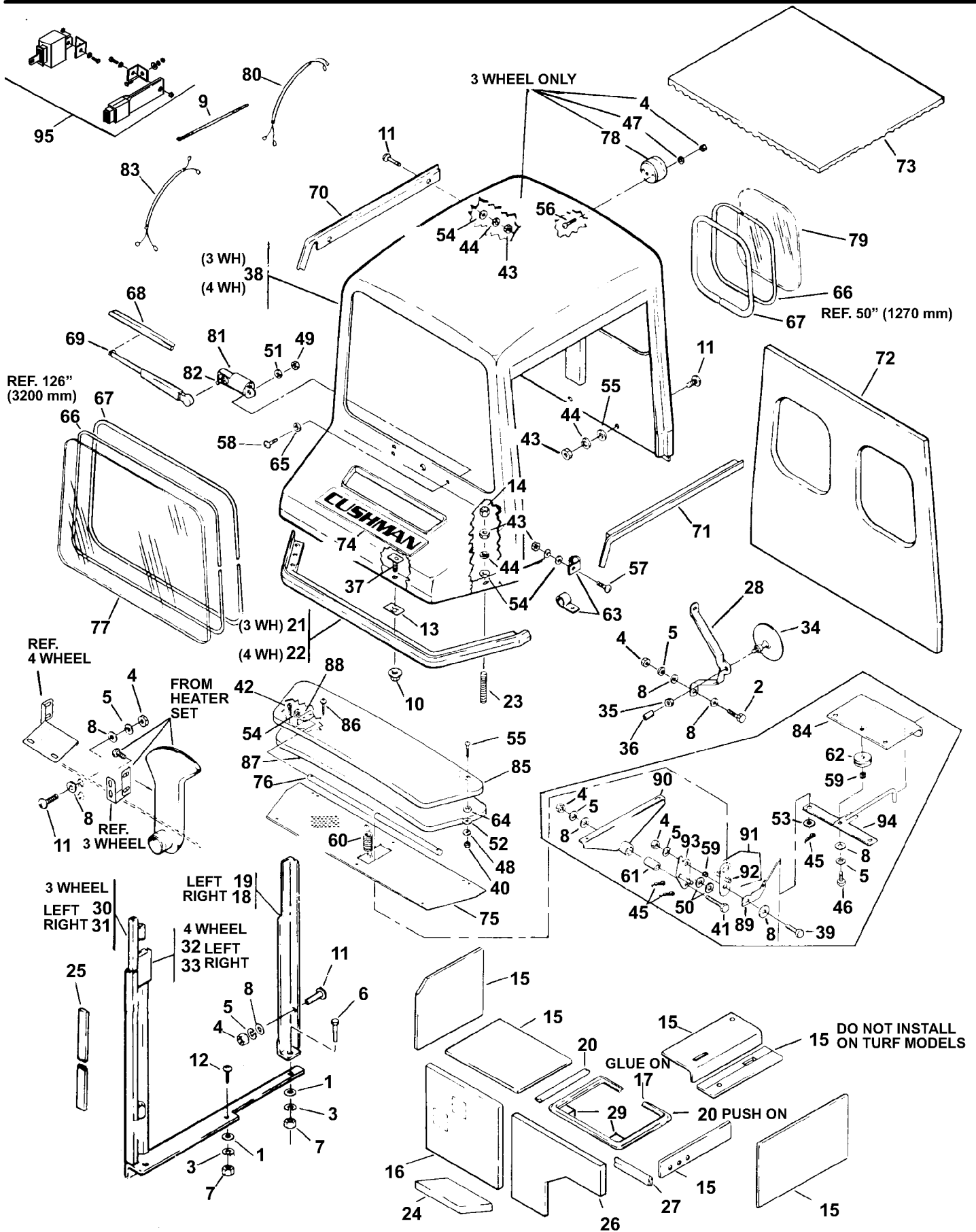


Ref. No.	Part No.	Description	No. Req'd	Notes
1	883341	Drag mat bar set	1	
2	306494	•Lockwasher, 5/8	1	
3	311385	•Nut, 5/8-11	1	
4	316914	•Screw, 5/8-11 x 2	1	
5	809156	•Washer, 5/8	2	



Ref. No.	Part No.	Description	No. Req'd	Notes
1	882574	Spark arrestor set, complete	1	
2	813688	•Clamp, 1 1/4	1	
3	818962	•Clamp,	1	
4	822139	•Arrestor, spark	1	
5	825334	•Adapter, spark arrestor	1	
6	832974	•Tube, adapter	1	

15.40 CAB SET PART NO. 888669 (4 WHEEL) PART NO. 897120 (3 WHEEL)

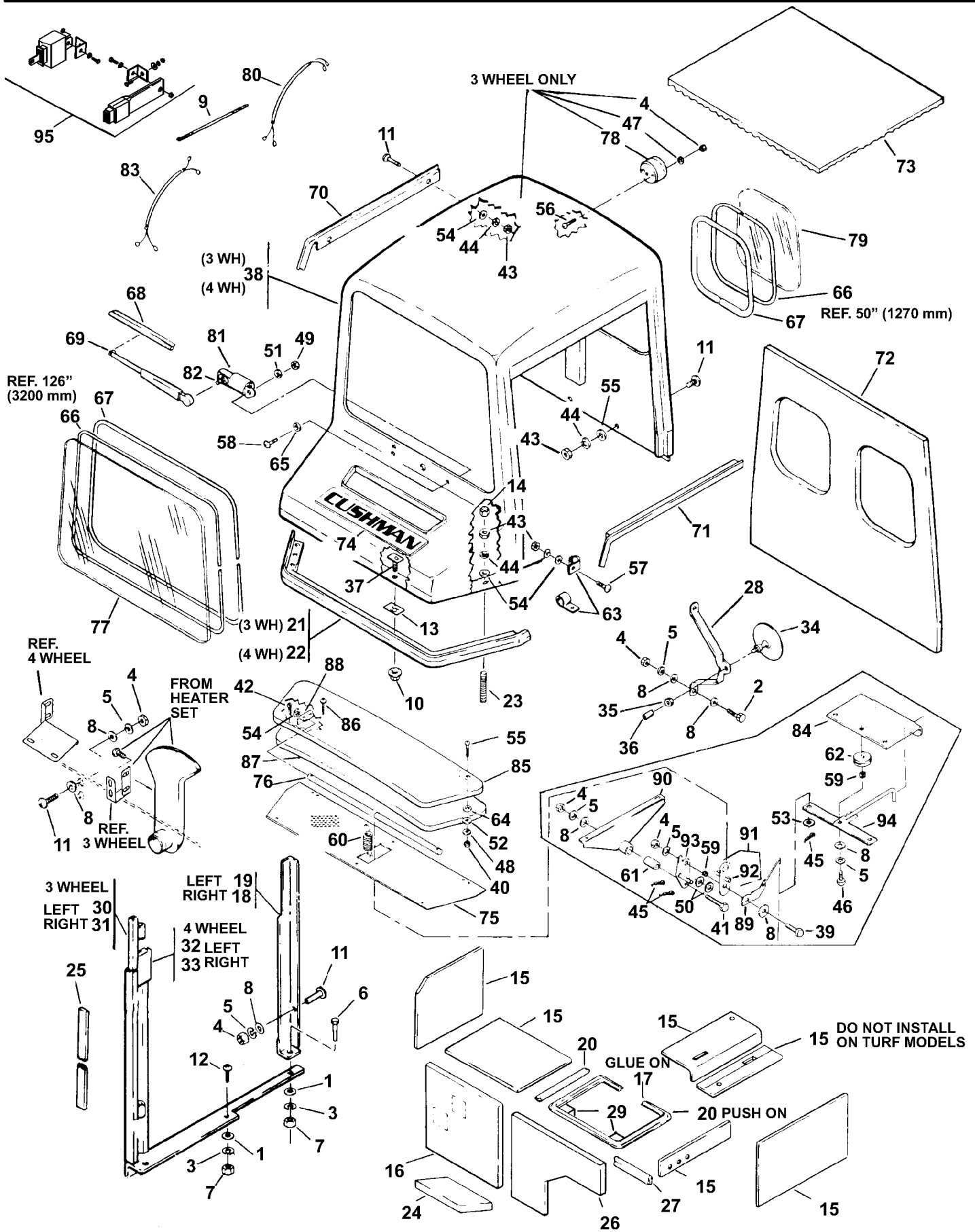


CAB SET PART NO. 888669 (4 WHEEL) PART NO. 897120 (3 WHEEL) 15.40

Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	6	
2	302288	Screw, 1/4-20 x 1	4	
3	306325	Lockwasher, 5/16	6	
4	306375	Nut, 1/4-20	21	
5	306396	Lockwasher, 1/4	21	
6	306450	Screw, 5/16-18 x 3/4	2	
7	306932	Nut, 5/16-18	6	
8	308090	Washer, 1/4	26	
9	320107	Tie, wire, 7" (178 mm)	2	
10	548910	Nut, flange lock	8	
11	800026	Screw, 1/4-20 x 3/4, P.T.H.	9	
12	800030	Screw, 5/16-18 x 1, P.T.H.	4	
13	800167	Nut, speed, 1/4-20	6	
14	800456	Nut, acorn, 1/4-20	8	
15	825859	Foam, sound, 22" x 24 3/4"	As Req'd	
16	827769	Insulation, engine cover	1	
17	828388	Seal, seat and engine cover	As Req'd	Available only in 10' (3 M) roll.
18	828934	Angle, RIGHT	1	
19	828935	Angle, LEFT	1	
20	828976	Weatherstrip, push on	As Req'd	Available only in 25' (7.6M) roll.
	829071	Sealer, 3 oz. tube	As Req'd	Not Illustrated
21	829536	Strip, sealer, 3 WHEEL	1	
22	829537	Strip, sealer, 4 WHEEL	1	
23	829815	Stud, threaded	8	
24	829966	Foam, insulation, filler	1	
25	830355	Seal, adhesive backed, 1/4" x 1/2"	As Req'd	Available only in 35'(10.7M) roll.
	830902	Decal, instruction	1	Not Illustrated
26	830904	Insulation, engine cover	1	
27	830908	Seal, push on	As Req'd	Available only in 25'(7.6M) roll.
28	831582	Bracket, mirror	2	
29	833851	Seal, 1/2" x 1/2" x 7"(178 mm)	2	
30	885911	Support, pivot, LEFT(3 wheel)	1	
31	885912	Support, pivot, RIGHT(3 wheel)	1	
32	886383	Support, pivot, LEFT(4 wheel)	1	
33	886384	Support, pivot, RIGHT(4 wheel)	1	
34	887246	Mirror set	2	
35	306397	•Nut, 1/4-28	1	
36	823201	•Cap, vinyl	1	
37	888641	Stud	6	
38	889072	Cab and vent (4 WHEEL)	1	
	OR			
	889073	Cab and vent (3 WHEEL)	1	
39	300646	•Screw, 1/4-20 x 3/4	1	
40	302437	•Nut, #6-32	8	
41	303459	•Screw, 1/4-20 x 1 1/2	1	
	303916	•Lockwasher, #10 E.T., shkprf	1	Not Illustrated
42	306328	•Pin, cotter, 3/32 x 3/4	2	
43	306375	•Nut, 1/4-20	12	
44	306396	•Lockwasher, 1/4	13	
45	306463	•Pin, cotter, 1/16 x 1/2	3	
46	306487	•Screw, 1/4-20 x 5/8	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.40 CAB SET PART NO. 888669 (4 WHEEL) PART NO. 897120 (3 WHEEL)

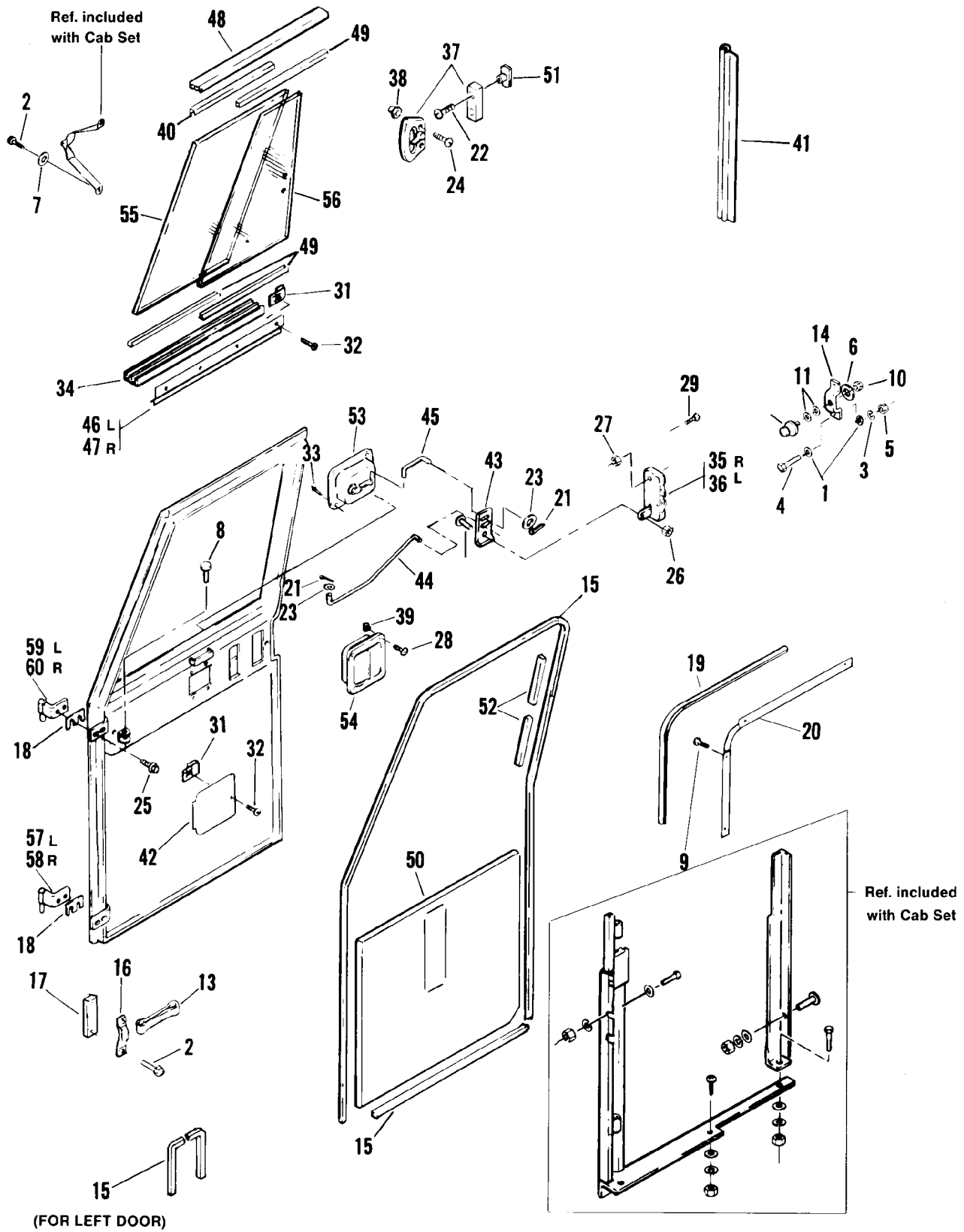


CAB SET PART NO. 888669 (4 WHEEL) PART NO. 897120 (3 WHEEL) 15.40

Ref. No.	Part No.	Description	No. Req'd	Notes
47	306488	•Lockwasher, 1/4, E.T., shkprf	2	Not Illustrated Available only in 50'(15.2 M) roll. Available only in 50'(15.2 M) roll.
48	306506	•Lockwasher, #6	8	
49	306531	•Nut, #10-24	1	
50	306982	•Washer, 7/16	2	
51	306998	•Lockwasher, #10, E.T., shkprf	1	
52	308087	•Washer, #6	8	
53	308088	•Washer, #8	1	
54	308090	•Washer, 1/4	13	
55	316056	•Screw, #6-32 x 3/4, rd.hd	8	
56	800024	•Screw, 1/4-20 x 1 1/2, P.T.H.	2	
57	800026	•Screw, 1/4-20 x 3/4, P.T.H.	10	
58	800296	•Screw, #10-24 x 3/4, P.T.H.	1	
59	805245	•Bushing	2	
60	805451	•Spring, extension	1	
61	810379	•Bushing	1	
62	810446	•Grommet	1	
63	814924	•Clamp	2	
64	821068	•'O' ring	4	
65	821427	•Washer, sealing	5	
	826726	•Connector, single contact	1	
66	828376	•Weather strip, filler	As Req'd	
67	828384	•Seal, window	As Req'd	
68	828493	•Blade, wiper	1	
69	828682	•Arm, wiper	1	
70	828736	•Trough, drip, RIGHT	1	
71	828972	•Trough, drip, LEFT	1	
72	828990	•Foam, sound, rear panel	1	
73	829735	•Foam, sound, roof	1	
74	830790	•Plate, CUSHMAN	1	
75	833971	•Screen	1	
76	834077	•Member	1	
77	825642	•Windshield	1	
78	886023	•Light, stop (3 wheel only)	1	
79	828668	•Window, rear	2	
80	886447	•Wire, stoplight (3 wheel only)	1	
81	886497	•Motor, wiper	1	
82	886131	••Shaft, motor, replacement	1	
83	886448	•Wire, wiper	1	
84	888684	•Pivot	1	
85	888815	•Cover, vent	1	
86	800736	••Rivet, pop	8	
87	829717	••Gasket	1	
88	833972	••Bracket	2	
89	888831	•Rod	1	
90	888832	•Bracket	1	
91	888835	•Arm	1	
92	316946	••Pin, spirol, 5/16 x 7/8	1	
93	888836	•Lever	1	
94	888842	•Lever	1	
95	892882	•Belt, seat (2 passenger only)	2	
	825844	Adhesive, foam, 1 qt. (.95L) can	As Req'd	Not Illustrated

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15.41 STEEL DOOR SET

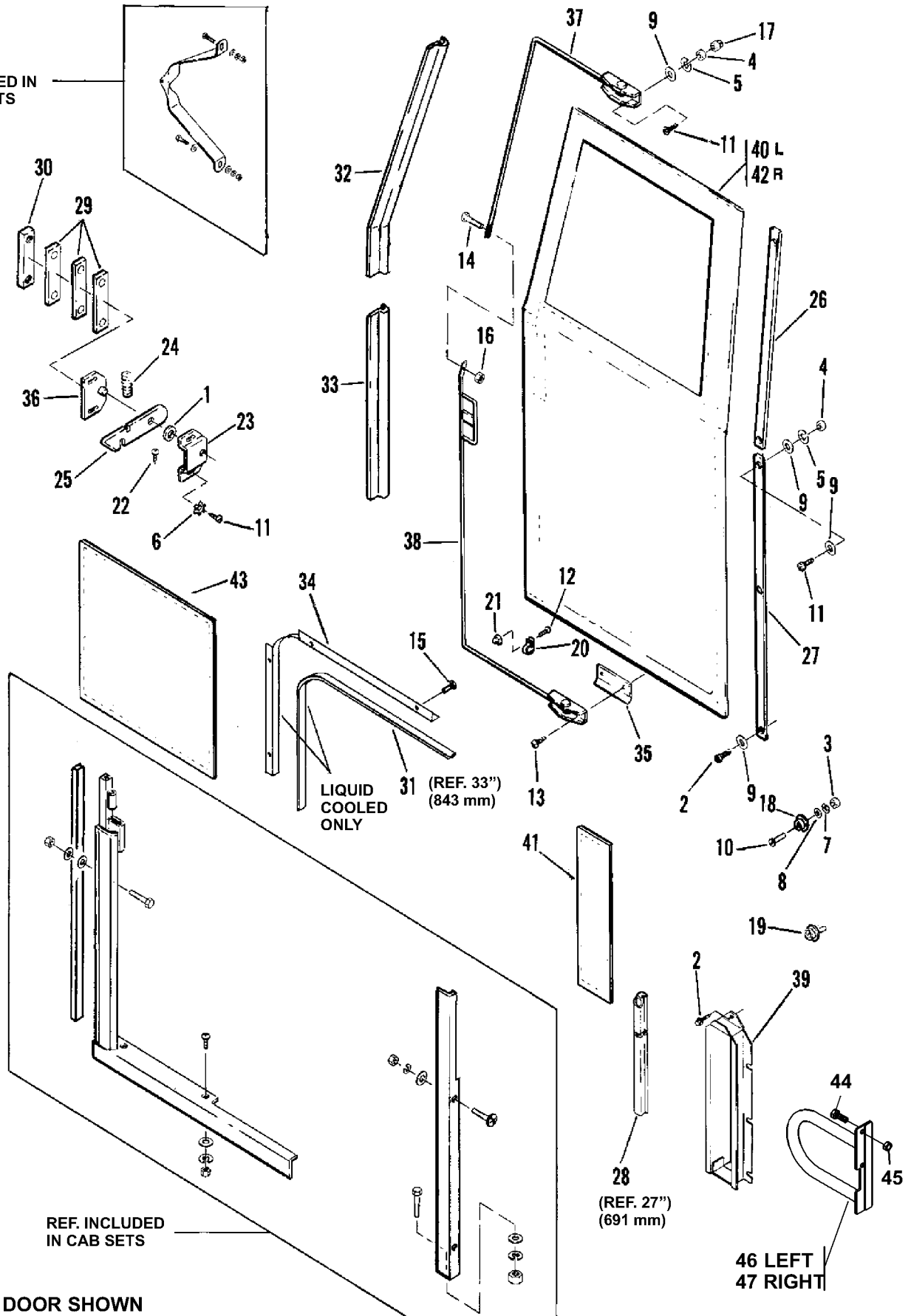


Ref. No.	Part No.	Description	No. Req'd	Notes
	887213	Steel door set, LEFT	1	
	890510	Steel door set, RIGHT	1	
1	103867	•Washer, 5/16	2	
2	112050	•Screw, 1/4–20 x 5/8, tapping	4	
3	306325	•Lockwasher, 5/16	2	
4	306416	•Screw, 5/16–18 x 1	2	
5	306932	•Nut, 5/16–18	2	
6	306982	•Washer, 7/16	1	
7	308090	•Washer, 1/4	2	
8	516634	•Pin, retaining	1	
9	800270	•Screw, #10–16 x 1/2, P.T.H.	4	
10	800294	•Nut, 7/16–14, lock	1	
11	825500	•Washer, special	2	
12	825816	•Striker, door	1	
13	825823	•Strap, door	1	
14	828700	•Bracket, striker mounting	1	
15	828976	•Weatherstrip, 25' (7.6M)	As Req'd	
16	829038	•Bracket, door strap	1	
17	829040	•Retainer, latch mounting	1	
18	829137	•Spacer, door pivot	As Req'd	
19	830908	•Seal, push on, 25' (7.6M)	As Req'd	
20	833999	•Angle, seal mounting	1	
21	306463	•Pin, cotter, 1/16 x 1/2	4	
22	306532	•Screw, #10–24 x 5/8, flathead	2	
23	308089	•Washer, #10	4	
24	312288	•Screw, #6–32 x 5/8, pan head	2	
25	548971	•Screw, 5/16–18 x 5/8, flange lock	4	
26	800053	•Nut, #10–24, lock	1	
27	800059	•Nut, 1/4–20, lock	4	
28	800135	•Screw, #8A x 1/2, sl.hd. tapping	4	
29	800263	•Screw, 1/4–20 x 1 1/4, P.T.H.	4	
30	800306	•Screw, #10–24 x 1/2, P.T.H.	1	
31	800339	•Nut, #10A, speed	5	
32	800344	•Screw, #10A x 9/16, P.T.H.	5	
33	800374	•Rivet, pop	4	
34	823418	•Guide, lower	1	
35	825817	•Latch, door, RIGHT	1	
36	825818	•Latch, door, LEFT	1	
37	825819	•Latch, window	1	
38	825826	•Nut, latch mounting, #6–32	2	
39	825839	•Nut, #8A, speed	4	
40	825840	•Moulding, window	1	
41	825924	•Seal, push on, 21 1/2" (546mm)	1	
42	828694	•Cover, latch	1	
43	828697	•Arm, latch control	1	
44	828698	•Rod, latch control, inside	1	
45	828699	•Rod, latch control, outside	1	
46	828718	•Retainer, window, LEFT	1	
47	828719	•Retainer, window, RIGHT	1	
48	828731	•Guide, window, upper	1	
49	828733	•Moulding, window	3	
50	828834	•Foam	1	
51	830209	•Nut, tee, #10–24	2	
52	884654	•Weatherstrip, 36' (11M)	As Req'd	
53	885927	•Handle, paddle, locking	1	
54	885928	•Handle, paddle, plain	1	
55	886098	•Window, FRONT, stationary	1	
56	886099	•Window, REAR, movable	1	
57	886162	•Bracket, lower door, pivot, LEFT	1	
58	886163	•Bracket, lower door, pivot, RIGHT	1	
59	886164	•Bracket, upper door pivot, LEFT	1	
60	886165	•Bracket, upper door pivot, RIGHT	1	

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15.42 CLOTH DOOR SET

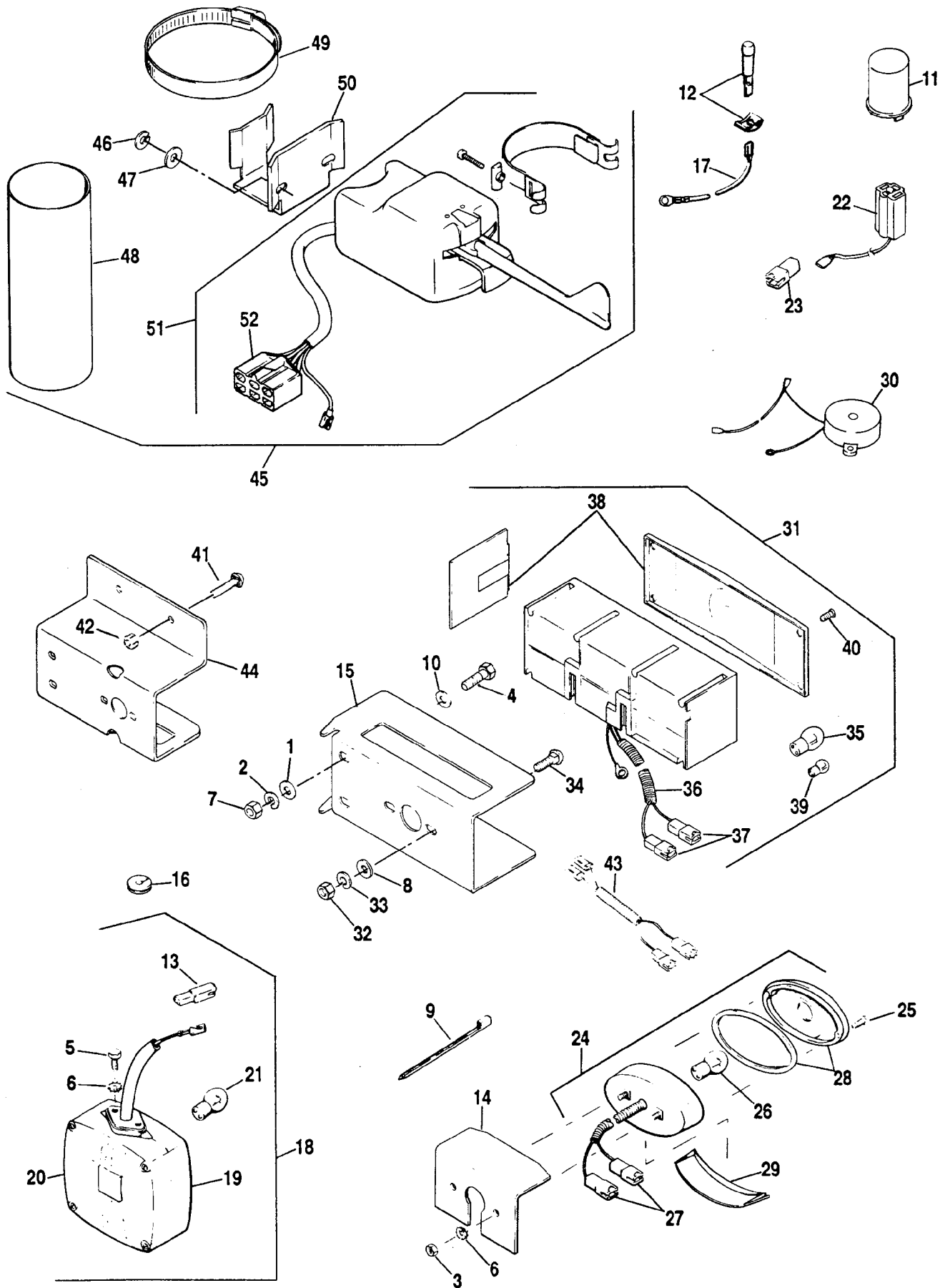
REF.
INCLUDED IN
CAB SETS



Ref. No.	Part No.	Description	No. Req'd	Notes
	888664	Cloth door set, LEFT	1	
	888665	Steel door set, RIGHT	1	
1	103867	•Washer, 5/16	1	
2	112050	•Screw, 1/4–20 x 5/8, tapping	2	
3	302437	•Nut, #6–32	4	
4	306375	•Nut, 1/4–20	6	
5	306396	•Lockwasher, 1/4	6	
6	306488	•Lockwasher, 1/4 E.T.,shakeproof	2	
7	306506	•Lockwasher, #6	4	
8	308087	•Washer, #6	4	
9	308090	•Washer, 1/4	12	
10	316995	•Screw, #6–32 x 7/8	4	
11	800017	•Screw, 1/4–20 x 1, P.T.H.	8	
12	800022	•Screw, #10–24 x 3/4, P.T.H.	1	
13	800026	•Screw, 1/4–20 x 3/4, P.T.H.	2	
14	800030	•Screw, 5/16–18 x 1, P.T.H.	1	
15	800270	•Screw, #10–16x1/2, P.T.H.	4	
16	800290	•Nut, 5/16–18, locking	1	
17	800456	•Nut, acorn, 1/4–20	2	
18	809381	•Fastener, snap	4	
19	818376	•Stud, snap fastener	1	
20	818379	•Clamp	2	
21	819176	•Nut, #10–24, acorn	2	
22	819195	•Screw, #8–18 x 1/2	1	
23	826514	•Cover, latch	1	
24	826516	•Spring, latch	1	
25	826517	•Handle, latch	1	
26	826520	•Strip, upper door mounting	1	
27	826521	•Strip, lower door mounting	1	
28	828976	•Weatherstrip, 25'(7.6M)	As Req'd.	
29	829037	•Spacer, latch	3	
30	829040	•Bracket, threaded	1	
31	830908	•Seal, push on, 25'(7.6M)	As Req'd.	
32	831110	•Weatherstrip, 30"(767 mm)	1	
33	831111	•Weatherstrip, 19 1/2"(495 mm)	1	
34	833998	•Angle, seal mounting	1	
35	884701	•Plate, nut	1	
36	884702	•Plate, latch	1	
37	886041	•Rod, upper	1	
38	886042	•Rod, lower	1	
39	887160	•Frame weatherstrip	1	
40	888292	•Door cover and vent cover, LEFT	1	
41	888780	••Vent cover, LEFT	1	
42	888438	•Door cover and vent cover, RIGHT	1	
43	888781	••Vent cover, RIGHT	1	
44	548902	•Screw, 5/16–18 x 1	2	
45	548911	•Nut, 5/16–18	2	
46	894790	•Restraint, hip, LEFT	1	
47	894791	•Restraint, hip, RIGHT	1	

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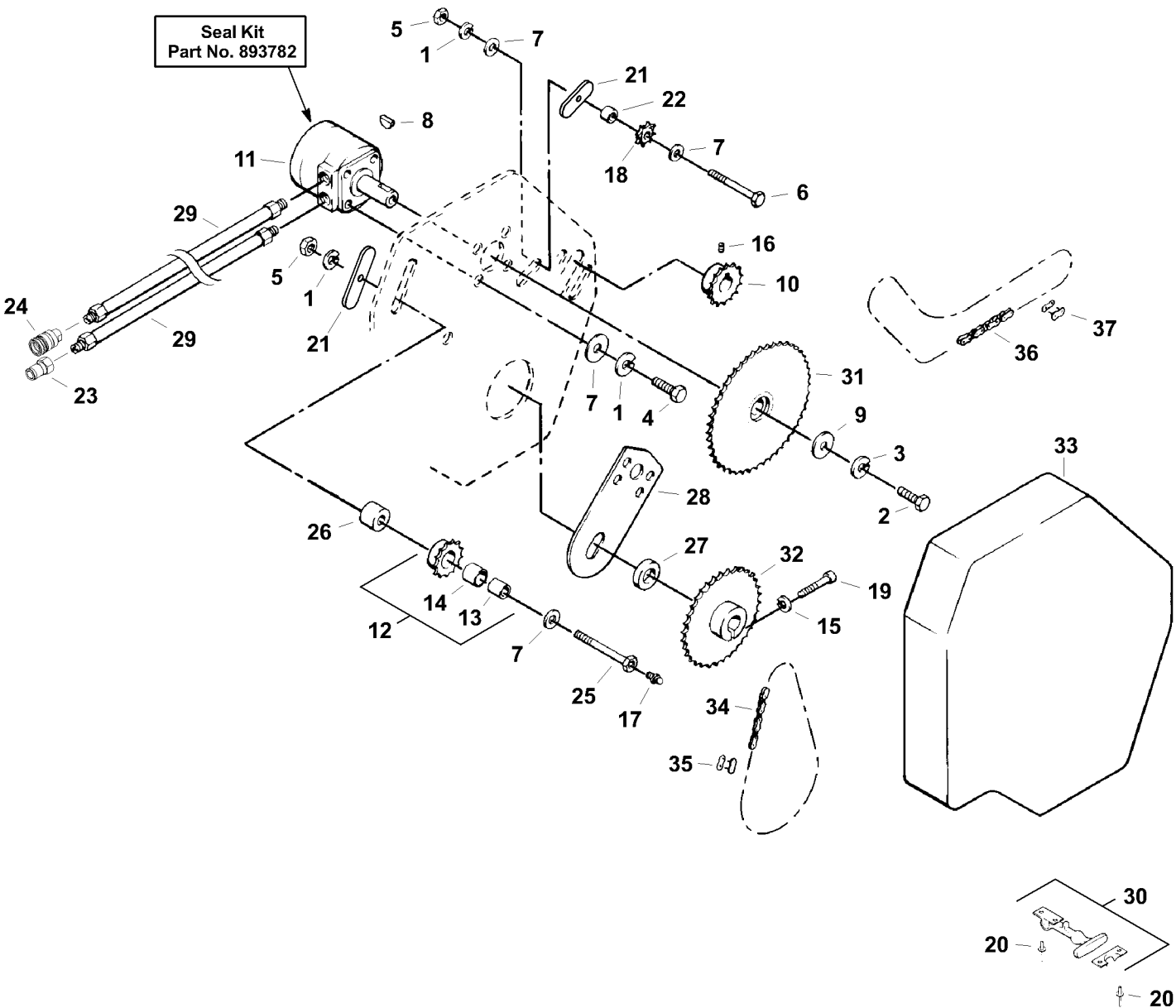
15.43 TURN SIGNAL



Ref. No.	Part No.	Description	No. Req'd	Notes
	897132	Turn signal accessory	1	Not Illustrated
1	103867	•Washer, 5/16	2	
2	306325	•Lockwasher, 5/16	2	
3	306375	•Nut, 1/4–20	2	
4	306416	•Screw, 5/16–18 x 1	2	
5	306419	•Screw, 1/4–20 x 1/2 skt. hd.	4	
6	306488	•Lockwasher, 1/4, E.T. shkp.	6	
7	306932	•Nut, 5/16–18	2	
8	308090	•Washer, 1/4	2	
9	320107	•Tie, wire, 7" (178 mm)	2	
10	809152	•Washer, special	2	
11	825501	•Flasher	1	
12	825939	•Light, indicator	1	
13	826726	•Connector, single contact	2	
14	828945	•Cover, taillight	1	
15	832649	•Guard, taillight	1	
16	839168	•Grommet	2	
17	884385	•Wire, hazard light ground	1	
	884741	•Grapho 112x	1	
18	885964	•Lamp, front turn signal	2	
19	825850	••Lens, black	1	
20	825851	••Lens, amber	1	
21	837670	••Bulb, #1156	1	
22	885965	•Wire, flasher	1	
23	826726	••Connector, single contact	1	
24	886148	•Light, stop and tail (oval)	1	
25	312288	••Screw, #6–32 x 5/8	2	
26	822049	••Bulb, #1157	1	
27	826726	••Connector, single contact	2	
28	829099	••Kit, lens and gasket	1	
29	829100	••Lens	1	
30	887822	•Wire Assembly w/buzzer	1	
31	888089	•Light, stop & tail, (rectangular)	1	
32	306375	••Nut, 1/4–20	2	
33	306396	••Lockwasher, 1/4	2	
34	800069	••Bolt, carriage, 1/4–20 x 1	2	
35	822049	••Bulb, #1157	1	
36	826190	••Tubing, .350(9 mm) I.D. 50' (15.2 M) . . As Req'd.		
37	826726	••Connector, single contact	2	
38	832633	••Lens, taillight	1	
39	832634	••Lamp, #57	1	
40	832664	••Screw, taillight lens	1	
41	800606	••Bolt, carriage, 5/16–18 x 1 1/2	2	
42	800697	•Nut, flangelock, 5/16–18	2	
43	891884	•Harness, extension	1	
44	838177	•Bracket, taillight	1	
45	897133	•Switch Set◊◊, replacement	1	
46	306310	••Lockwasher, #8	2	
47	308089	••Washer, #10	2	
48	824974	••Insulator	1	
49	825358	••Clamp, worm-drive	1	
50	839197	••Bracket, turn signal	1	
51	892107	••Switch	1	
52	825877	•••Connector, six-way	1	

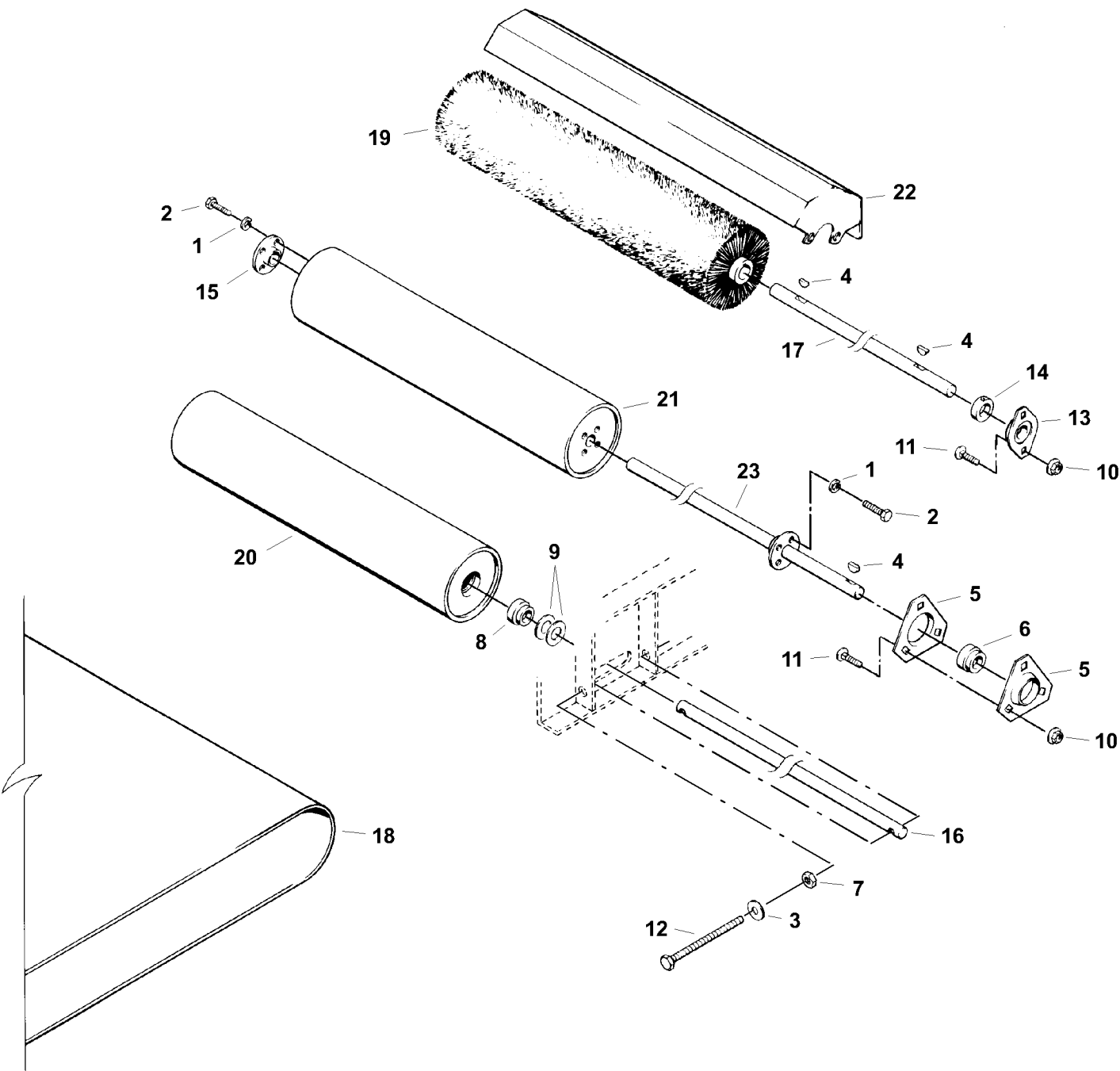
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.44 TOP DRESSER 1500



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120177	Lockwasher, 3/8	6	Not Illustrated
2	302288	Screw, 1/4-20 x 1	1	
3	306396	Lockwasher, 1/4	1	
4	306539	Screw, 3/8-16 x 7/8	4	
5	306562	Nut, 3/8-16	2	
6	306836	Screw, 3/8-16 x 2 1/4	1	
7	306981	Washer, 3/8	8	
8	515016	Key	1	
9	515390	Retainer	2	
10	517996	Sprocket	1	
11	540401	Motor, hydraulic	1	
	893782	Kit, seal	1	
12	547662	Sprocket	2	
13	519874	•Race, inner	1	
14	521845	•Bearing, needle	1	
15	548183	Lockwasher, 5/16	1	
16	548201	Set Screw, 5/16-18 x 5/16	2	
17	548224	Fitting, lubrication	2	
18	548960	Sprocket, idler	1	
19	800513	Screw, socket head 5/16-18 x 1 1/4 (G8)	1	
20	800634	Rivet, pop 1/8 x 5/8	4	
21	869140	Cover, hole	2	
22	816697	Bushing	1	
23	894702	Coupler, dryseal, male	1	
24	894701	Coupler, dryseal, female	1	
25	835738	Bolt, idler sprocket	2	
26	835740	Bushing	2	
27	836507	Bushing	1	
28	839114	Shield, sand	1	
29	839136	Hose hydraulic	2	
30	888102	Latch (complete)	1	
31	889423	Sprocket, drive	1	
32	892029	Sprocket, drive	1	
33	892031	Cover, drive w/decals and latch keeper	1	
34	892207	Chain, #40 sealed roller 65 links	1	
35	522122	•Link, connector #40 chain	1	
36	892208	Chain, #40 sealed roller 77 links	1	
37	522122	•Link, connector #40 chain	1	

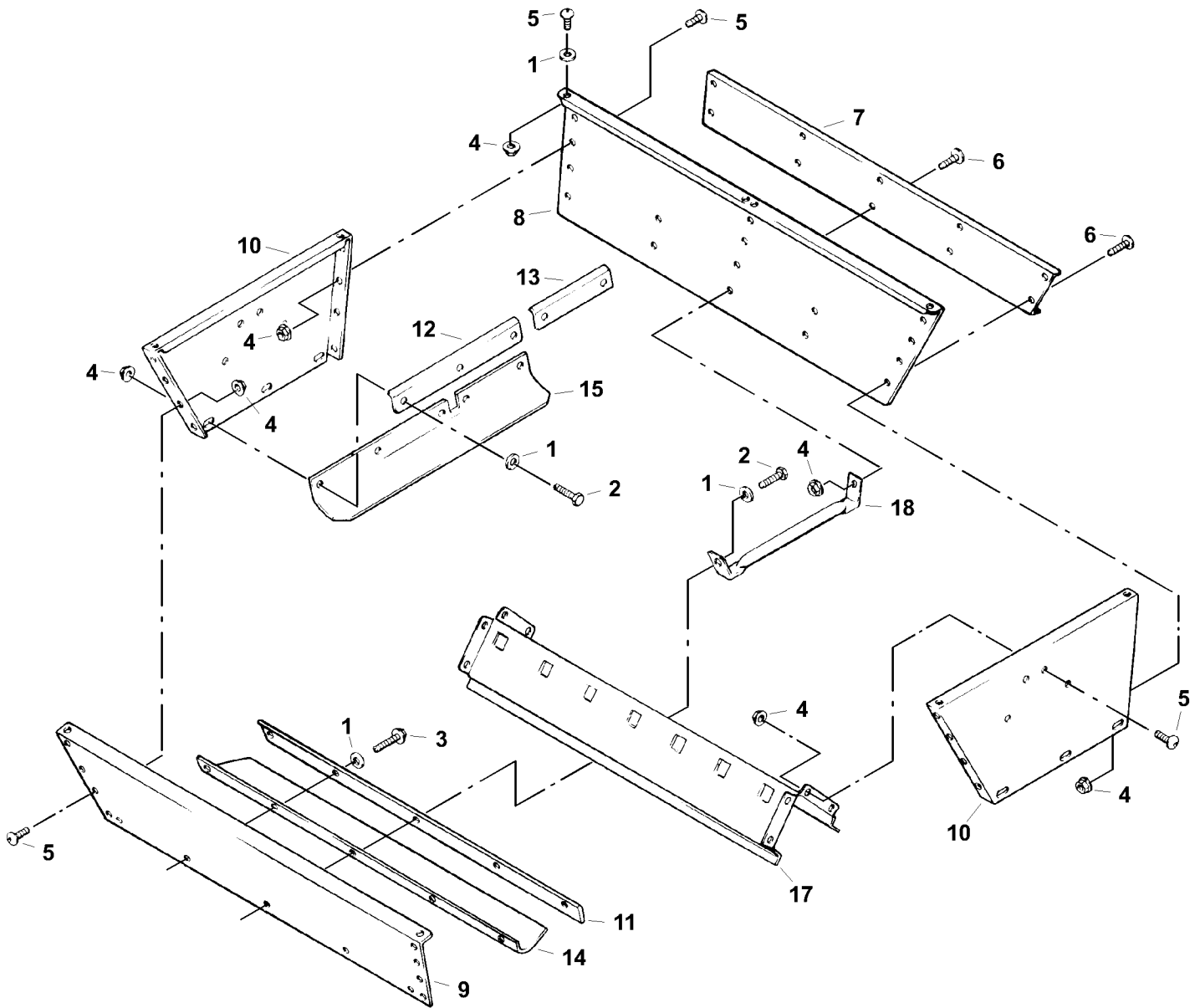
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY



Ref. No.	Part No.	Description	No. Req'd	Notes
1	306325	Lockwasher, 5/16	8	
2	306435	Screw, 5/16-18 x 1 1/4	8	
3	308091	Washer, 1/2	2	
4	515016	Key	3	
5	522723	Flange, bearing	4	
6	545786	Bearing	2	
7	548051	Nut, centerlock 1/2-13	2	
8	548128	Bearing	2	
9	548173	Washer, 1" (1 3/4 O.D.)	4	
10	548911	Nut, flangelock 5/16-18	12	
11	800557	Bolt, carriage 5/16-18 x 3/4	12	
12	800819	Screw, 1/2-13 x 4 1/2	2	
13	832405	Bearing, ball	2	
14	832440	Collar, locking	2	
15	835748	Hub, clamping	1	
16	839109	Shaft, front roller	1	
17	839112	Shaft, brush	1	
18	839131	Belt, Top Dresser	1	
19	839132	Brush, Top Dresser	1	
20	892025	Roller, front	1	
21	892026	Roller, rear	1	
22	892028	Shield, brush	1	
23	892053	Shaft, drive (rear roller)	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

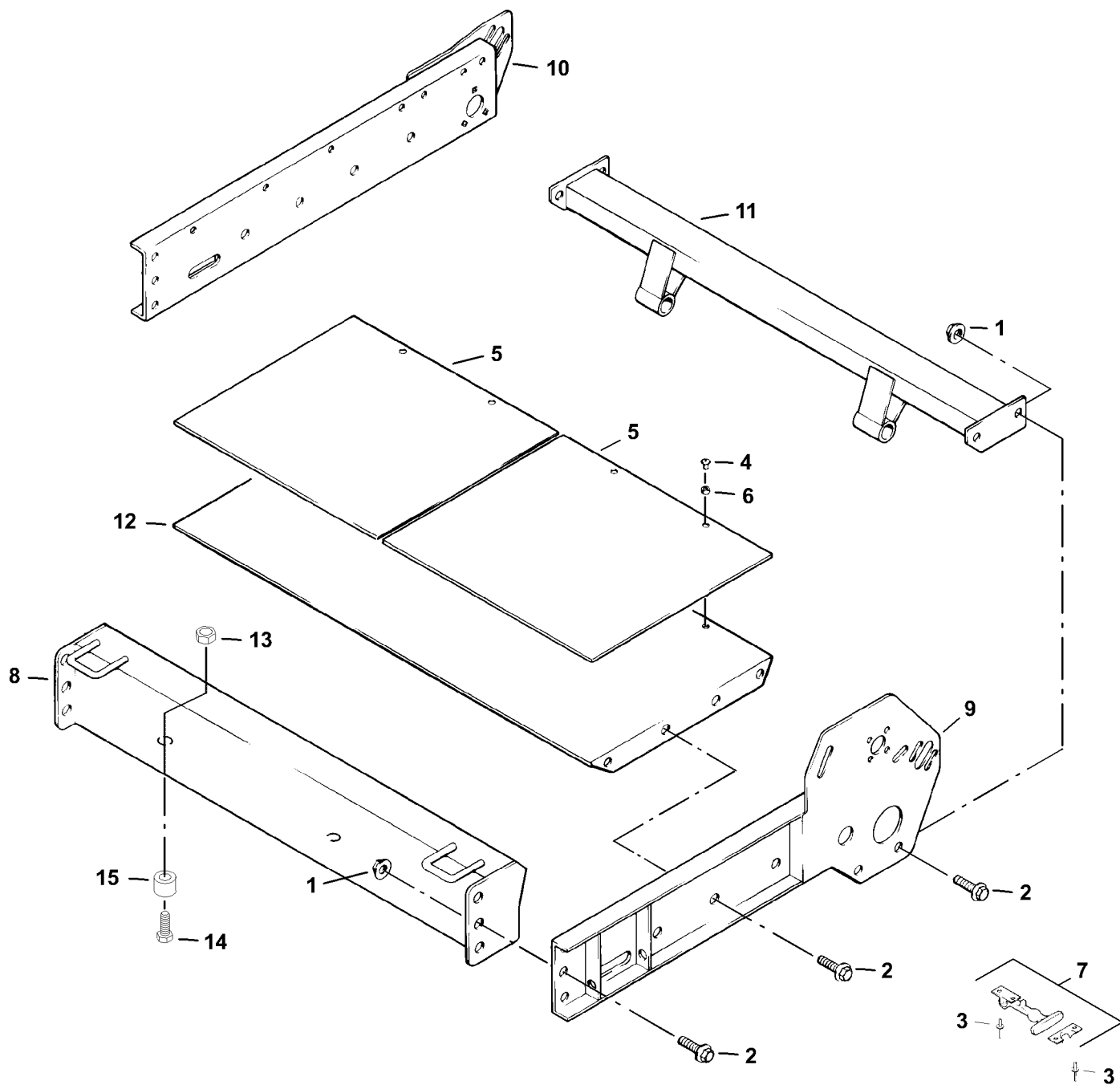
15.44 TOP DRESSER 1500



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	21	
2	306416	Screw, 5/16-18 x 1	11	
3	548604	Screw, flangelock 5/16-18 x 3/4	4	
4	548911	Nut, flangelock 5/16-18	44	
5	800629	Screw, 5/16-18 x 1/2	35	
6	800637	Screw, 5/16-18 x 3/4	5	
7	839117	Support, hopper, rear	1	
8	839118	Panel, hopper, rear	1	
9	839119	Panel, hopper, front	1	
10	839120	Panel, hopper, side	2	
11	839126	Strap, seal, front	1	
12	839127	Strap, seal, side	2	
13	839128	Strap, seal, rear	2	
14	839134	Seal, hopper, front	1	
15	839135	Seal, hopper, side	2	
16	817320	Clamp	1	
17	839275	Tunnel	1	
18	869089	Rod, support	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

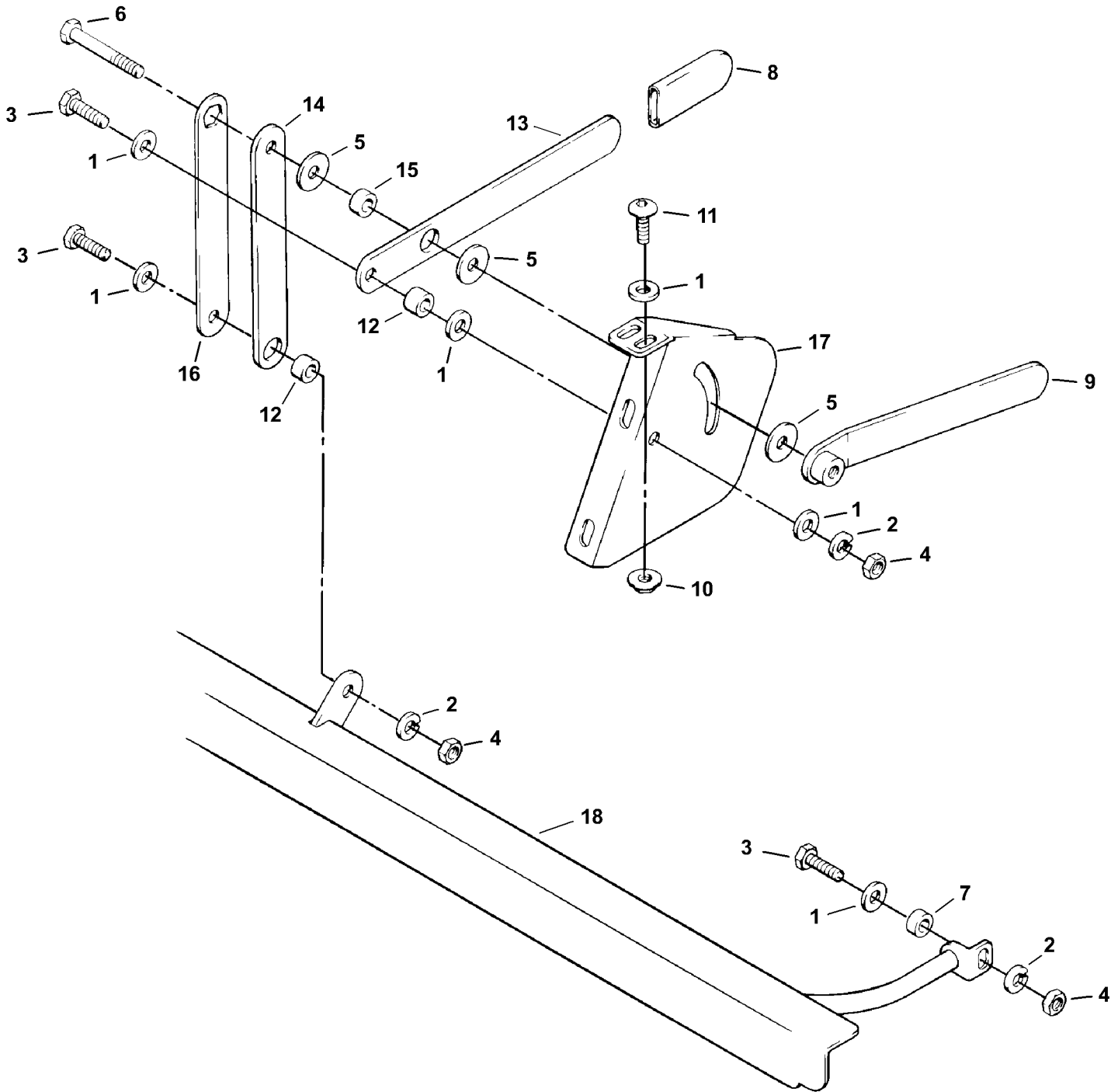
15.44 TOP DRESSER 1500



Ref. No.	Part No.	Description	No. Req'd	Notes
1	800379	Nut, flangelock 1/2-13	10	
2	800380	Screw, flangelock 1/2-13 x 1 1/4	18	
3	800634	Rivet, pop 1/8 x 5/8	2	
4	800636	Rivet, pop 3/16 x 15/16	4	
5	839129	Liner, bed	2	
6	839130	Spacer, bed liner	4	
7	888102	Latch	1	
8	892019	Panel, frame, front	1	
9	892020	Panel, frame, left	1	
10	892021	Panel, frame, right	1	
11	892023	Support, frame, rear	1	
12	892024	Bed	1	
13	450452	Nut, M6-1.00	2	
14	450544	Screw, M6-1.00 x 30	2	
15	844898	Spacer	2	

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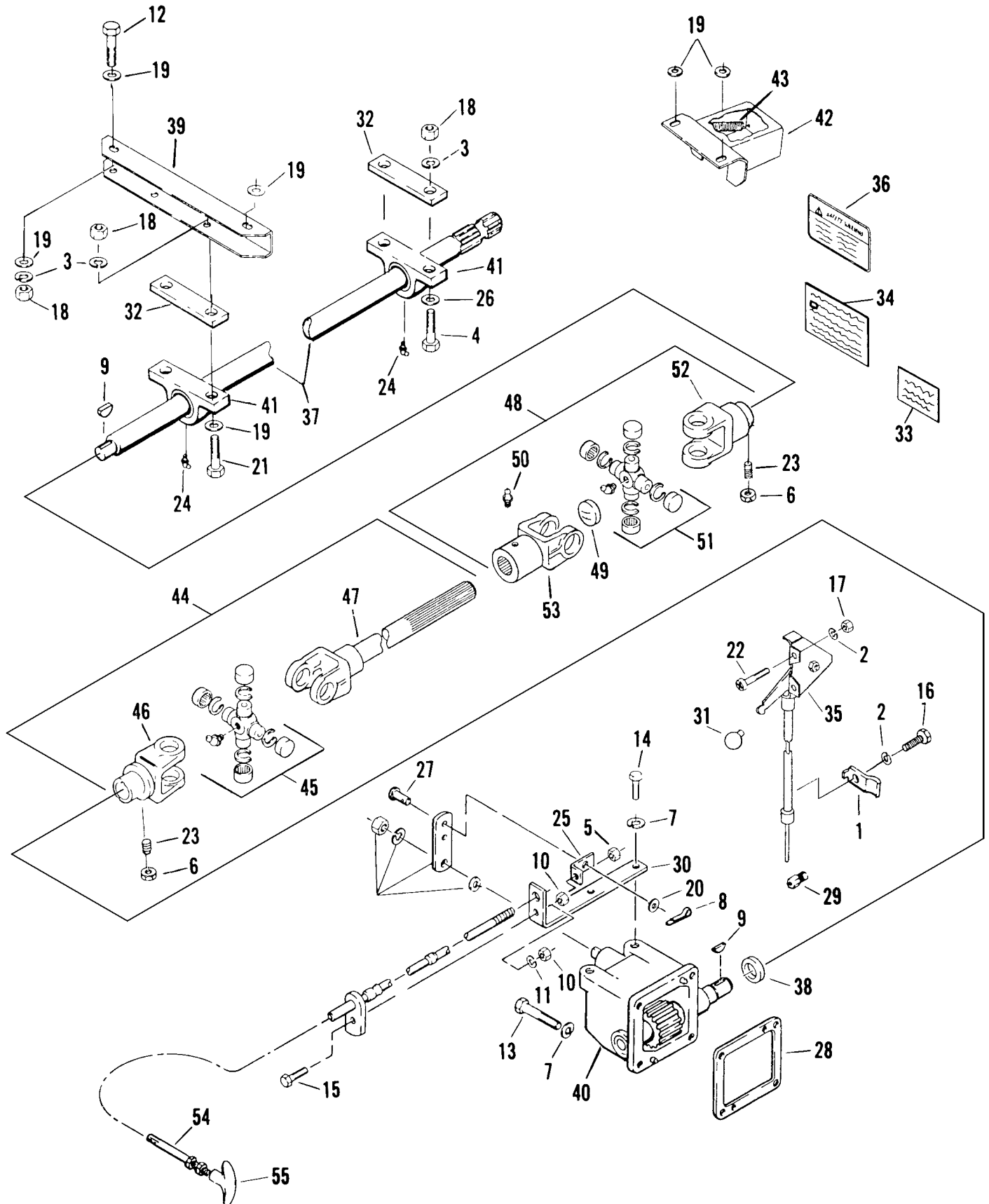
15.44 TOP DRESSER 1500



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	10	
2	306325	Lockwasher, 5/16	4	
3	306416	Screw, 5/16-18 x 1	4	
4	306932	Nut, 5/16-18	4	
5	308091	Washer, 1/2	4	
6	311840	Screw, 1/2-13 x 2	1	
7	517226	Bushing	2	
8	521144	Cover, handle	2	
9	545449	Handle	1	
10	548911	Nut, flangelock 5/16-18	4	
11	800637	Screw, skt. hd. 5/16-18 x 3/4	4	
12	819337	Bushing	2	
13	835732	Lever, control	1	
14	835733	Lever, gate	1	
15	836110	Bushing	1	
16	836557	Strap	1	
17	839125	Bracket, lever mounting	1	
18	892027	Gate, metering	1	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.45 HEAVY DUTY POWER TAKE OFF

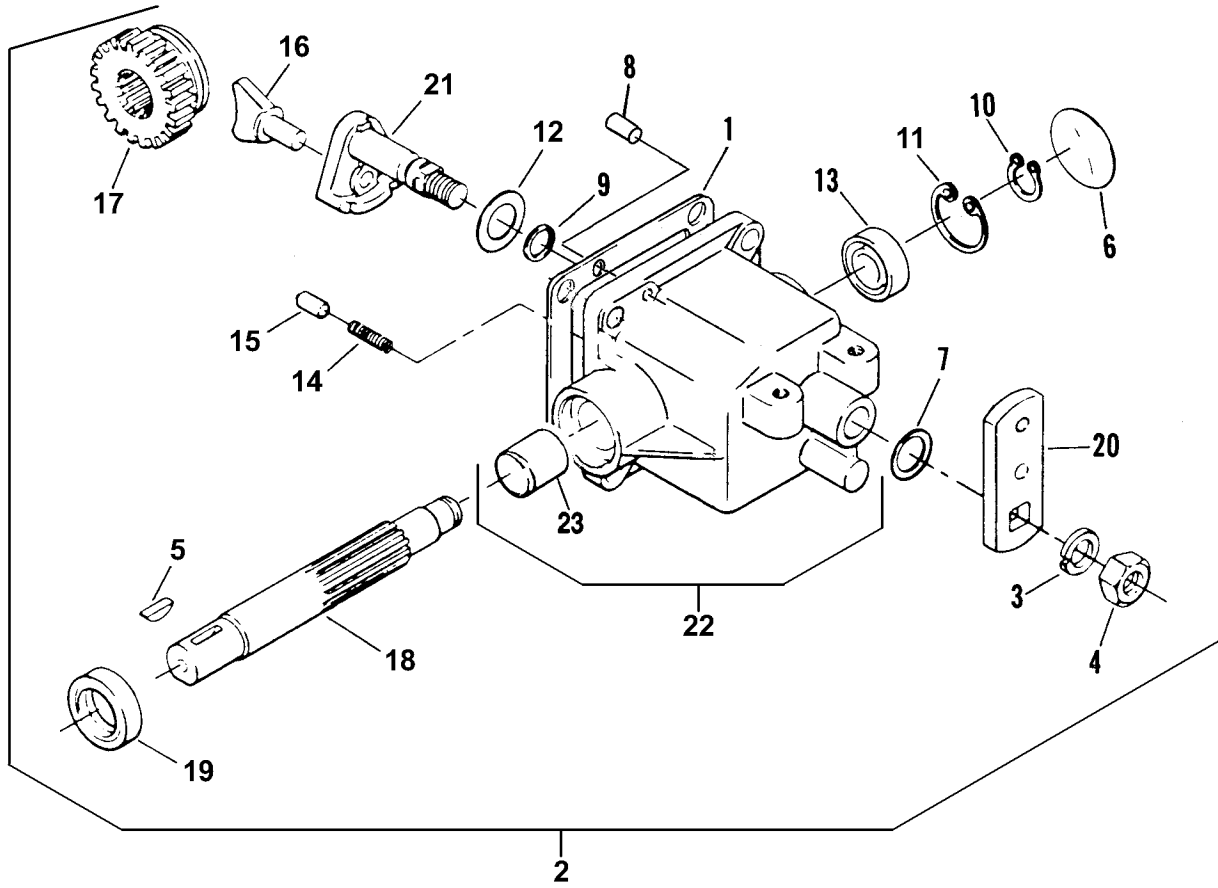


HEAVY DUTY POWER TAKE OFF 15.45

Ref. No.	Part No.	Description	No. Req'd	Notes
1	887491	Heavy duty P.T.O. set w/drive shaft, complete . . .	1	
1	111898	•Clamp, cable	1	
2	120052	•Lockwasher, #10	3	
3	120177	•Lockwasher, 3/8"	6	
4	131794	•Screw, 3/8–16 x 2"	2	
5	132520	•Nut, #10–32	2	
6	304632	•Nut, 3/8–16	2	
7	306325	•Lockwasher, 5/16"	2	
8	306328	•Pin, cotter, 3/32" x 3/4"	1	
9	306367	•Key, #9, woodruff	2	
10	306375	•Nut, 1/4–20	1	
11	306396	•Lockwasher, 1/4"	1	
12	306414	•Screw, 3/8–16 x 1"	2	
13	306435	•Screw, 5/16–18 x 1 1/4"	4	
14	306450	•Screw, 5/16–18 x 3/4"	2	
15	306487	•Screw, 1/4–20 x 5/8"	1	
16	306514	•Screw, #10–24 x 1/2"	1	
17	306531	•Nut, #10–24	2	
18	306562	•Nut, 3/8–16	6	
19	306981	•Washer, 3/8"	5	
20	308090	•Washer, 1/4"	1	
21	551094	•Screw, 3/8–16 x 1 3/4"	1	
22	800271	•Screw, #10–24 x 1/2", P.T.H.	2	
23	800289	•Screw, 3/8–16 x 3/4", set	2	
24	807442	•Fitting, lubrication, 90°	1	
25	808689	•Bracket, cable	1	
26	809168	•Washer, special	2	
27	813379	•Pin, clevis	1	
28	815188	•Gasket, P.T.O.	1	
29	817104	•Stop, cable	1	
30	826702	•Bracket, cable support	1	
31	827821	•Knob	1	
32	828034	•Spacer	2	
33	828080	•Decal, P.T.O.	1	
34	828083	•Decal, P.T.O. operating instruction	1	
35	830786	•Cable, governor control	1	
36	830835	•Decal, safety warning	1	
37	831300	•Shaft, P.T.O.	1	
38	831302	•Spacer, P.T.O. gear box shaft	1	
39	831354	•Channel	1	
40	880808	•P.T.O. gear box	1	
41	885866	•Block pillow	2	
42	887174	•Bracket and cover	1	
43	830839	••Spring, P.T.O. cover	1	
44	888404	•Yoke and shaft FRONT	1	
45	826284	••Kit, drive shaft repair	As Req'd	
46	827033	••Yoke	1	
47	888405	••Yoke and shaft	1	
48	888406	•U-joint, REAR	1	
49	548482	••Plug, expansion	1	
50	807439	••Fitting, lubrication, 1/4–28, straight	1	
51	826284	••Kit, drive shaft repair	As Req'd	
52	827033	••Yoke	1	
53	832958	••Yoke	1	
54	889106	•Cable, shifter	1	
55	834996	••Knob, cable	1	

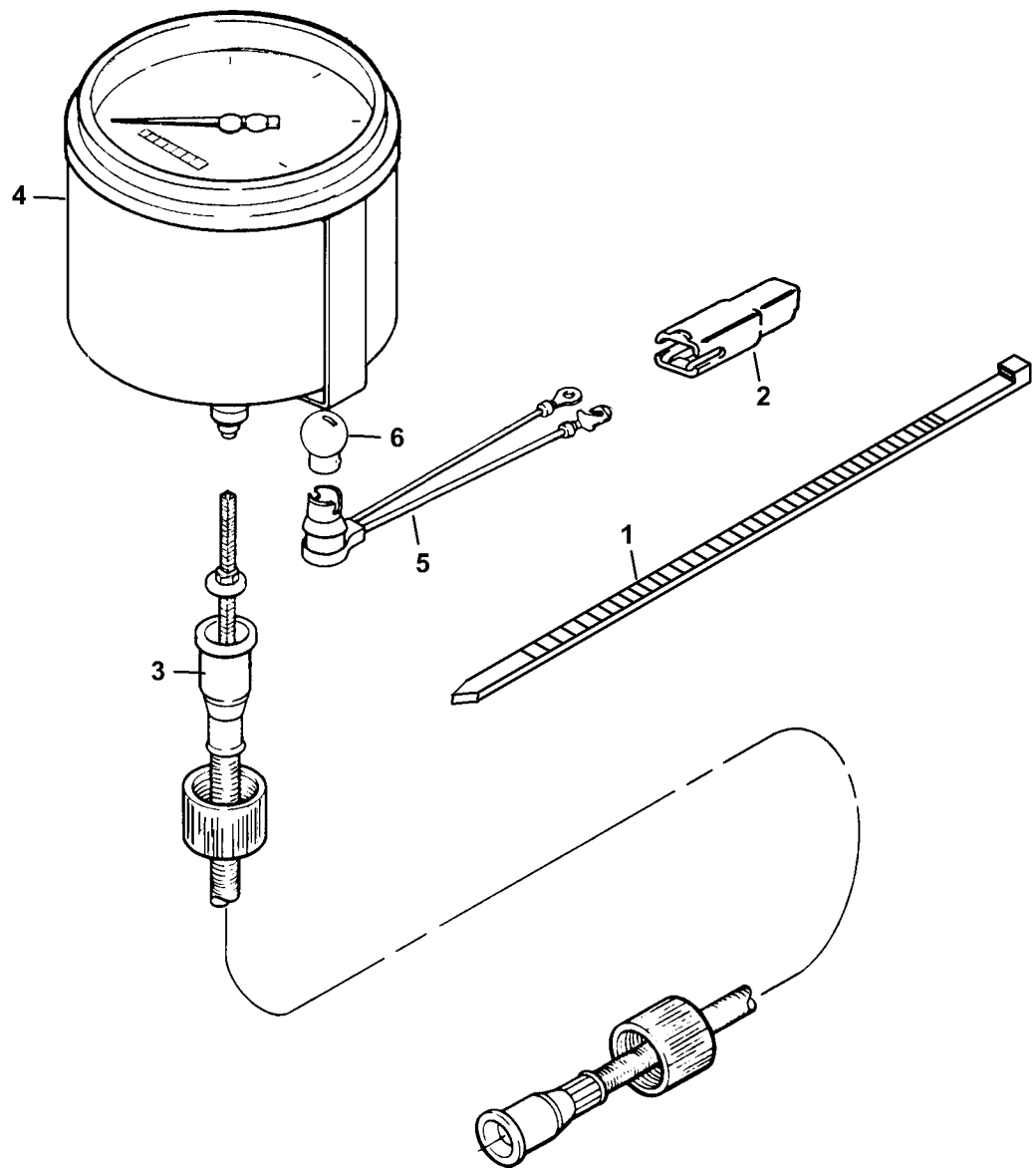
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY

15.46 POWER TAKE OFF GEARBOX



Ref. No.	Part No.	Description	No. Req'd	Notes
1	815188	Gasket	1	
2	880808	P.T.O. Gearbox, complete	1	
3	120166	•Lockwasher, 1/2	1	
4	301988	•Nut, 1/2-20	1	
5	306367	•Key, woodruff, #9	1	
6	800257	•Plug, expansion, 1 9/16	1	
7	805307	•Shim	1	
8	806711	•Pin, dowel	2	
9	807624	•'O' ring	1	
10	809259	•Ring, bearing retaining	1	
11	809260	•Ring, bearing retaining	1	
12	812419	•Shim, .024	1	
13	812899	•Bearing, ball	1	
14	815012	•Spring	1	
15	815013	•Button	1	
16	815085	•Fork, shifter	1	
17	815182	•Gear, P.T.O. sliding	1	
18	815184	•Shaft, P.T.O.	1	
19	815187	•Seal, P.T.O. shaft	1	
20	817397	•Arm, P.T.O. shifter	1	
21	879807	•Lever, shifter	1	
22	879808	•Case, P.T.O.	1	
23	815186	••Bushing	1	

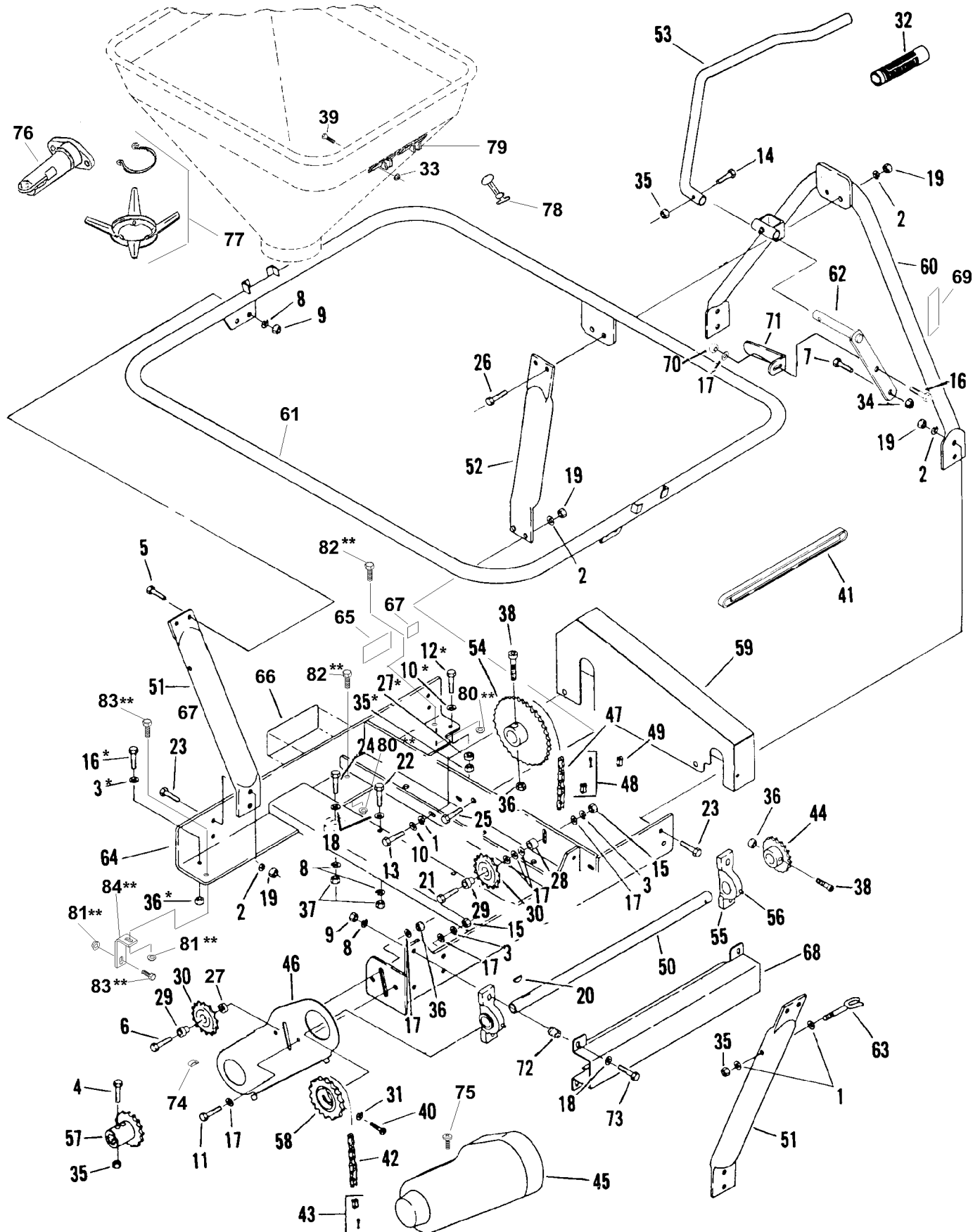
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY



Ref. No.	Part No.	Description	No. Req'd	Notes
	886776	Speedometer set, complete	1	
1	823549	•Tie, cable, 15" (368 mm)	1	
2	826726	•Connector, single contact	1	
3	884823	•Cable, speedometer	1	
4	886725	•Head, speedometer	1	
5	886770	••Lamp	1	
6	811953	•••Bulb, light, #53	1	

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15.48 VICON SPREADER

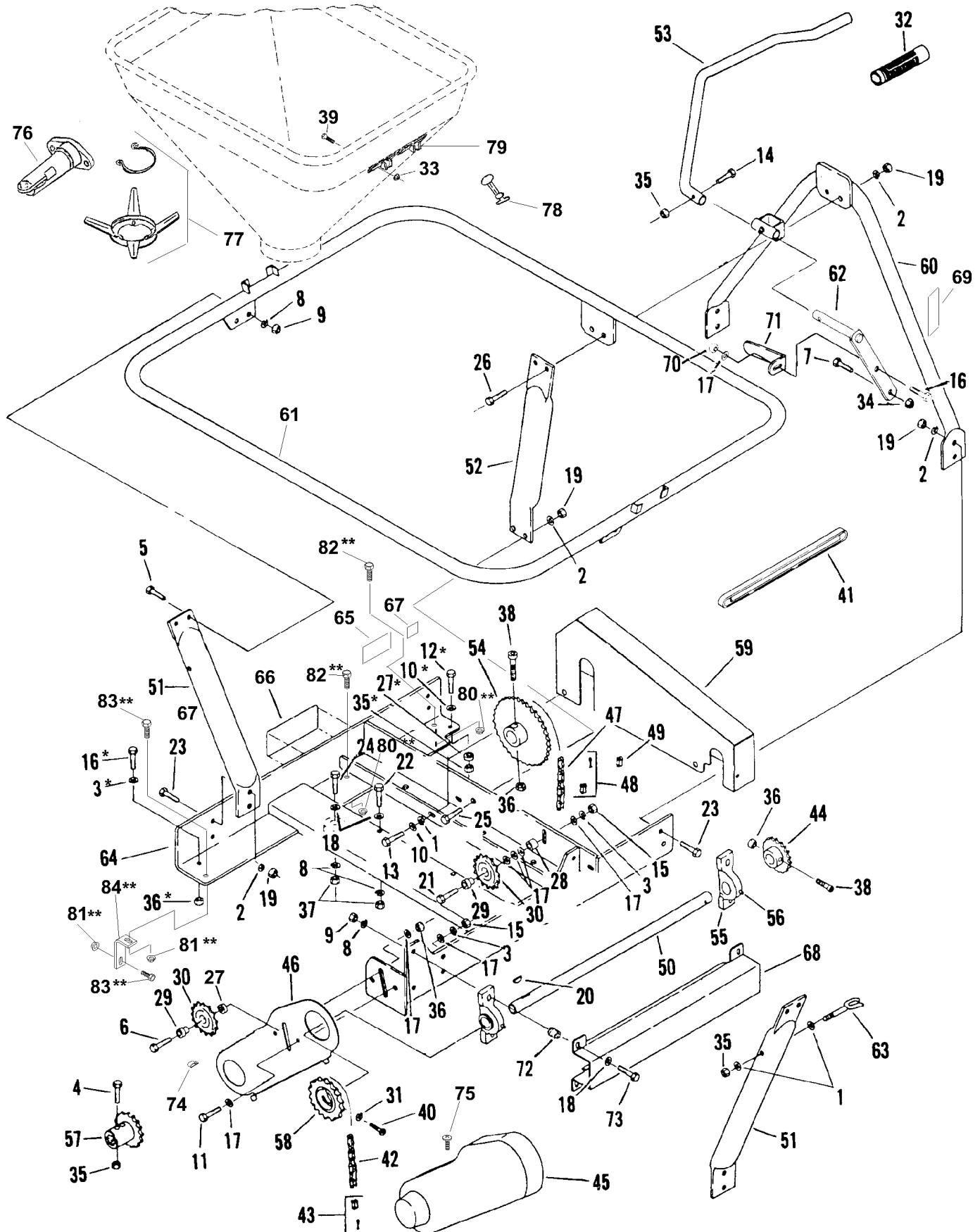


* USED ON JR. TURF TRUCKSTERS AND OLDER (1998 & PRIOR) MODEL TURF TRUCKSTERS ONLY.
 ** USED ON 1998 AND NEWER TURF TRUCKSTERS ONLY.

Ref. No.	Part No.	Description	No. Req'd	Notes
	894606	VICON spreader	1	
	OR			
	894613	Frame Kit ONLY	1	
1	103867	•Washer, 5/16	8	
2	120166	•Lockwasher, 1/2	12	
3	120177	•Lockwasher, 3/8	5	
4	130167	•Screw, 5/16–18 x 2 1/4	1	
5	130538	•Screw, 7/16–14 x 1 1/4	4	
6	131794	•Screw, 3/8–16 x 2	1	
7	302030	•Screw, 1/4–20 x 1 1/4	1	
8	303269	•Lockwasher, 7/16	12	
9	304364	•Nut 7/16–14	8	
10	306325	•Lockwasher, 5/16	6	
11	306414	•Screw, 3/8–16 x 1	2	
12	306423	•Screw, 5/16–18 x 1 3/4	2	
13	306450	•Screw, 5/16–18 x 3/4	4	
14	306501	•Screw, 5/16–18 x 1 1/2	1	
15	306562	•Nut, 3/8–16	3	
16	306835	•Screw, 3/8–16 x 1 1/4	3	
17	306981	•Washer, 3/8	10	
18	306982	•Washer, 7/16	8	
19	308332	•Nut, 1/2–13	12	
20	309855	•Key, woodruff	1	
21	311213	•Screw, 3/8–16 x 3	1	
22	311392	•Screw, 7/16–14 x 2	2	
23	311393	•Screw, 1/2–13 x 1 1/4	10	
24	311395	•Screw, 7/16–14 x 1 3/4	4	
25	311401	•Screw, 1/2–13 x 1 1/2	2	
26	312176	•Screw, 1/2–13 x 1 3/4	2	
27	831836	•Bushing	3	
28	522653	•Bushing	1	
29	523100	•Bushing	2	
30	547596	•Sprocket, idler	2	
31	548183	•Lockwasher, 5/16, heavy	1	
32	548518	•Grip, hand	1	
33	800698	•Nut, 3/8–16, flangelock	8	
34	800059	•Nut, 1/4–20, lock	1	
35	800290	•Nut, 5/16–18, lock	6	
36	800292	•Nut, 3/8–16, lock	5	
37	800294	•Nut, 7/16–14, lock	4	
38	800438	•Screw, 3/8–16 x 2, socket hd.	2	
39	800500	•Bolt, 3/8–16 x 1 1/4, carriage	8	
40	800513	•Screw, 5/16–18 x 1 1/4, socket hd.	1	

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15.48 VICON SPREADER

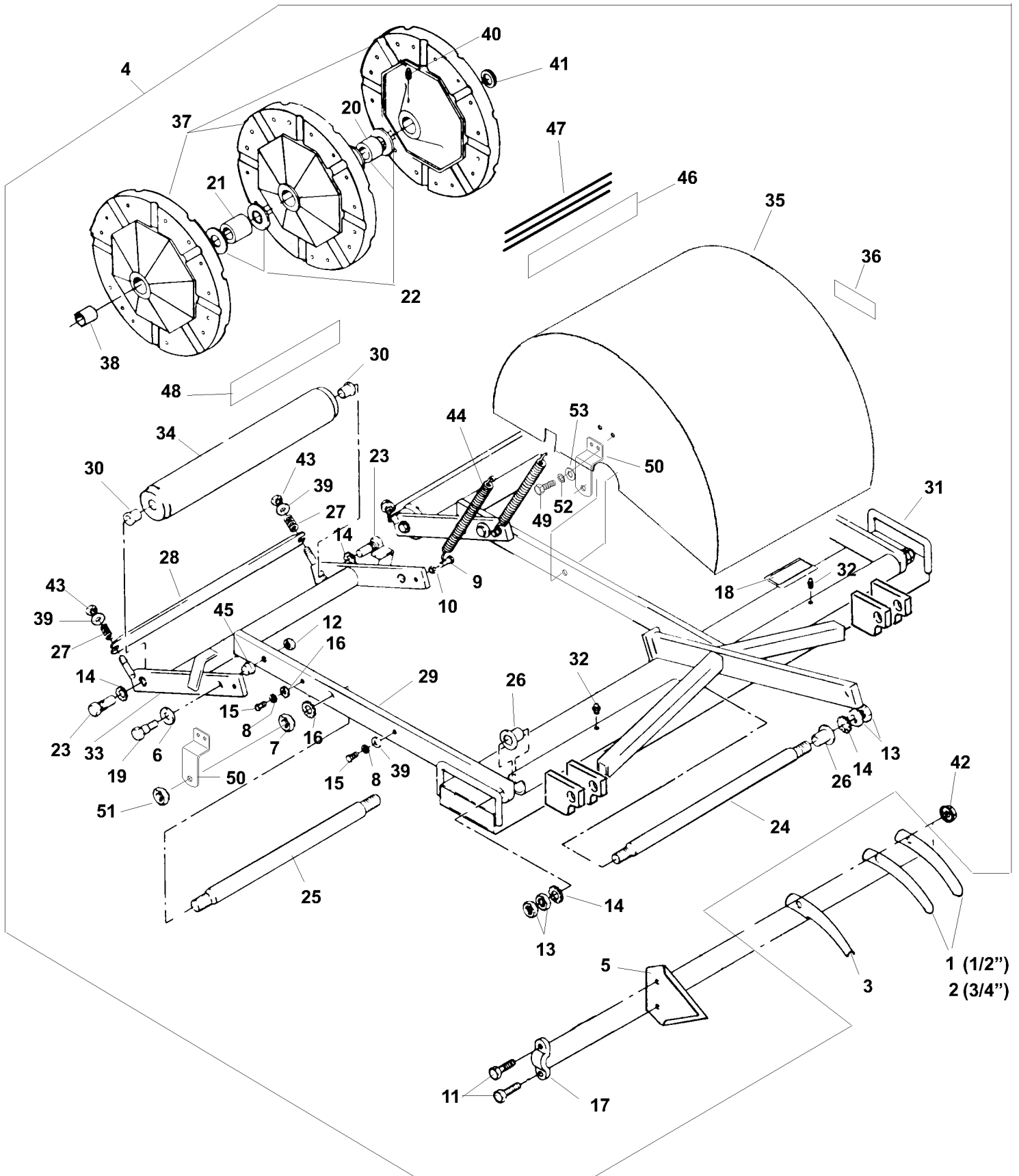


* USED ON JR. TURF TRUCKSTERS AND OLDER (1998 & PRIOR) MODEL TURF TRUCKSTERS ONLY.
 ** USED ON 1998 AND NEWER TURF TRUCKSTERS ONLY.

Ref. No.	Part No.	Description	No. Req'd	Notes
41	888568	Lock, cylinder (not included)	1	
42	889851	•Chain, roller, #50, 67 links	1	
43	548481	••Link, connector	1	
44	831625	•Sprocket, 16 tooth	1	
45	831895	•Cover, chain guard	1	
46	832978	•Plate,guard	1	
47	889853	•Chain, roller, #50, 77 links	1	
48	548480	••Link, half	1	
49	548481	••Link, connector	1	
50	833151	•Shaft, drive	1	
51	833157	•Tube, support, side	2	
52	833162	•Tube, support, center	1	
53	833167	•Tube, handle	1	
54	885023	•Sprocket, spreader	1	
55	885866	•Pillow block	2	
56	807439	••Fitting, lubrication	1	
57	887612	•Sprocket, P.T.O.	1	
58	887613	•Sprocket, 20 tooth	1	
59	888432	•Guard,chain	1	
60	893088	•Tube, front w/decals	1	
61	888434	•Ring, support	1	
62	888436	•Lever, gate	1	
63	888437	•Hook, holddown	2	
64	888498	•Frame w/decals	1	
65	840990	••Decal, information, Vicon	1	
66	844639	••Decal, ground speed	1	
67	009039290	••Decal, C.E.	1	
68	897102	•Cover, drive shaft w/decal	1	
69	840901	•Decal, warning	2	
70	800698	•Nut, 3/8–16, flangelock	1	
71	837105	•Stop	1	
72	825450	•Bushing	4	
73	319773	•Screw, 7/16–14 x 2 1/2	4	
74	800449	•Nut, 1/4–20, speed 'J' w/nut	1	
75	833830	•Screw, shoulder	1	
76	833060	•Spout	1	
77	833089	•Extension, agitator	1	
78	833131	•Tie down	2	
79	833134	•Block, mounting	4	
80	548804	•Nut, 3/8–16	4	
81	548911	•Nut, 5/16–18	4	
82	800709	•Screw, 3/8–16 x 1	4	
83	800710	•Screw, 5/16–18 x 1	4	
84	828819	•Bracket, angle	2	

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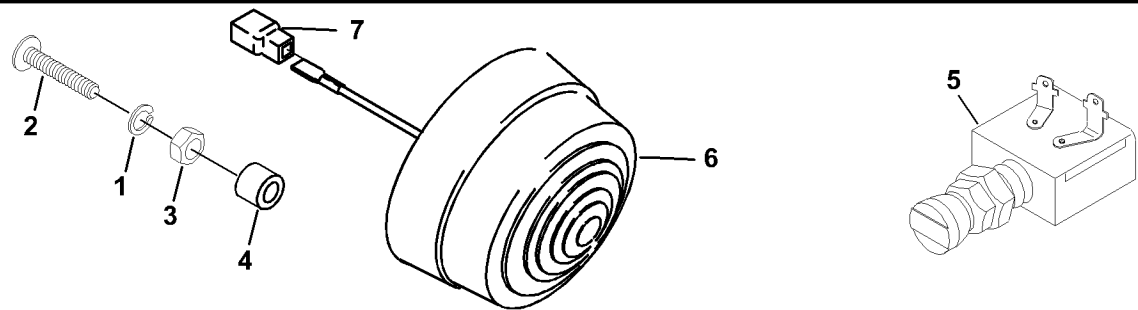
15.49 QUICK AERATOR SET



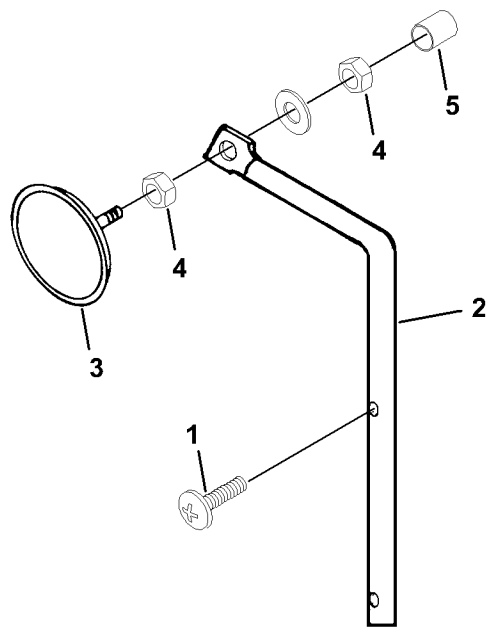
Ref. No.	Part No.	Description	No. Req'd	Notes
1	515196	Tine, coring, 1/2"	48	
2	515197	Tine, coring, 3/4"	48	
3	520404	Tine, aerating	48	
4	890955	Quick aerator set, complete	1	
5	521155	•Knife, deep slicing	48	
6	103937	•Washer, 5/8"	4	
7	305134	•Nut, 7/8–14	8	
8	306025	•Lockwasher, 3/8", E.T. shkp.	8	
9	306414	•Screw, 3/8–16 x 1"	4	
10	306562	•Nut, 3/8–16	4	
11	306836	•Screw, 3/8–16 x 2 1/4"	96	
12	306933	•Nut, 1/2–13	4	
13	307665	•Nut, 3/4–16	8	
14	309799	•Lockwasher, 3/4", E.T. shkp.	8	
15	311415	•Screw, 3/8–16 x 1/2"	8	
16	316954	•Lockwasher, 7/8", E.T. shkp.	8	
17	515198	•Clamp, tine	48	
18	519842	•Decal, operating instructions	1	
19	521108	•Bolt, shoulder	4	
20	521109	•Sleeve, axle, short	2	
21	521110	•Sleeve, axle, long	2	
22	521111	•Spacer, wheel	8	
23	521112	•Axle, roller	4	
24	521113	•Pivot, lifting arm	2	
25	521114	•Axle	2	
26	521115	•Bearing, flanged, pivot arm	4	
27	521119	•Spring, scraper	4	
28	521120	•Scraper	2	
29	521121	•Arm, lifting	4	
30	521584	••Bearing, flanged, roller	4	
31	540099	•Frame, hitch	1	
32	548230	••Fitting, lubrication	2	
33	545262	•Arm, roller	2	
34	545263	•Roller	2	
35	894297	•Guard, tine	2	
36	869081	••Decal, Danger, hand & feet	2	
37	546048	•Wheel, tine	6	
38	515184	••Bushing	2	
39	548164	•Washer, 3/8"	12	
40	548230	•Fitting, lubrication	8	
41	548256	•Seal, oil, wheel	12	
42	548804	•Nut, 3/8–16, flangelock	96	
43	800292	•Nut, 3/8–16, lock	4	
44	817707	•Spring	4	
45	521117	•Bearing, flanged, roller frame	4	
46	835427	•Decal, CUSHMAN	1	
47	838494	•Decal, stripe, 20' (6.1 M)	As Req'd	
48	839186	•Decal, Quick Aerator	1	
49	306450	•Screw, 5/16–18 x 3/4	8	
50	843202	•Bracket, cover mount	4	
51	800931	•Nut, 7/8–14	4	
52	306325	•Lockwasher, 5/16	8	
53	103867	•Washer, 5/16	8	

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15.50 DOME LIGHT AND MIRROR

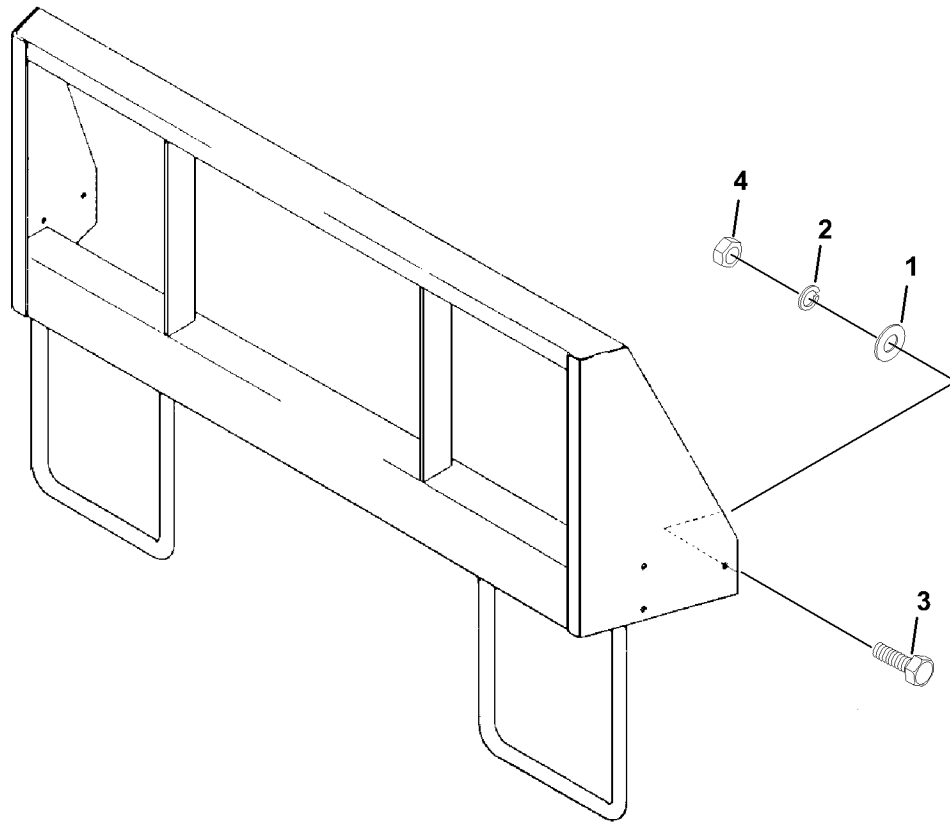


Ref. No.	Part No.	Description	No. Req'd	Notes
	696	Dome light modification, complete	1	
1	120052	•Lockwasher, #10	2	
2	303724	•Screw, #10–24 x 1 1/4, rd. hd.	2	
3	306531	•Nut, #10–24	2	
4	823560	•Bushing	2	
5	832094	•Switch, light	1	
	887631	•Harness	1	Not Illustrated
6	887633	•Light, dome, bulb #1156	1	
7	826726	••Connector, single contact	1	
	887514	••Harness	1	Not Illustrated



Ref. No.	Part No.	Description	No. Req'd	Notes
	885903	Mirror set, complete	1	
1	800024	•Screw, 1/4–20 x 1 1/2" P.T.H.	4	
2	831005	•Arm, mirror	2	
3	887246	•Mirror w/hardware	2	
4	306397	••Nut, 1/4–28	2	
5	823201	••Cap, mirror mounting	2	

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Ref. No.	Part No.	Description	No. Req'd	Notes
	889445	Bumper set, complete	1	
1	103867	•Washer, 5/16"	6	
2	306325	•Lockwasher, 5/16"	6	
3	306416	•Screw, 5/16-18 x 1"	6	
4	306932	•Nut, 5/16-18	1	

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INDEX MAINTENANCE SECTION

A ccessories	16	M aintenance	7
Air Cleaner	9	Maintenance Guide	7
Alternator	12	Model Number	1
Auxiliary Transmission	3	O dometer/Speedometer	16
B attery	12	Oil, Engine	10
C ontrols	3	Oil, Hydraulic	4
D ifferential	8	P aint, Touch-up	16
Drive Transmission	8	Pedal Bushings Lubrication	10
E ngine Access	8	Power Take Off Accessory	3
Engine Identification Numbers	1	Power Take Off Operation	4
Engine Maintenance	8	R OPS	16
Engine Oil	10	S eat Belt	16
Extended Storage	16	Serial Number	1
F ront Tire Removal (3-Wheel)	14	Service Parts & Support Material	1
Fuses	12	Specifications	2
H ydraulic Lift System	5	Speedometer/Odometer	16
Hydraulic Oil	4	Storage	16
Hydraulic System	4	T ire Pressure	15
I dentification Numbers	1	Tire Removal	14
J acking the Vehicle	13	Tire Replacement	15
Jump Starting Battery	13	Tires	14
L ubricating Pedal Bushings	10	Touch-up Paint	16
Lubrication Chart	11	Towing	12
Lubrication Recommendations	10	Towing a Trailer	12
		Towing the Vehicle	12
		Transmission, Drive	8
		W indshield Wiper Motor Switch	16

INDEX PARTS SECTION

A ir Induction Components	50	B attery Box	86
Alternator	76	Brakes (3 Wheel)	38
Alternator Mounting	78	Brakes (4 Wheel)	40
Auxiliary Shifter Linkage	74	Brakes, Front (4 Wheel)	34
Auxiliary Transmission	70	Brakes, Rear	32
Axle, Front (3 Wheel)	28	Bumper, Front	127
Axle, Front (4 Wheel)	30		

C ab Set	96	L inkage, Shifter	72
Cable, Control	94	Linkage, Throttle	80
Clamps	88	M ain Frame (3 Wheel)	18
Clips	88	Main Frame (4 Wheel)	20
Cloth Door Set	102	Master Cylinder	36
Clutch	64	Mirror and Dome Light	126
Control Cables	94	Muffler	82
D ash Panel	44	P arking Brake	42
Differential	54	Platform Frame (3 Wheel)	18
Dome Light and Mirror	126	Platform Frame (4 Wheel)	20
Door Set, Cloth	102	Plugs, Hole	88
Door Set, Steel	100	Polyethylene Box	52
Drag Mat	95	Power Take Off	116
Drive Shaft	59	Power Take Off Gearbox	118
Drive Transmission	66	Q uick Aerator	124
E ngine Cover	46	R ear Brakes	32
Engine Filters	62	Remote Hydraulics	92
Engine Mounts	62	S eat	48
Exhaust	82	Shifter Linkage	72
F ender, Rear	61	Shifter Linkage, Auxiliary	74
Frame, Main (3 Wheel)	18	Spark Arrestor	95
Frame, Main (4 Wheel)	20	Speedometer	119
Frame, Platform (3 Wheel)	18	Steel Door Set	100
Frame, Platform (4 Wheel)	20	Steering Components (3 Wheel)	22
Front Axle (3 Wheel)	28	Steering Components (4 Wheel)	24
Front Axle (4 Wheel)	30	Suspension	58
Front Brakes (4 Wheel)	34	Switches	90
Front Bumper	127	T erminals	90
Front Fork (3 Wheel)	26	Throttle Linkage	80
Front Hub (3 Wheel)	28	Tires	87
Front Panel	44	Top Dresser	106
Fuel Tank	60	Transmission, Auxiliary	70
G earbox, Power Take Off	118	Transmission, Drive	66
Grommet	88	Turn Signal	104
Gauges	90	V icon Spreader	120
H eadlight	44		
Hydraulic Brakes (3 Wheel)	38		
Hydraulic Brakes (4 Wheel)	40		
Hydraulic Lift System	84		

PART NUMBER INDEX

Part No.	Page				
2702167	71	548480	123	812904	65
323772	91	548481	123	812906	65
385174	35	548518	121	812907	65
393301	91	548960	107	812911	65
515196	125	805030	33, 35	812913	65
515197	125	805407	71	812916	65
515198	125	805444	81	812988	65
517996	107	805451	99	813688	89
519842	125	805860	33, 35, 87	813850	58
520404	125	807332	58	814204	57
521109	125	807366	71	814481	57
521110	125	807472	85	814482	57
521111	125	808689	75	815012	118
521112	125	809231	41	815085	118
521113	125	809257	33	815151	67
521114	125	809259	118	815157	67
521115	125	809260	118	815158	67
521119	125	809381	103	815161	69
521120	125	810149	19, 21	815165	69
521121	125	810152	19, 21	815166	69
521144	115	810666	25	815167	69
521155	125	811775	33, 35	815168	69
521584	125	811918	37	815179	69
522107	85	811994	71	815182	118
522110	85, 93	811995	71	815184	118
522113	85	811997	71	815187	118
522200	85	811998	71	815188	118
522723	109	812007	71	815403	35
523224	53	812008	71	815421	39, 41
540099	125	812009	71	815474	87
540401	107	812010	71	815847	86
545262	125	812011	71	816456	23
545263	125	812218	58	816653	23
545449	115	812313	86	816654	23
545786	109	812335	71	816660	23
545809	85	812364	37	816674	23
546048	125	812368	43	816675	23
547596	121	812896	65	816825	57
547662	107	812899	65	816867	77
548128	109	812902	65	817104	43
548171	93	812903	65	817250	35
				817320	93
				817397	118
				817707	125
				818962	89
				819337	115
				820008	39
				820958	41
				820959	41
				821002	21
				821153	33
				821154	33
				821893	21, 93
				822139	95
				822819	47
				822968	86
				823089	37, 81
				823118	85
				823119	85, 93
				823418	101
				823459	43
				823460	43
				823465	43
				823689	77
				823701	85
				823752	37
				823765	63
				824925	33
				825334	95
				825368	81
				825501	105
				825538	73
				825590	43
				825642	99
				825816	101
				825817	101
				825818	101
				825819	101
				825823	101
				825831	73
				825888	91
				825912	47
				825918	65

Part No. Page

825939	105	828623	45	830778	47	833057	60
825970	91	828668	99	830780	47	833060	123
826000	91	828682	99	830781	47	833089	123
826190	91	828694	101	830786	94, 117	833131	123
826191	91	828697	101	830790	99	833134	123
826192	91	828698	101	830815	94	833151	123
826218	63	828699	101	830835	117	833157	123
826284	59, 117	828700	101	830842	19, 21	833162	123
826285	59	828718	101	830902	97	833167	123
826311	25	828719	101	830908	45	833192	19, 21
826468	77	828731	101	831005	126	833279	91
826490	85	828736	99	831008	43	833280	91
826491	23	828819	123	831135	25	833326	45
826514	103	828934	97	831136	47	833371	45
826516	103	828935	97	831300	117	833428	81
826517	103	828945	105	831301	25	833600	81
826520	103	828972	99	831302	117	833743	73
826521	103	829038	101	831354	117	833790	60
826538	47, 85	829040	101	831421	25	833813	93
826558	85, 93	829049	39, 41	831582	97	833875	61
826711	41	829090	103	831603	83	833876	61
827019	33	829101	21	831604	83	833877	19
827033	117	829144	25, 89	831625	123	833943	45
827395	85	829158	37	831895	123	833953	60
827401	85	829159	43	832094	126	833971	99
827486	85	829405	47	832113	93	833998	103
827492	89	829515	85	832124	93	833999	101
827821	94, 117	829516	85	832285	93	834077	99
828023	117	829536	97	832395	93	834083	45
828052	85, 93	829537	97	832414	93	834751	75
828053	85	829787	60	832426	93	834891	31
828056	85	829880	19	832440	109	834979	58
828057	85	829937	93	832478	79, 85	834996	75, 117
828080	117	830167	23	832512	71	835028	71
828100	79	830168	23	832555	23	835101	93
828378	47	830355	45	832587	39, 41	835270	81
828470	91	830366	25	832649	105	835279	31
828473	91	830377	77	832798	93	835427	125
828493	99	830425	60	832900	93	835572	71, 75
828516	47	830586	85	832958	117	835732	115
828577	19	830762	19, 21	832974	95	835733	115
828609	21	830777	47	832978	123	835738	107
828613	91						

Part No. Page

835748	109	839197	105	869099	25	885023	123
835910	67	839275	111	869160	45	885033	57
836110	115	839555	25	878159	33	885034	57
836225	67	839756	79	878853	65	885042	55
836389	19	839787	31	878854	65	885465	58
836447	79	839802	79	878856	65	885476	21
836557	115	839839	65	879552	65	885783	43, 59
836663	19, 21	839885	81	879798	69	885835	45
836832	45	839886	81	879799	69	885845	25
836833	45	839898	79	879800	69	885848	91
837105	123	839899	83	879801	69	885852	25
837303	45	839902	19, 21, 63	879804	69	885866	117, 123
837406	19, 21	839906	83	879807	118	885903	126
837531	65	839939	58	879808	118	885911	97
837745	43	839956	79	879961	57	885912	97
838177	105	839971	53	879962	57	885927	101
838257	41	839998	31	880145	71	885928	101
838478	19	840016	53	880365	23	885999	91
838494	125	840018	91	880572	67	886023	99
838708	43	840020	53	880808	117, 118	886041	103
838901	73	840057	53	881109	35	886042	103
838902	73	840071	51	881152	33	886090	91
838903	73	840072	51	882574	95	886098	101
839109	109	840079	31	882931	53	886099	101
839112	109	840198	51	882971	19, 21	886131	99
839114	107	840245	59	882984	43	886148	105
839117	111	840708	83	882993	85	886162	101
839118	111	840709	83	883034	33	886163	101
839119	111	840847	85	883141	43	886164	101
839120	111	840901	123	883341	95	886165	101
839125	115	840907	45	883487	43	886173	37, 41
839126	111	840990	123	883833	45	886186	43
839127	111	841285	69	884120	87	886204	57
839128	111	842502	63	884402	33	886205	57
839129	113	842504	63	884675	85	886270	85
839130	113	842510	63	884701	103	886292	35
839131	109	842514	63	884702	103	886346	85
839132	109	843202	125	884750	23	886371	33, 35, 39, 41
839134	111	844639	123	884819	49	886383	97
839135	111	844898	113	884820	49	886384	97
839136	107	869081	125	884823	119	886444	37
839181	73	869089	111	884985	43	886447	99
839186	125						

Part No. Page

886448	99	888406	117	889526	69	892116	73
886497	99	888418	93	889593	33, 35	892117	73
886725	119	888432	123	889608	60	892188	31
886776	119	888434	123	889673	91	892190	31
886791	47	888436	123	889843	29	892207	107
886874	37	888437	123	889844	29	892208	107
886875	37, 39	888438	103	889845	29	892212	31
886883	23	888498	123	889851	123	892213	31
886996	49	888527	23, 25	889853	123	892440	81
887044	65	888568	123	889866	19, 21	892442	83
887066	85	888599	21	889878	87	892446	21
887085	85	888664	103	890054	19	892463	73
887174	117	888665	103	890108	85	892475	81
887175	83	888684	99	890164	83	892484	53
887187	58	888694	73	890510	101	892533	51
887188	58	888697	73	890808	65, 91	892537	31
887213	101	888743	41	890809	65	892538	31
887215	91	888744	39	890955	125	892649	59
887246	97, 126	888755	60	891087	43	892650	59
887284	33, 35	888761	65	891474	43	892734	59
887443	47	888780	103	891487	31	892736	59
887491	117	888781	103	891488	31	892754	47
887512	31	888815	99	891884	105	892792	81
887514	126	888831	99	891929	83	892882	99
887516	25	888832	99	891949	73	893067	75
887597	25	888835	99	891951	73	893088	123
887612	123	888836	99	892019	113	893099	43
887613	123	888842	99	892020	113	893371	77, 79
887631	126	889072	97	892021	113	894297	125
887633	126	889073	97	892023	113	894519	71
887750	31	889106	117	892024	113	894606	121
887822	105	889114	71	892025	109	894613	121
887893	71, 75	889155	93	892026	109	894701	93, 107
888042	79, 85	889159	45	892027	115	894702	93, 107
888089	105	889423	107	892028	109	894790	103
888102	107, 113	889470	60	892029	107	894791	103
888292	103	889490	91	892031	107	894886	71
888361	49	889491	91	892053	109	897102	123
888404	117	889525	69	892107	105	897132	105
888405	117						



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