

**PARTS AND MAINTENANCE
MANUAL**

**HAULSTER[®] POLICE VEHICLE
MODEL 898488**

Part No. 2703045

1 GENERAL INFORMATION

1.1 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 1-888-922-8873 (dealer information only).

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2.1———VEHICLE IDENTIFICATION

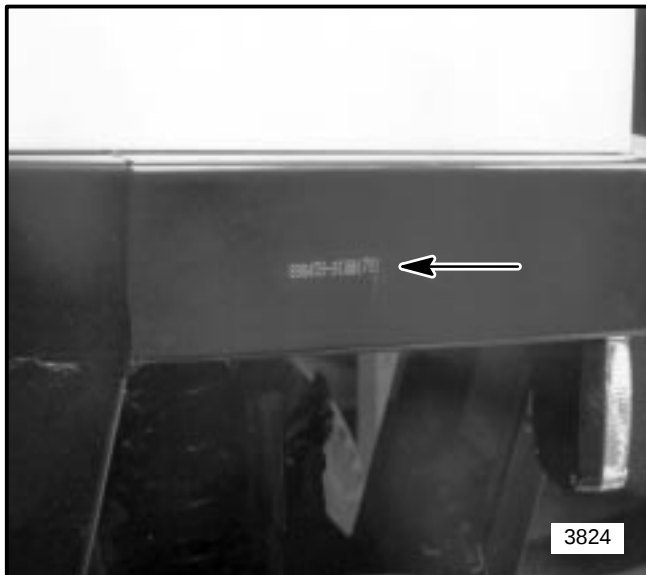
NOTE: The following identification numbers MUST appear on all correspondence concerning this vehicle.

The Vehicle Identification Number (VIN), model number, and serial number are all printed on the Nameplate/Identification decal attached to the upper left portion of the kick panel.



Nameplate/Identification Decal

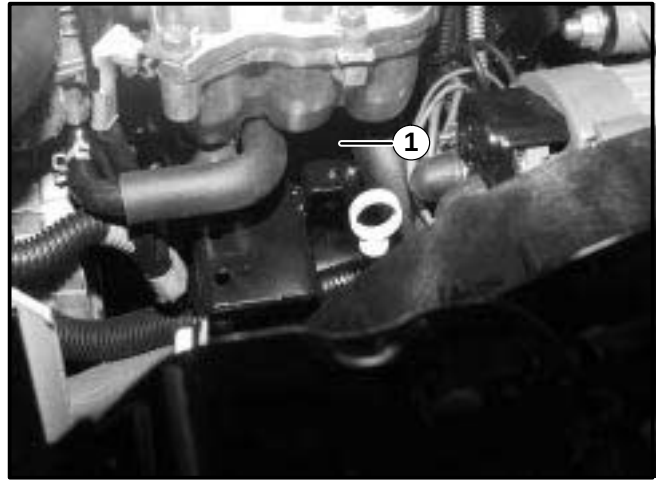
2.2———SERIAL & MODEL NUMBER



Serial Number And Model Number

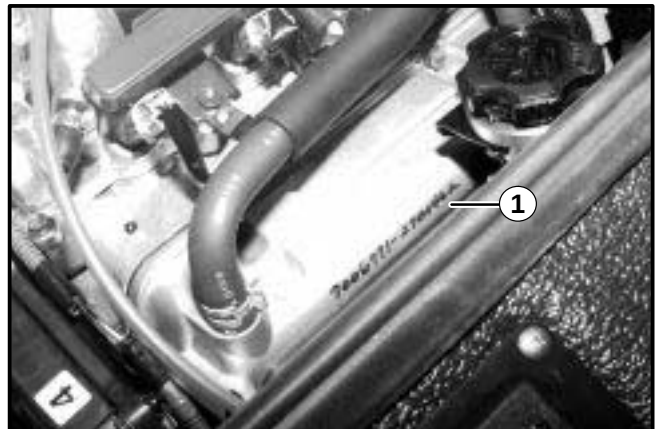
2.3———ENGINE SERIAL NUMBER

The engine serial number is stamped into the right hand skirt of the cylinder block located directly below the air intake manifold.



1. Stamped Engine Serial Number

A hand lettered engine serial number has been placed on the left side of the engine below the oil fill.



1. Hand Lettered Engine Serial Number

3 SPECIFICATIONS

3.1 VEHICLE

All specifications subject to change without prior notification.

Your Haulster is powered by a 3-cylinder, gasoline powered, liquid cooled, four cycle engine, with a single overhead camshaft, 12 valve, electronic ignition, automatic choke. The block is cast iron and the cylinder head is aluminum.

Power is transmitted to the rear wheels by a electronically controlled three speed automatic transmission, driveshaft with two universal joints and a worm gear differential.

3.2 DIMENSIONS

Rated Weight Capacity 1000 lbs. (455 kg)
Overall Height (w/cab) 80" (2.0 M)
Overall Length 119" (3.0 M)
Overall Width 54" (1.4 M)
Outside Clearance Circle 21.5' (6.6 M)
Inside Clearance Circle 8.4' (2.5 M)
Weight (w/fuel and battery) 1749 lbs. (794 kg)
Wheelbase 84" (2.1 M)
Rear Wheel Tread 42" (1.1 m)
Tires 145R12 Radial, Load Range C

3.3 CAPACITIES

Fuel Tank 7.5 gal. (28.5 L)
Transmission, automatic 3.7 qt. (4.2 L)
Differential (8.2:1 or 10.25:1) 12 oz. (0.4 L)
Cooling System 8 qts. (7.6 L)
Crankcase (including filter): 3.3 qts. (3.1 L)

3.4 BATTERY

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

3.5 FUEL

Unleaded Gasoline 87 Octane or higher

NOTE: We DO NOT recommend the use of ALCOHOL bearing fuels in any of our products. The use of these fuels may create a potential safety hazard.



WARNING

Gasoline containing ALCOHOL can cause deterioration of some non-metallic materials in the fuel system.

Gasoline containing ALCOHOL will attract and hold moisture inside fuel tanks. Moisture may cause corrosion of metallic parts within the fuel system.

All fuel hoses **MUST** be inspected frequently and replaced if excessive stiffness, deterioration or fuel leakage is found.

Fuel leakage from a fuel system can occur while the system is in use, in transit or in storage. Such leakage can contribute to an explosion or fire, causing serious bodily injury or death.

NOTE: The use of alcohol bearing fuels can cause engine malfunction, particularly "vapor lock" at temperatures above 50° F (10° C).

3.6 BRAKE FLUID

Use Type DOT (3)



WARNING

CLEAN MASTER CYLINDER FILLER CAP BEFORE REMOVING. CONTAMINATES MAY CAUSE BRAKE FAILURE. USE ONLY D.O.T. 3 FLUID FROM A SEALED CONTAINER. 825622

3.7 ENGINE OIL

Recommended Viscosity SAE 10W40
(for all temperature ranges)

Use only oils recommended for service class SF, SG or SH.

NOTE: Using oil other than the service classes listed, or oil change intervals longer than recommended can 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 manufacturers warranty.

3.8 LUBRICATION

Automatic Transmission Fluid Mercon/Dexron II
Differential Oil SAE EP 80-90 Gear Lube
Pressure Gun Lubricant Lithium Based

4 MAINTENANCE

4.1 MAINTENANCE



WARNING

When replacement parts are required, use only genuine Cushman 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.

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 for support.

To avoid unexpected vehicle movement, **ALWAYS** set the parking brake and make sure the transmission is in **PARK** (out of gear) before working on a running engine.

ALWAYS replace immediately any warning decals that become damaged or hard to read.

To reduce risk of fire, always keep the engine free of excessive grease. If fuel system leakage is detected, repair 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.

4.2 MAINTENANCE GUIDE

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

AS REQUIRED

Service air cleaner element
(Severe conditions may require more frequent service – refer to Air Cleaner section.)

DAILY

Check engine oil level
Check cooling system levels
Clean radiator intake screen, fins, & oil cooler fins
Check fuel level
Check engine for loose parts, damage or leaks
Check for engine noise or vibration

FIRST 50 HOURS OR 500 MILES

Perform previous services
Change Engine Oil*
Change Engine Oil Filter*

EVERY 100 HOURS OR 1000 MILES

Perform previous services
Check automatic transmission fluid level
Lubricate chassis (see lube chart)
Check tire pressure
Check differential oil level**
Check hydraulic brake fluid
Check brake adjustment
Check governor oil level
Check valve clearance first 100 hours then yearly

EVERY 200 HOURS OR 2000 MILES

Perform previous services
Check spark plugs for fouling
(regap or replace spark plugs as necessary)

EVERY 600 HOURS, 6000 MILES OR YEARLY

Perform previous services

Clean battery and terminals
 Replace fuel filter
 Repack front wheel bearings
 Repack rear wheel bushings
 Check starter motor brushes
 Check brake linings
 Change differential oil
 Change transmission oil
 Check alternator
 Check fuel hoses and clamps
 Drain and replace radiator coolant
 Check radiator hoses and clamps
 Check and clean choke linkage
 Check valve clearance

EVERY 1500 HOURS OF OPERATION

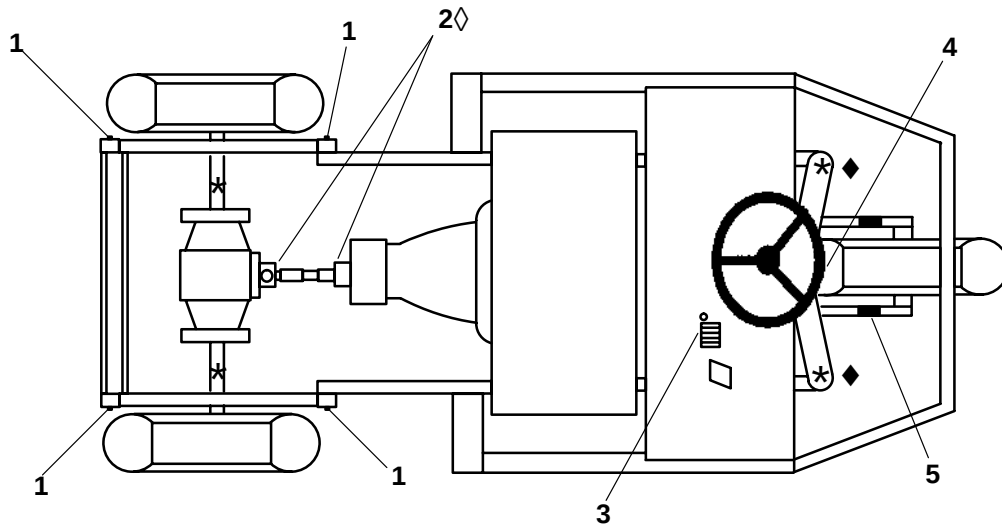
Replace timing belt after every 1500 hours of operation

See Specifications section for recommended lubricants and brake fluid.

- * 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 of operation.

4.3

LUBRICATION CHART



Lubricate all chassis fittings with lithium based lubricant every 100 hours or 1000 miles.

Ref. No.	Description	No. Req'd.	Ref. No.	Description	No. Req'd.
1	Rear Spring Shackles	6	4	Lower Fork Pivot Bearing	1
2	Drive Shaft	2	5	Leading Link Bushing	2
3	Brake Pedal Bellcrank Pivot Bushings	1			

◇ Too much lubricant can and will damage these seals.

* Indicates Jacking Locations

◆ Indicates Emergency Tow Line Attachment Locations

4 MAINTENANCE

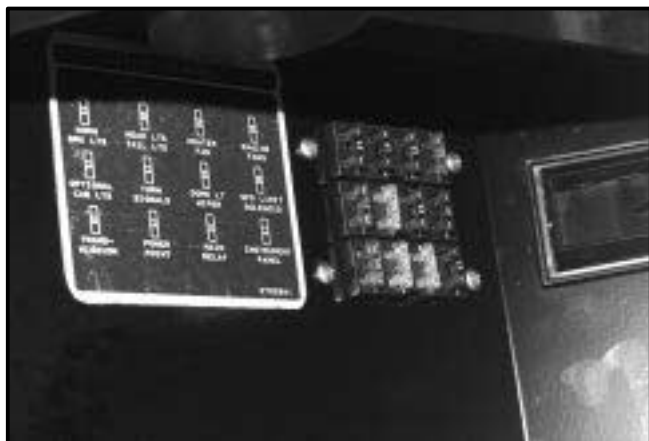
4.4 BULBS, FUSES AND FLASHER

Description	Specification or Trade No.	Cushman Part No.
BULBS		
Ammeter light	1 CP No. 53	811953
Headlight	65-45 Watt No. H6545	837303
Taillight	32-4 CP No. 1157	822049
Turn Signal, front	21 CP No. 1156	837670
Oil pressure warning light	2 CP No. 1893	828473
EMS light	2 CP No. 1893	828473
Speedometer light	1 CP No. 53	811953
Water temperature gauge light	1 CP No. 53	811953
Fuel gauge light	1 CP No. 53	811953
FUSES	20 Amp	826000
.	30 Amp	833038
FLASHER , turn signal		825501

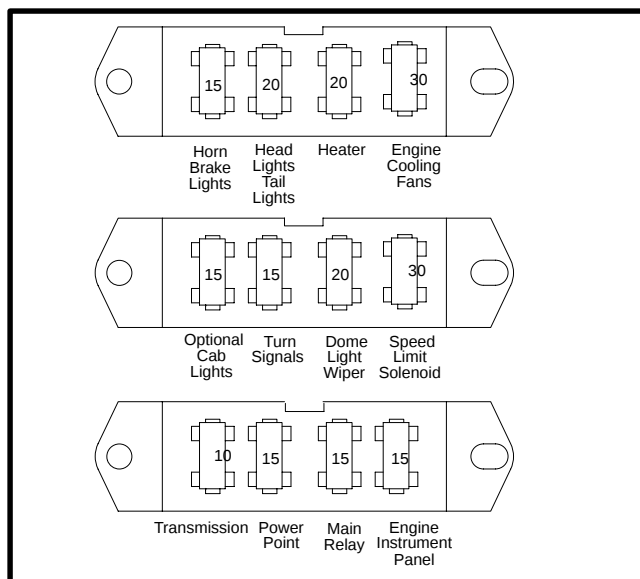
4.5 FUSES

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

A 30 Amp fuse for the fan motor is located on the fan wire harness, near the fan motor. Additional fuses are also located behind the dash panel for the turn signal rotating lights and transmission controller.



Fuse Block On Kick Panel



Fuse Box Panel

4.6 ENGINE MAINTENANCE

The following maintenance information covers basic engine service only. For more elaborate service and necessary repairs, we recommend you contact your authorized Cushman dealer.

Always keep your engine clean. If dirt has accumulated on the engine, it should be washed with a non-flammable solvent or a strong detergent. When washing becomes necessary, it can be carried out simultaneously with serv-

icing 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 engines life and avoid premature overhaul.

NOTICE

- DO NOT wash the engine while it is running. Water vapor may enter the engine through the air intake causing serious engine damage.

4.7 ENGINE ACCESS

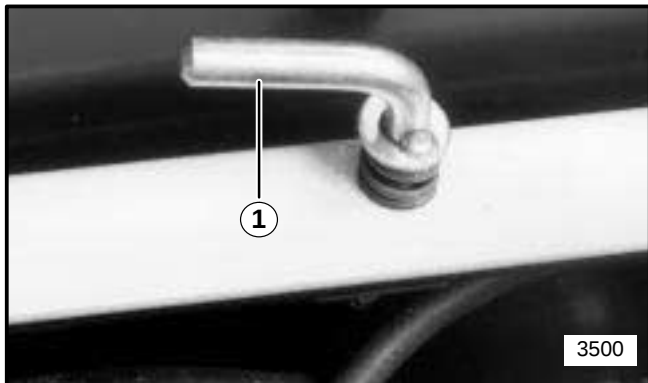


WARNING

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. Keep hands, hair and loose clothing away from flywheel, radiator cooling fan, alternator fan, belts, pulleys, air intake, etc

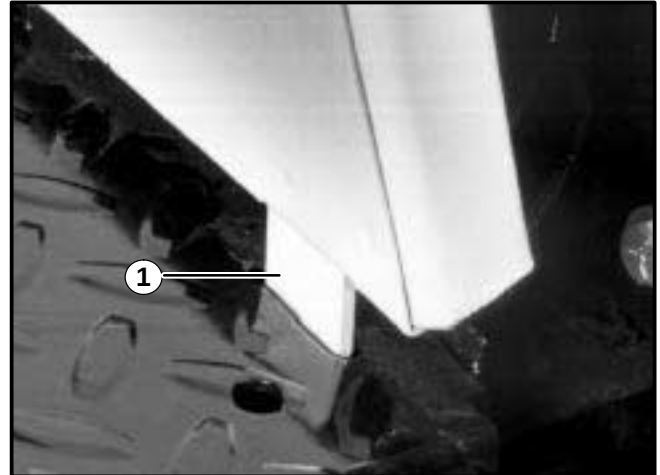
The seat cushion may be raised by pivoting forward to provide engine access for minor service work.

For major repair or air cleaner servicing, the engine cover assembly may be removed. To remove engine cover, loosen the engine cover latch, pivot the engine cover forward and lift upward.



1. Engine Cover Latch

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.



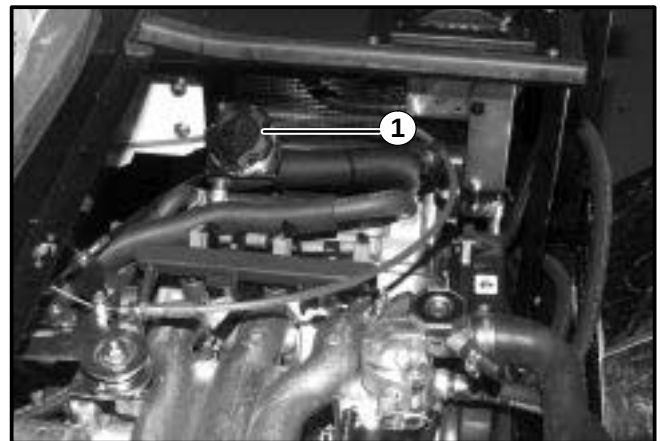
1. Engine Cover Retaining Tab

Resecure the engine cover latch.

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

4.8 ENGINE OIL LEVEL

NOTE: When checking engine oil level, BE SURE vehicle is resting on a level surface. A correct reading can not be made if the vehicle is not on a level surface.



1. Engine Oil Fill

The engine oil level should be between the two marks (FULL and ADD) marks on the dipstick. Either too much OR too little oil can cause the engine to overheat. Engine overheating can cause severe engine damage.

4 MAINTENANCE

4.9 BATTERY



CAUTION

UNTRAINED or 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 immediate medical aid.

ALWAYS wear adequate eye protection when working on or around a vehicle battery.

The battery is located in the side opening box located at the rear of the vehicle.

The battery in this vehicle is a “low maintenance”. Add distilled water whenever required.

NOTE: Keep the 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 resecure.

To contact your nearest Trojan battery dealer for warranty or other information, call Trojan battery at 1-800-423-6569 and ask for customer service.

4.10 JUMP STARTING WITH BOOSTER 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 very 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 PARK 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 at any time.**
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 the alternator rectifier.

Booster batteries used for starting **MUST** be connected with correct polarity.

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

4.11 ENGINE COOLING SYSTEM



WARNING

The cooling fan is thermostatically controlled and may start at any time. **DO NOT** attempt to service the fan without first disconnecting it.



WARNING

KEEP HANDS CLEAR, ELECTRIC FAN MAY ENGAGE WITHOUT WARNING, EVEN WITH IGNITION OFF!

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NEVER attempt to clean or service the cooling system with the engine running.

ALWAYS allow the engine to “cool” before servicing the cooling system.

The vehicle is equipped with a cooling radiator and electric fan located below the right side (from operators position) of the engine cover. To provide proper engine cooling:

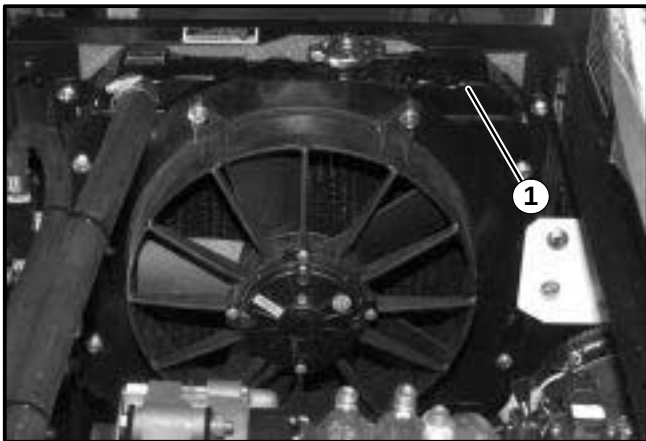
- **DO NOT** obstruct or cover the air intake screen in front of the radiator.

- ALWAYS keep the screen, radiator and oil cooler fins clean.

NOTE: Clean the radiator and oil cooler fins with compressed air. If water is used to clean the radiator or oil cooler use compressed air to blow ALL the water from the radiator or oil cooler fins. Water left between the fins will collect dirt and clog the radiator.

Keep the proper amount of coolant in the cooling system.

Check coolant level in radiator and reservoir bottle. The coolant should be up to the filler port of the radiator, and between the FULL and LOW lines in the reservoir bottle. Level should not be higher than the FULL line.



1. Radiator

NOTE: If the coolant level is low, check for leaks and repair as necessary. If additional coolant is required, a 50/50 mixture of a good grade of ethylene glycol antifreeze and clean water is recommended. This will provide protection to -34°F (-37°C).

It is extremely important that the antifreeze and water be mixed in a separate container before adding to radiator. NEVER add straight antifreeze to the radiator. The mixture must NEVER be more than 50% antifreeze.

4.12— DRAINING THE COOLING SYSTEM

NOTE: Drain the cooling system every 600 hours and refill with a 50/50 mixture of water and ethylene glycol antifreeze.

Drain the cooling system using the following procedure:



WARNING

DO NOT attempt to remove radiator cap until engine is allowed to “cool”. Radiator contents are under pressure which can cause spraying of scalding hot water. Hot water spray can cause serious injuries.

1. Remove radiator cap when engine is cool. Disconnect radiator cooling fan. Open drain cock on bottom of radiator.



WARNING

TO PREVENT POSSIBLE SEVERE BURNS TO YOU OR OTHERS. DO NOT REMOVE PRESSURE CAP WHEN HOT. CONTENTS UNDER PRESSURE. CHECK AND ADD FLUID AT RESERVOIR.

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2. Remove bottom radiator hose from radiator to completely drain engine block.
3. Disconnect hose from water overflow tank and drain tank. Close radiator drain cock tightly and reinstall overflow tank hose when both have finished draining.

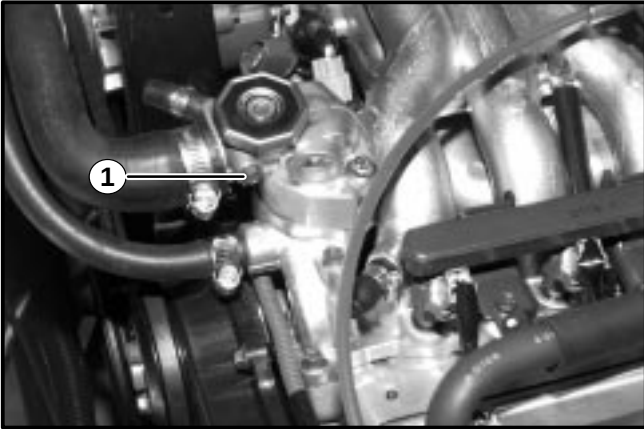
NOTICE

- ALWAYS recycle or dispose of used antifreeze in a responsible manner. Used antifreeze can be harmful to the environment.

4.13— FILLING THE COOLING SYSTEM

1. Fill radiator to the base of the filler neck and the overflow tank to the “FULL” mark with a 50/50 water and antifreeze mixture. Reinstall reservoir tank cap.
2. Loosen the air bleeding bolt (shown below) until coolant comes out through the air bleeding hole of bolt. Resecure the bleeding bolt.

4 MAINTENANCE

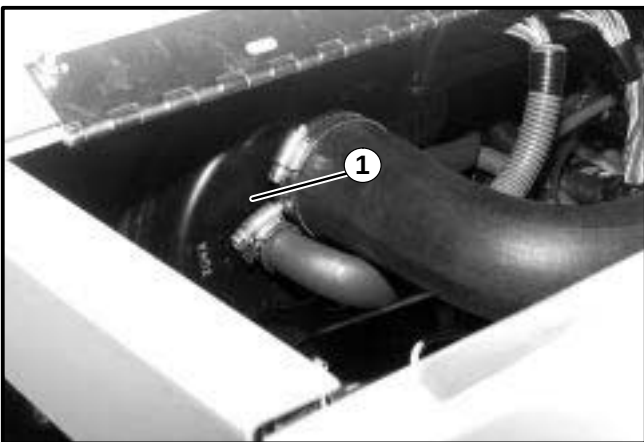


1. Air Bleeding Bolt

3. Run engine with radiator cap removed, until upper radiator hose is warm (thermostat has opened).
4. With engine idling, add coolant mixture to radiator until level reaches the bottom of the filler neck. Install radiator cap. Reconnect radiator cooling fan.

4.14 — AIR CLEANER

This is a large capacity dry type air cleaner with a replaceable paper element. The air cleaner assembly is located under the right side cover panel directly behind the cab.



1. Air Cleaner Assembly

4.15 — SERVICING AIR CLEANER ELEMENT

NOTE: DO NOT use a damaged air cleaner assembly.

DO NOT use bent or damaged air cleaner elements.

Use **ONLY** Cushman approved air cleaner replacement elements.

We recommend the air cleaner element be replaced before engine performance is affected. This may occur at 250 hours of service in very dirty operating conditions or at 500 hours in normal operating conditions.

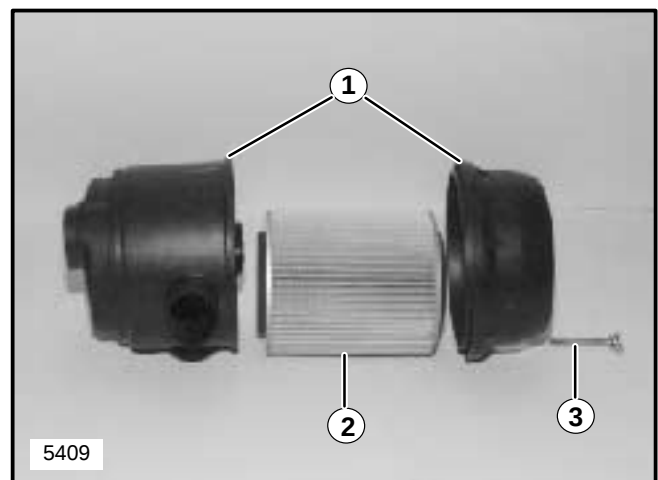
We **DO NOT** recommend cleaning the air cleaner element because of the possibility of damaging the element.

4.16 — CHECKING AIR CLEANER ELEMENT

Check the element for damage, pin holes, etc. by placing a light source such as a flashlight inside the element.

4.17 — INSTALLING AIR CLEANER ELEMENT

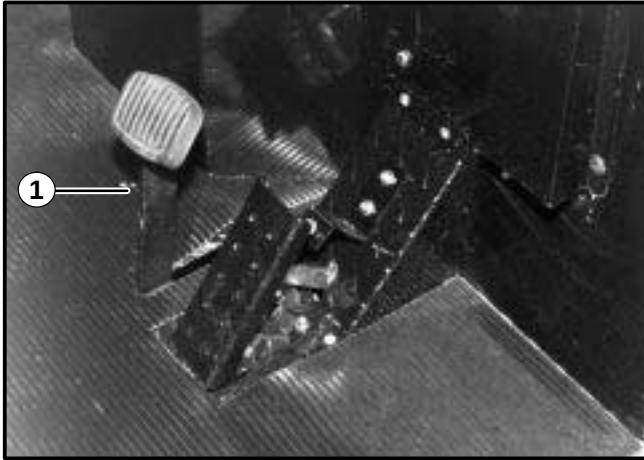
1. Loosen wing nut screw securing air cleaner halves and remove element.
2. Clean dust from inside of housing with damp cloth, making sure dust **DOES NOT** enter the air intake.
3. Check all gaskets to be sure they are **NOT** damaged.
4. Insert element in housing.
5. Apply a light grease film to the wing nut screw.
6. Resecure the housing halves with the wing nut screw.



1. Air Cleaner Halves
2. Air Cleaner Element
3. Wing Nut Screw

4.18 — LUBRICATING BRAKE PEDAL BUSHINGS

The pedal pivot lubrication fitting is located just below the hole in the floorboard, near the pedal. Refer to following illustration.



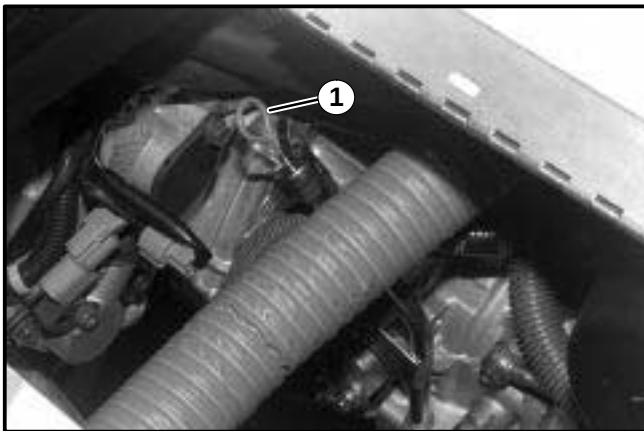
1. Lubrication Access Hole

4.19 — AUTOMATIC TRANSMISSION

The transmission filler tube and dipstick are located beneath the left access panel directly behind the cab.

TRANSMISSION FLUID LEVEL
CHECK UNDER THIS COVER
— REFER TO SERVICE MANUAL
FOR PROPER PROCEDURE

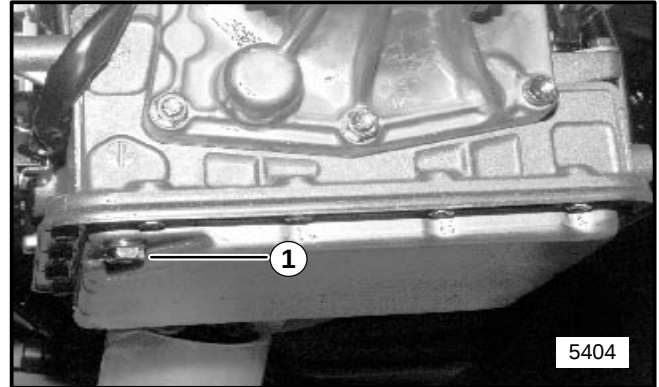
840395



1. Transmission Dipstick

The engine must be running with the transmission in PARK (or neutral) when checking the transmission fluid level. The level should be kept between the two marks on the dipstick. Capacity is 3.7 quarts (4.2L). DO NOT over-fill transmission.

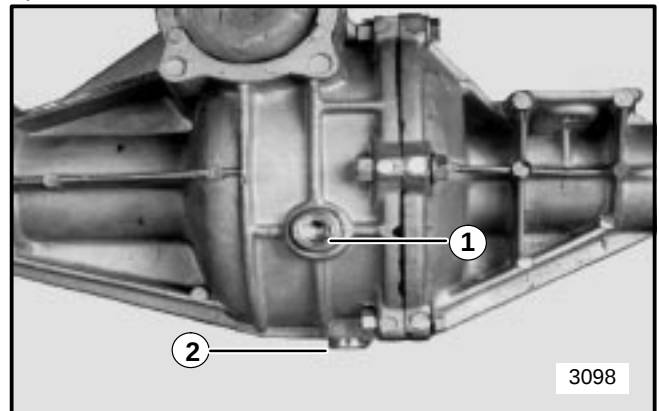
The drain plug is on the bottom of the transmission case in the left rear corner of the pan.



1. Transmission Drain Plug

4.20 — DIFFERENTIAL

The worm gear differential filler plug and drain plug are shown in the following photograph. Oil should always be up to the level of the filler hole.



1. Filler Plug
2. Drain Plug

IMPORTANT!

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

4.21 — JACKS, JACKING LOCATIONS AND USING A HOIST

A scissors or hydraulic type jack with a 1 1/2 ton (minimum) capacity that can be lowered to 3 3/8" (86 mm) is required to jack up the vehicle.

The jacking locations are shown on the Chassis Lubrication Chart. Raise the vehicle **ONLY** enough to place jack-stands under vehicle when performing required maintenance.

NOTE: 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.

4 MAINTENANCE

4.23—— CHANGING THE REAR WHEEL

1. Raise rear of vehicle with a hydraulic jack and place on jackstands.
2. Remove and retain the wheel retaining nuts and remove wheel from the hub.
3. Reinstall the wheel with the valve stem on the outside of the wheel.
4. Torque the wheel retaining nuts to 70 to 100 ft. lbs. (95 to 140 N·m).

4.24—— CHANGING THE FRONT WHEEL

IMPORTANT!

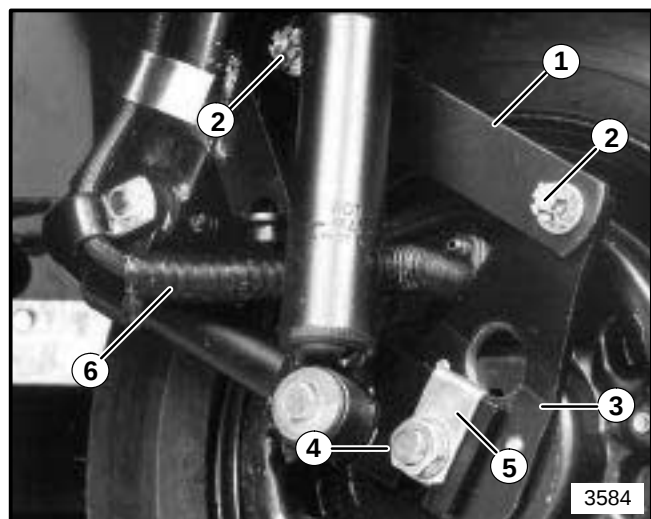
BE SURE TO READ THIS ENTIRE SECTION BEFORE ATTEMPTING FRONT TIRE REMOVAL.

To remove the front wheel and hub:

1. Remove the cotter pins, washers and castle nuts attaching the brake anchor link to the front fork and brake arm.

NOTE: DO NOT disconnect the front brake hose.

2. Pull the link straight off the mounting studs. Retain the bushings located in the holes at each end of the brake anchor link.



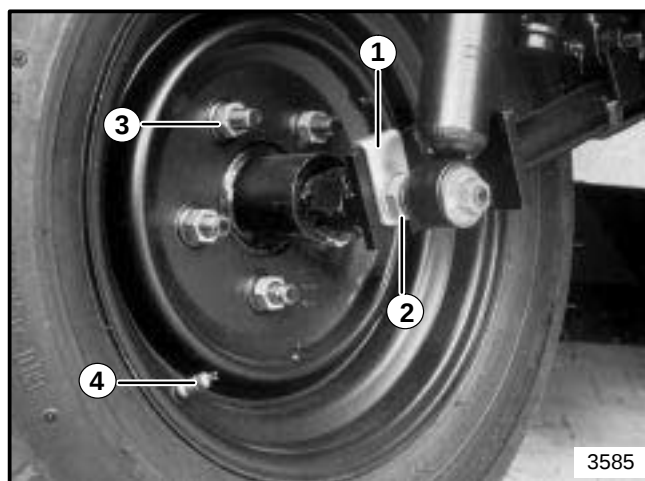
Front Fork (Right Side)

1. Brake Anchor Link
2. Cotter Pin, Washer And Castle Nut
3. Brake Arm
4. Axle Nut

5. Axle Lock

6. Brake Hose And Protector

3. Disconnect the bottom of the LEFT shock absorber. Retain and note the position of the attaching hardware.
4. Loosen the axle nuts on both sides of the axle until the axles locks (both sides) will clear the fork arms and lower the entire axle, brake and wheel assembly from the fork.



Front Fork (Left Side)

1. Axle Lock
2. Axle Nut
3. Wheel Retaining Nut
4. Valve Stem

5. Support the brake assembly so that the brake hose and protector will not be damaged.
6. Remove the wheel retaining nuts and remove the wheel from the hub.

To reinstall the front wheel and hub:

1. Reassemble the wheel to the hub (be sure valve stem is on side opposite the brake). Torque the wheel retaining nuts to 70 to 100 ft. lbs. (95 to 140 N·m).
2. Reinstall the hub assembly into the fork with the two (2) large washers at either end of the axle inside the fork arms, and the axle locks hooked over the top of the fork arms. Torque the axle nuts to 70 to 100 ft. lbs. (95 to 140 N·m).
3. Reconnect the left shock absorber.
4. Reinstall the brake anchor link using **NEW** cotter pins to secure the castle nuts. Make sure the bushings are in place in both ends of the brake anchor link



CAUTION

The brake link bushings **MUST** be in place in brake anchor link and the link reinstalled to prevent the brake stator and drum from turning when the brakes are applied. Turning could result in brake hose damage and sudden brake failure.

ALWAYS use NEW cotter pins when reinstalling brake anchor link castle nuts to make sure they are secure.

Your vehicle is equipped with 145 R 12 radial tires (load range C) mounted on 4.80 x 12 rims. Always keep tires inflated according to the following specifications.

Cold Inflation Pressure

Front 32 PSI (220 kPa)

Rear 32 PSI (220 kPa)

NOTE: NEVER exceed the maximum pressure indicated on the tire.

Improper inflation will considerably shorten the life of your tires. 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.

4.25 TIRE REPLACEMENT

Always use replacement tires equivalent to or exceeding original equipment specifications.

4.26 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:

- Fill the vehicle fuel tank.
- Check engine oil level.
- Check engine for loose parts.
- Start the engine and check for fuel or oil leaks and check the operation of all controls.

4.27 TOUCH-UP PAINT

Off-White

- 16 oz. (0.5L) spray can Part No. 843311
- 1 qt. (0.95L) can Part No. 843312

TORQUE CHART 5

TORQUE SPECIFICATIONS HEX HEAD CAP SCREWS

The torque values shown should be used as a general guideline when specific torque values are not given.

U.S. Standard Hardware

Grade	Shank Size (Diameter in inches, fine or coarse thread)														
		1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8			
SAE grade 5 *	ft.-lbs.	9	18	31	50	75	110	150	250	378	583	782			
	N·m	12	24	42	68	102	150	203	339	513	790	1060			
SAE grade 8 **	ft.-lbs.	13	28	46	75	115	165	225	370	591	893	1410			
	N·m	18	38	62	108	156	224	305	502	801	1211	1912			
Flangelock Screw w/ Flangelock Nut	ft.-lbs.		24	40											
	N·m		33	54											

* Grade 5 marking –  Minimum commercial quality (Lower quality not recommended).

** Grade 8 marking – 

Metric Standard Hardware

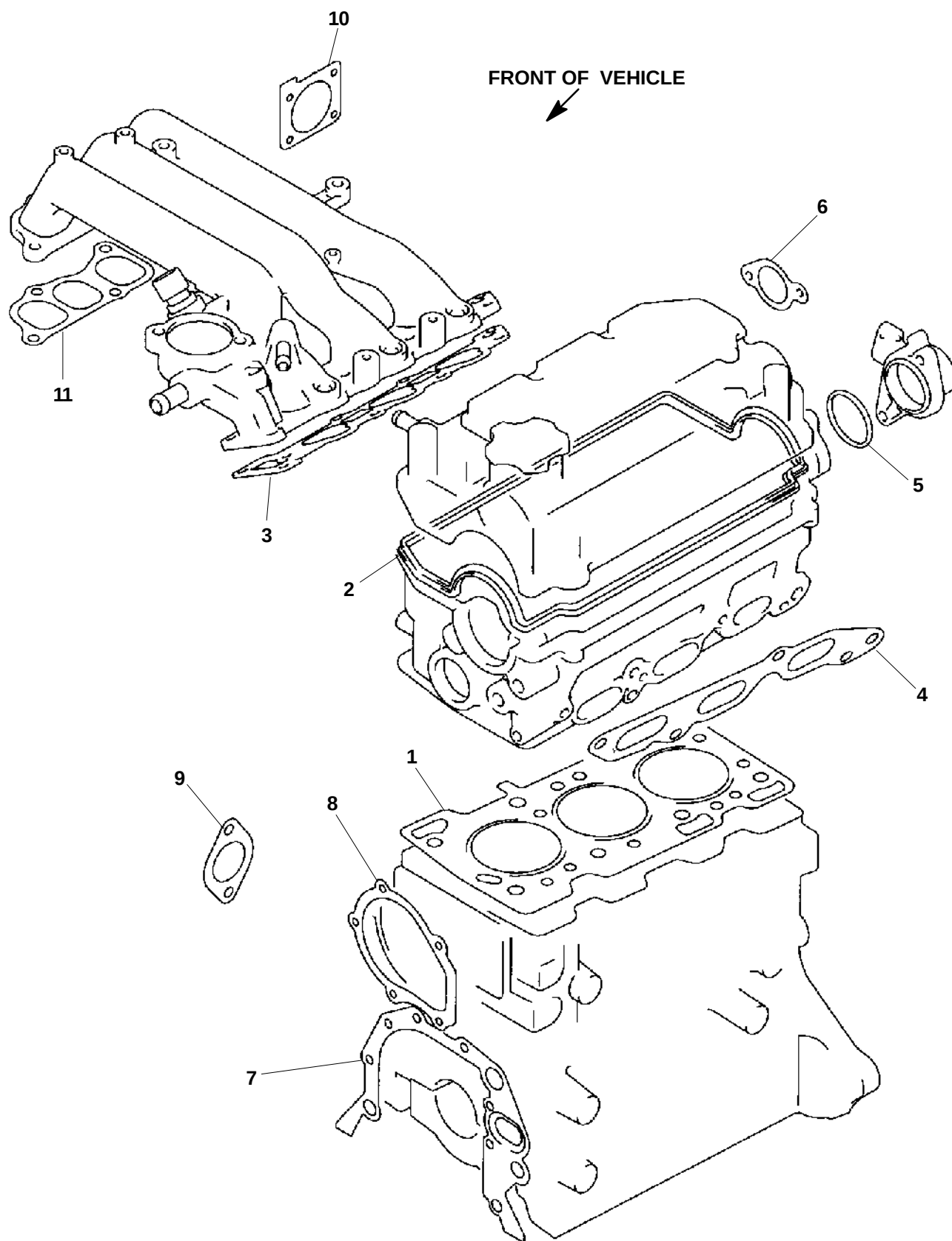
Grade	Shank Size (Diameter in millimeters, fine or coarse thread)														
		M4	M5	M6	M7	M8	M10	M12	M14	M16	M18	M20	M22	M24	M27
Grade 8.8*	ft.-lbs.	1.5	3	5.2	8.2	13.5	24	43.5	70.5	108	142	195	276	353	530
	N·m	2	4	7	11	18	32	58	94	144	190	260	368	470	707
Grade 10.9**	ft.-lbs.	2.2	4.5	7.5	12	18.8	35.2	62.2	100	147	202	275	390	498	747
	N·m	3	6	10	16	25	47	83	133	196	269	366	520	664	996
Grade 12.9 ***	ft.-lbs.	2.7	5.2	8.2	15	21.8	43.5	75	119	176	242	330	471	596	904
	N·m	3.6	7	11	20	29	58	100	159	235	323	440	628	794	1205

* Grade 8.8 marking –  ** Grade 10.9 marking –  *** Grade 12.9 marking – 

SERVICE AND MAINTENANCE RECORD

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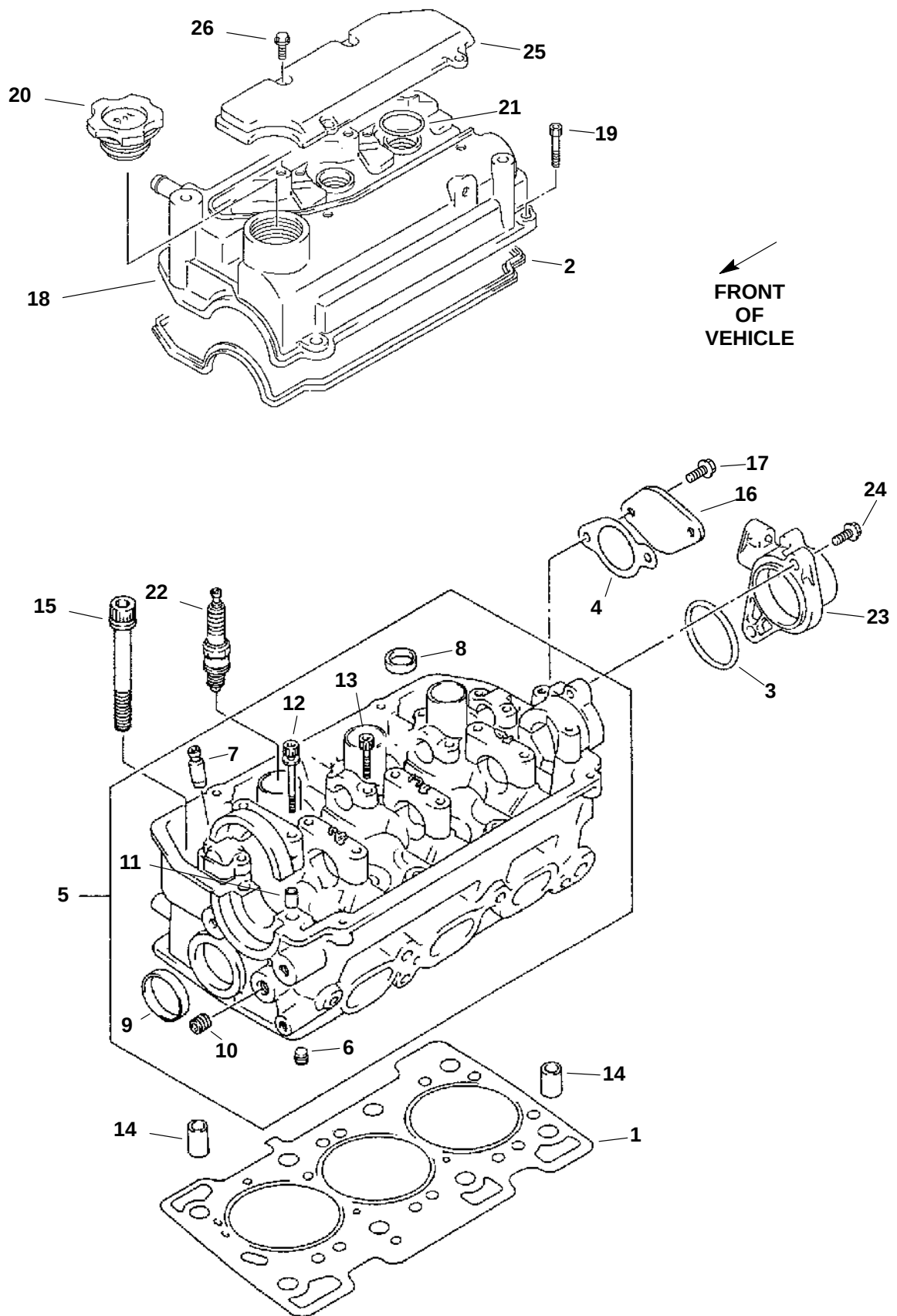
6.1 ENGINE GASKETS



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701775	Gasket set	1	
2	2701776	•Gasket, cylinder head	1	
3	2701795	•Gasket, cylinder head cover	1	
4	2701796	•Gasket, intake manifold	1	
5	2701797	•Gasket, exhaust manifold	1	
6	2701798	•O' ring, cam position sensor	1	
7	2701799	•Gasket, cylinder plate	1	
8	2701800	•Gasket, oil pump case	1	
9	2701801	•Gasket, water pump	1	
10	2701802	•Gasket, water inlet	1	
11	2701803	•Gasket, throttle body	1	
	2701804	•Gasket, surge tank	1	

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

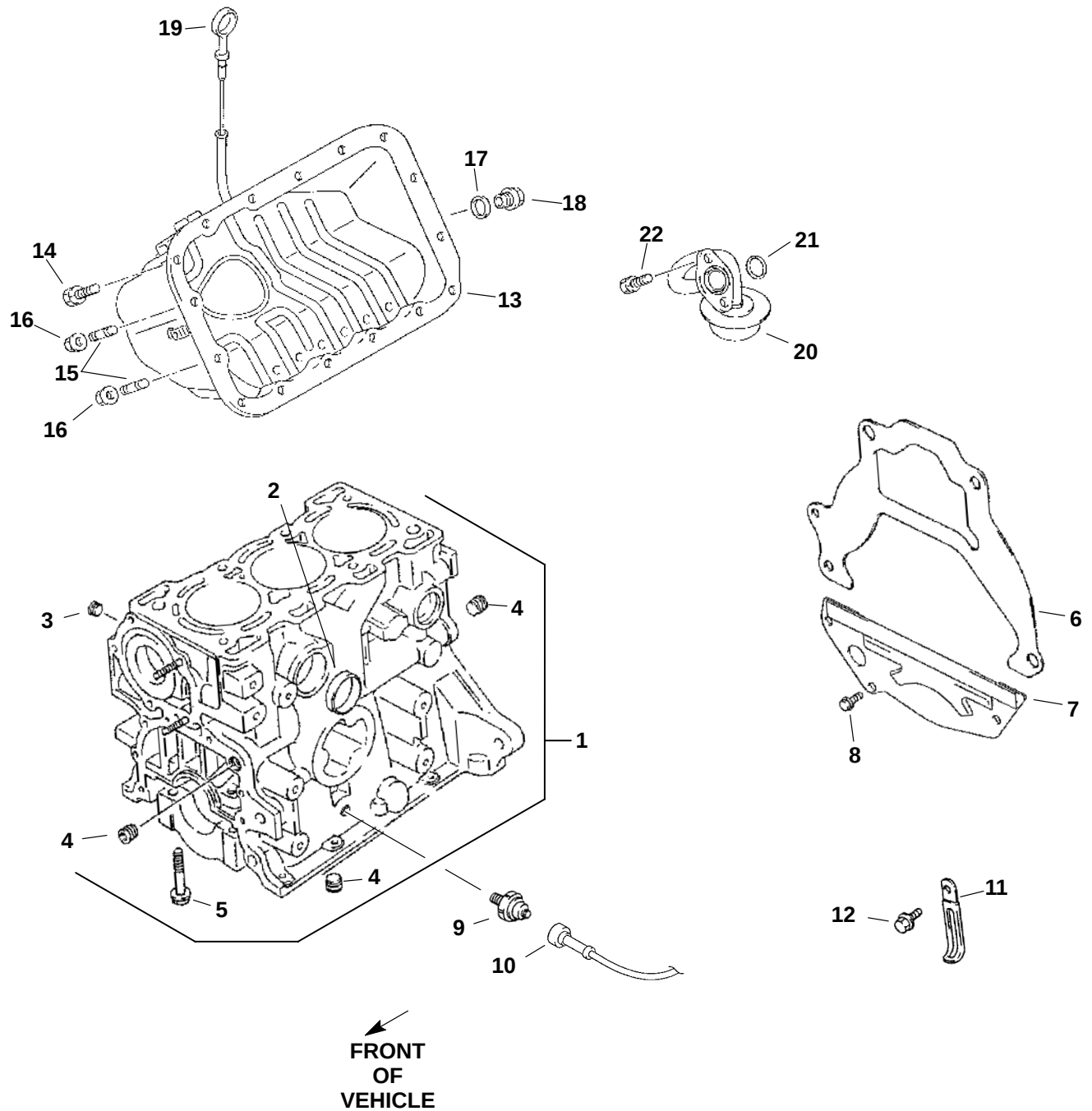
6.2 CYLINDER HEAD



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701776	Gasket, head	1	
2	2701795	Gasket, valve cover	1	
3	2701798	O-ring, distributor drive	1	
4	2701799	Gasket	1	
5	2701813	Head, cylinder	1	
6	2701814	Plug , oil venturi	1	
7	2701815	Guide , valve	12	
8	2701816	Seal	2	
9	2701819	Seal	1	
10	2701820	Plug	4	
11	2701821	Pin	10	
12	2701822	Bolt	11	
13	2701823	Bolt	13	
14	2701824	Pin	2	
15	2701825	Bolt, cylinder head	8	
16	2701826	Plate, cylinder head	1	
17	2701827	Screw	2	
18	2701828	Cover, cylinder head	1	
19	2701829	Bolt	4	
20	2701830	Cap, oil filler	1	
21	2701831	O-ring, spark plug pipe	3	
22	2701832	Plug, spark Nippon Denso XU22EPR-U	3	
23	2701833	Case, distributor	1	
24	2701834	Bolt	2	
25	2701835	Cover, cylinder	1	
26	2701836	Bolt	4	

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

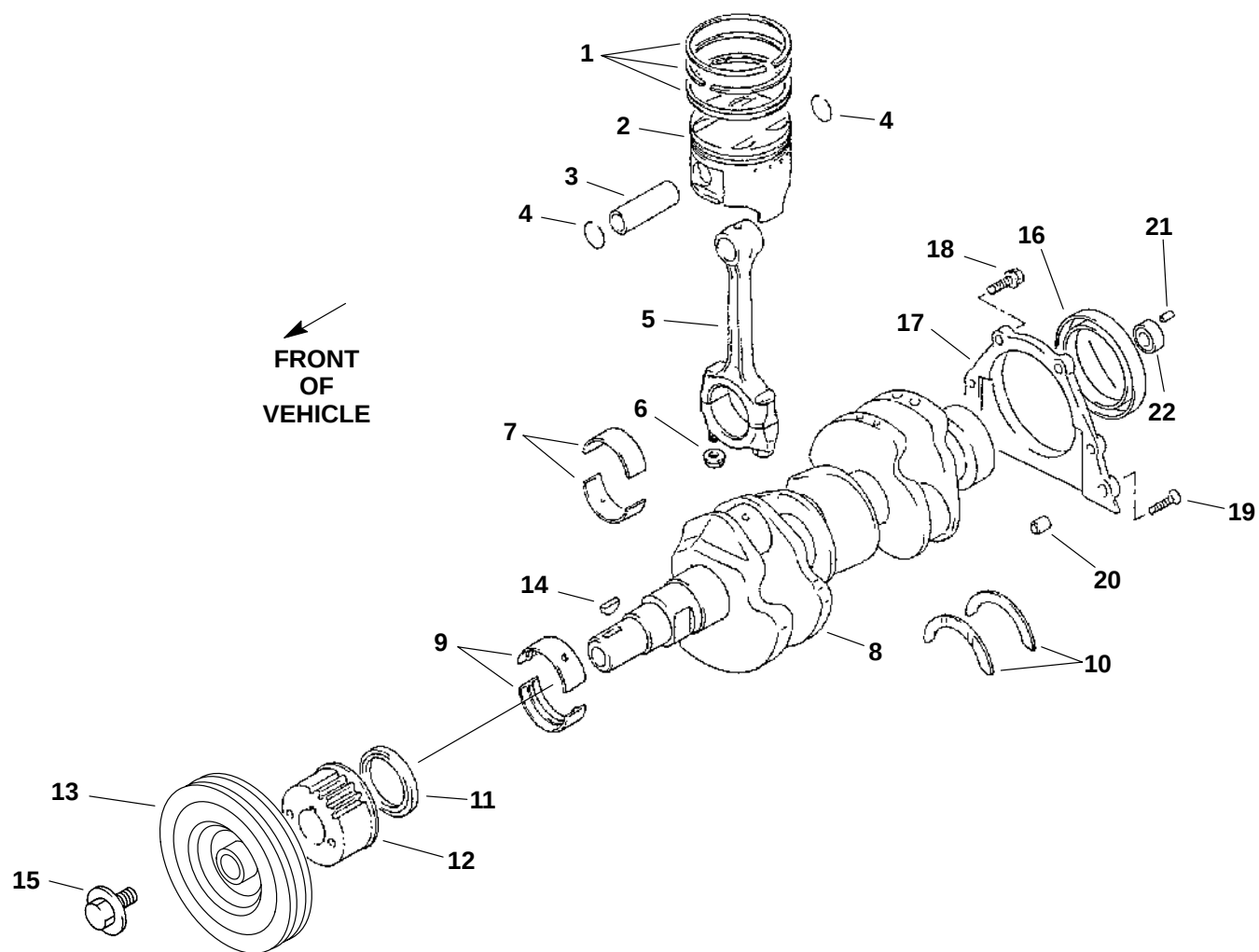
6.3 CYLINDER BLOCK



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701837	Block, cylinder	1	
2	2701819	Seal	2	
3	2701820	Plug	1	
4	2701838	Plug	3	
5	2701839	Bolt	8	
6	2701900	Plate, clutch hsng. upper	1	
7	2701902	Plate, clutch hsng. lower	1	
8	2701903	Bolt	1	
9	2701904	Sender, oil pressure	1	
10	2701905	Wire, oil pressure	1	
11	2701906	Clamp	1	
12	2701907	Bolt	1	
13	2701911	Pan, oil	1	
14	2701912	Bolt	14	
15	2701913	Stud	2	
16	2701914	Nut	2	
17	2701915	Plug, oil drain	1	
18	2701916	Gasket, oil drain plug	1	
19	2701918	Dipstick, oil level	1	
20	2701919	Strainer, oil pump	1	
21	2701920	O-ring	1	
22	2701921	Bolt	2	

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

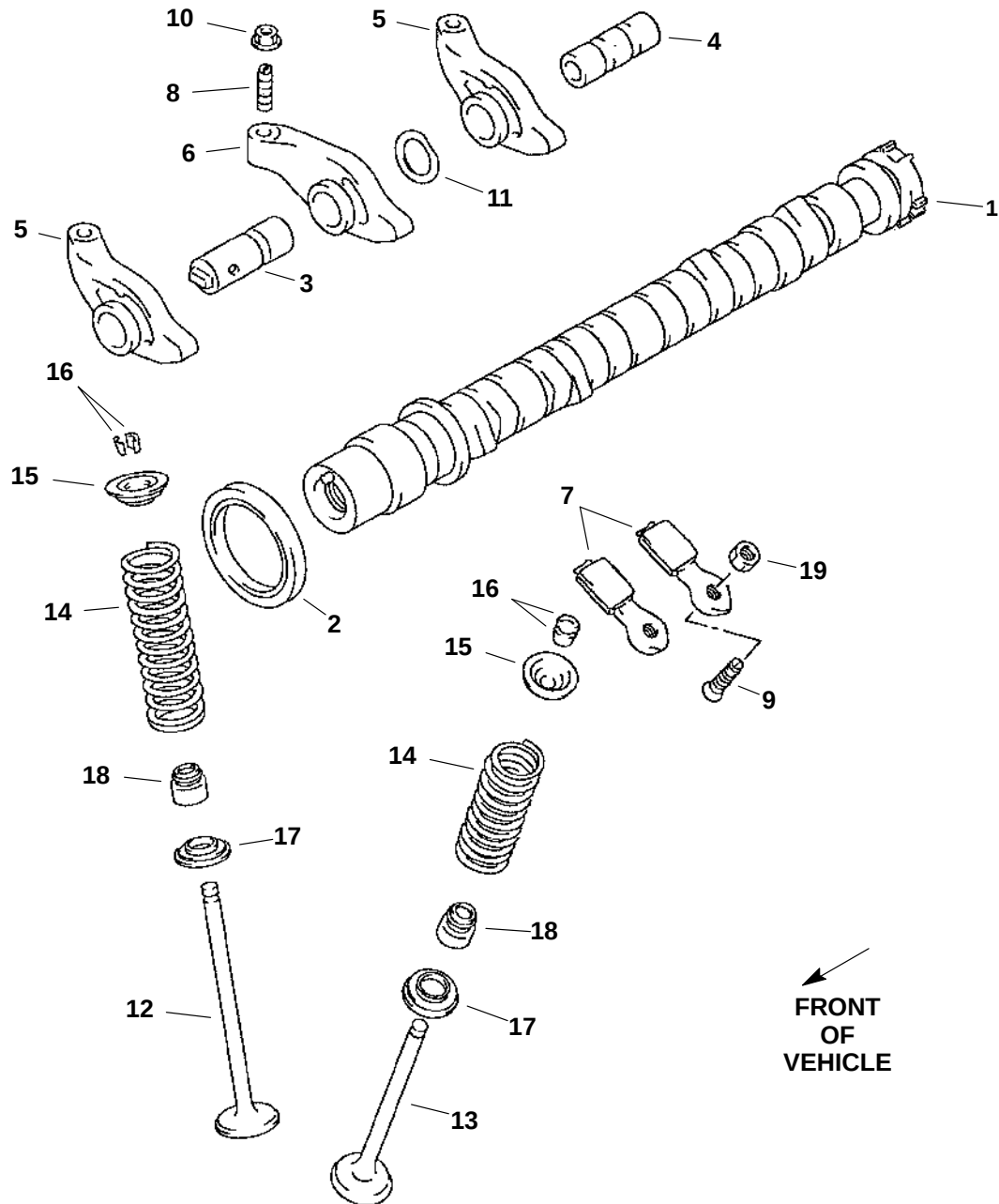
6.4 CRANKSHAFT, PISTONS



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701922	Ring, piston (standard)	3	
2	2701923	Ring, piston (OS:0.25)	3	
3	2701924	Ring, piston (OS:0.50)	3	
4	2701925	Piston (standard)	3	
	2701926	Piston (OS:0.25)	3	
	2701927	Piston (OS:0.50)	3	
5	2701928	Pin, piston	3	
6	2701929	Ring, snap	6	
7	2701930	Rod, connecting	3	
8	2701931	Pin ut, connecting rod	2	
9	2701932	Bearing, connecting rod	6	
	2701933	Bearing, connecting rod (US:0.25)	6	
10	2701934	Crankshaft	1	
11	2701935	Bearing set, crankshaft	1	
	2701936	Bearing set, crankshaft (US:0.25)	1	
12	2701937	Bearing set, crank thrust	1	
	2701938	Bearing set, crank thrust (US:0.25)	1	
13	2701939	Seal, front	1	
14	2701940	Pulley, timing belt	1	
15	2701942	Pulley, crankshaft	1	
16	2701943	Key	1	
17	2701944	Bolt	1	
18	2701945	Seal, rear main	1	
19	2701946	Plate, rear	1	
20	2701834	Bolt	4	
21	2701948	Bolt	2	
22	2701949	Pin	2	
23	2701954	Pin	1	
24	2701952	Bearing, input shaft	1	

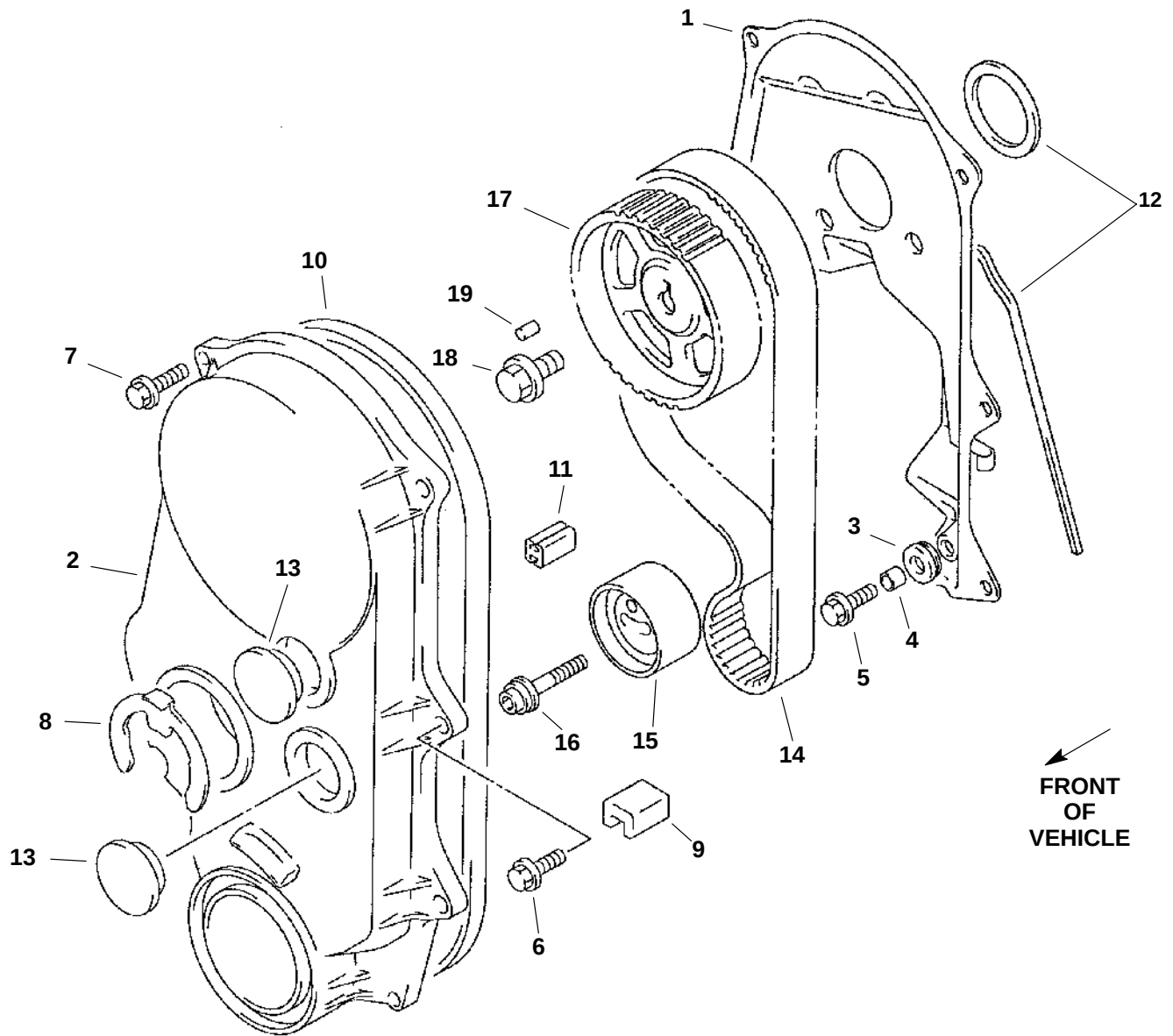
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

6.5 CAMSHAFT



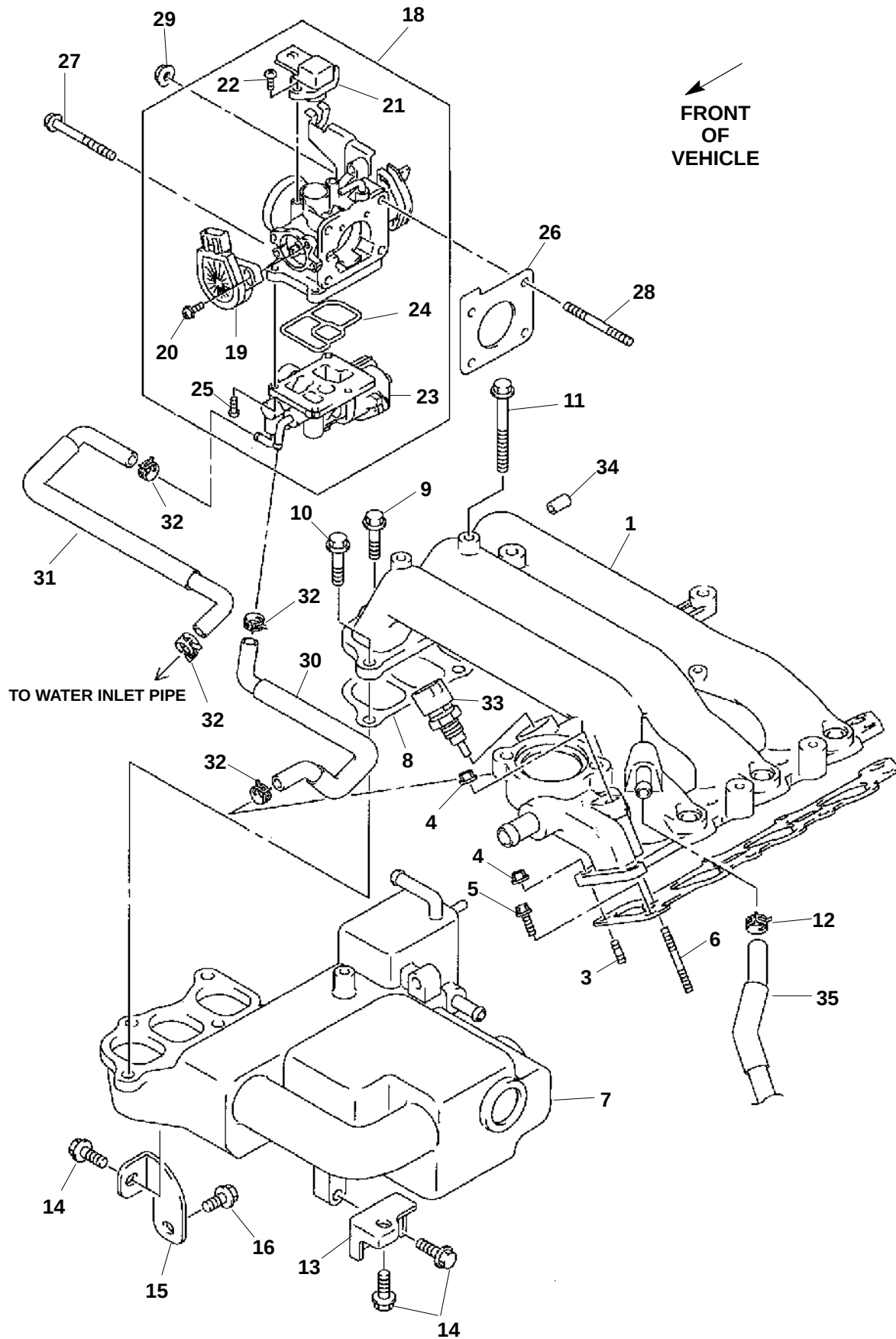
Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701947	Camshaft	1	
2	2701955	Seal, camshaft	1	
3	2701956	Shaft, rocker arm (No. 1)	2	
4	2701957	Shaft, rocker arm (No. 2)	2	
5	2701958	Arm, valve rocker intake No. 1	3	
6	2701959	Arm, valve rocker intake No. 2	3	
7	2701960	Arm, rocker exhaust	6	
8	2701961	Screw, adjusting	6	
9	2701962	Screw, valve adjusting	6	
10	2701963	Nut, adjusting (intake)	12	
11	2701965	Washer, wavy	4	
12	2701966	Valve, intake	6	
13	2701967	Valve, exhaust	6	
14	2701968	Spring, valve	12	
15	2701969	Retainer, valve spring	12	
16	2701970	Cotter, valve	24	
17	2701971	Seat, valve spring	12	
18	2701972	Seal, valve stem	12	
19	2701964	Nut, adjusting (exhaust)	6	

6.6 TIMING BELT & COVER



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701973	Cover, timing belt (inside)	1	
2	2701974	Cover, timing belt (outside)	1	
3	2701975	Grommet	4	
4	2701976	Spacer	4	
5	2701977	Bolt	4	
6	2701978	Bolt	5	
7	2701834	Bolt	3	
8	2701980	E-ring	1	
9	2701981	Seal	1	
10	2701979	Seal, cover outside	1	
11	2701982	Seal	1	
12	2701983	Seal set	1	
13	2701984	Cap	2	
14	2701985	Belt, timing	1	
15	2701986	Tensioner assembly	1	
16	2701987	Bolt	1	
17	2701988	Pulley, cam shaft timing	1	
18	2701989	Bolt	1	
19	2701990	Pin	1	

6.7 INTAKE MANIFOLD/THROTTLE BODY

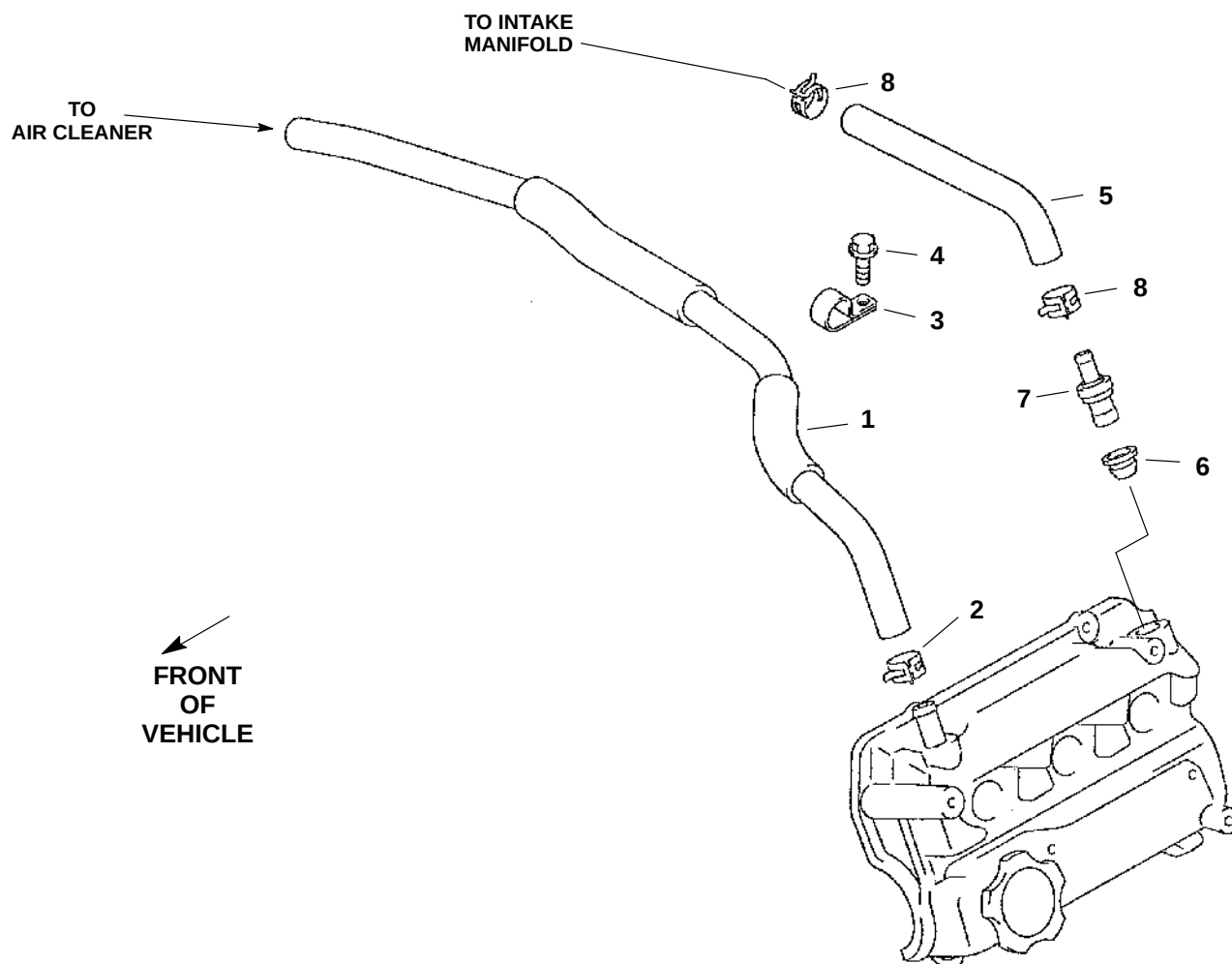


INTAKE MANIFOLD/THROTTLE BODY 6.7

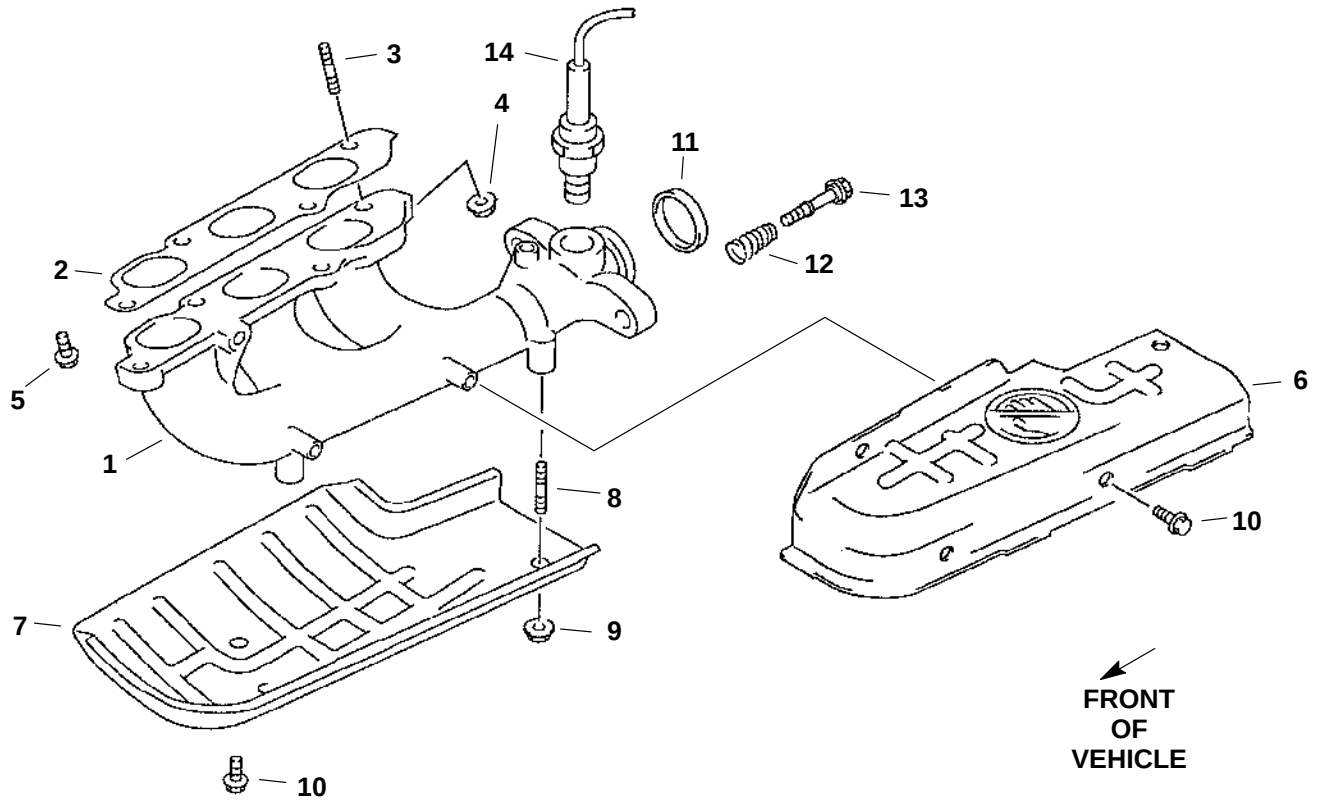
Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702467	Manifold, intake	1	
2	2701796	Gasket	1	
3	2701992	Stud bolt	2	
4	2701914	Nut	3	
5	2701834	Bolt	6	
6	2701993	Stud bolt	1	
7	2702468	Tank, surge	1	
8	2701804	Gasket	1	
9	2702469	Bolt	1	
10	2702470	Bolt	2	
11	2702471	Bolt	1	
12	2702433	Clamp	2	
13	2702473	Bracket, intake manifold No. 2	1	
14	2701827	Bolt	2	
15	2702474	Bracket, surge tank	1	
16	2702475	Bolt	1	
17	2701827	Bolt	1	
18	2702476	Body, throttle	1	
19	2701995	•Sensor, throttle position	1	
20	2701996	•Screw	2	
21	2702477	•Sensor, pressure	1	
22	2701998	•Screw	2	
23	2702478	•Valve, isc	1	
24	2702000	•Gasket	1	
25	2701998	•Screw	4	
26	2701803	Gasket	1	
27	2702001	Bolt	2	
28	2702426	Stud bolt	2	
29	2701914	Nut	2	
30	2702479	Hose, water inlet	1	
31	2702480	Hose, water outlet	1	
32	2702429	Clip	4	
33	2702481	Sensor, water temperature	1	
34	2702431	Plug	1	
35	2702432	Hose, brake vacuum	1	

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

6.8 PVC VALVE

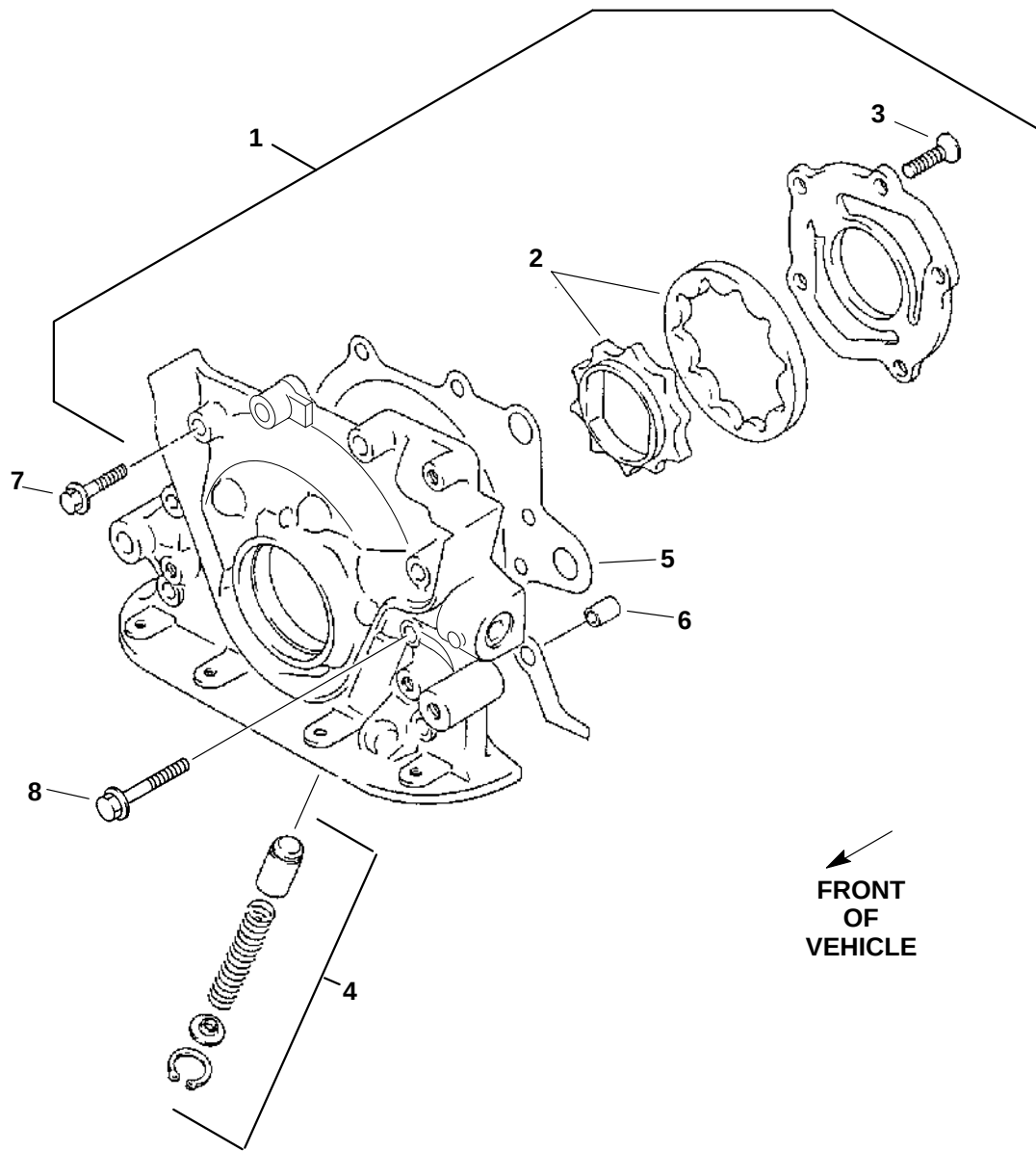


Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702488	Hose, breather	1	
2	2702484	Clip, hose	1	
3	2702485	Clamp	1	
4	2702486	Bolt	1	
5	2702488	Hose, PVC	1	
6	2702489	Seal	1	
7	2702490	Valve, PCV	1	
8	2702491	Clip	2	



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702492	Maniflod, exhaust	1	
2	2701797	Gasket	1	
3	2702493	Stud bolt	3	
4	2702494	Nut	3	
5	2702495	Bolt	1	
6	2702496	Cover, manifold upper	1	
7	2702497	Cover, manifold lower	1	
8	2701913	Stud bolt	2	
9	2702498	Nut	2	
10	2702499	Bolt (6x10)	5	
11	2702500	Ring, seal	1	
12	2702501	Spring	2	
13	2702502	Bolt (10x65)	2	

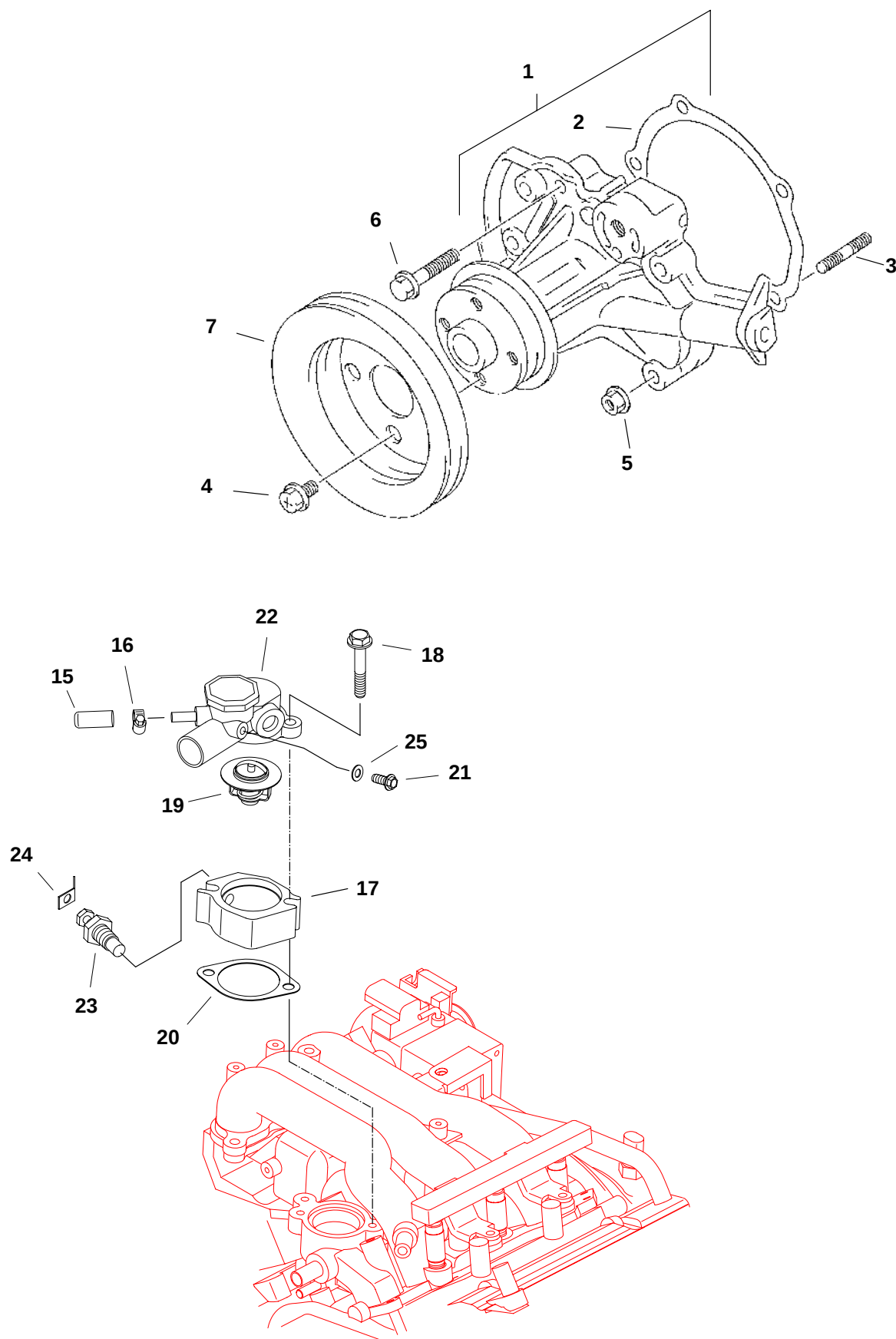
6.10 OIL PUMP



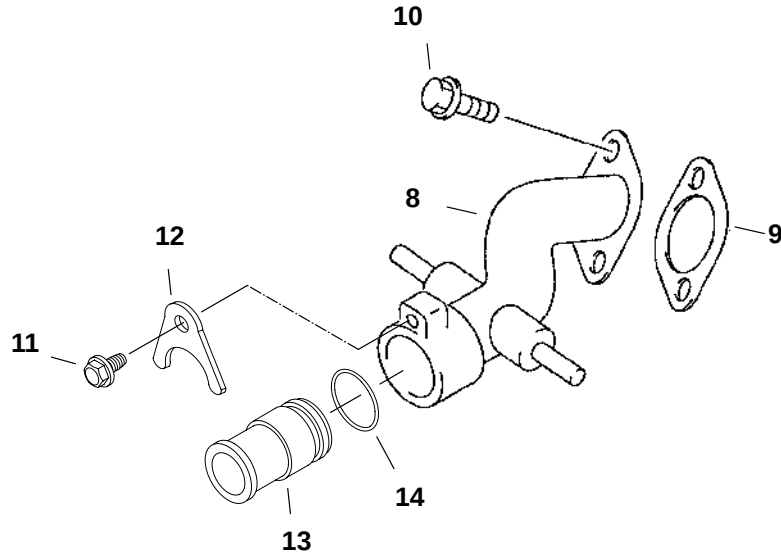
Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702515	Pump, oil	1	
2	2702516	R otor, oil pump	1	
3	2702517	S crew	5	
4	2702518	V alve, oil relief	1	
5	2701800	Gasket, oil pump cover	1	
6	2701949	Pin	2	
7	2702519	Bolt	4	
8	2702520	Bolt	4	

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

6.11 WATER PUMP & OUTLET, THERMOSTAT



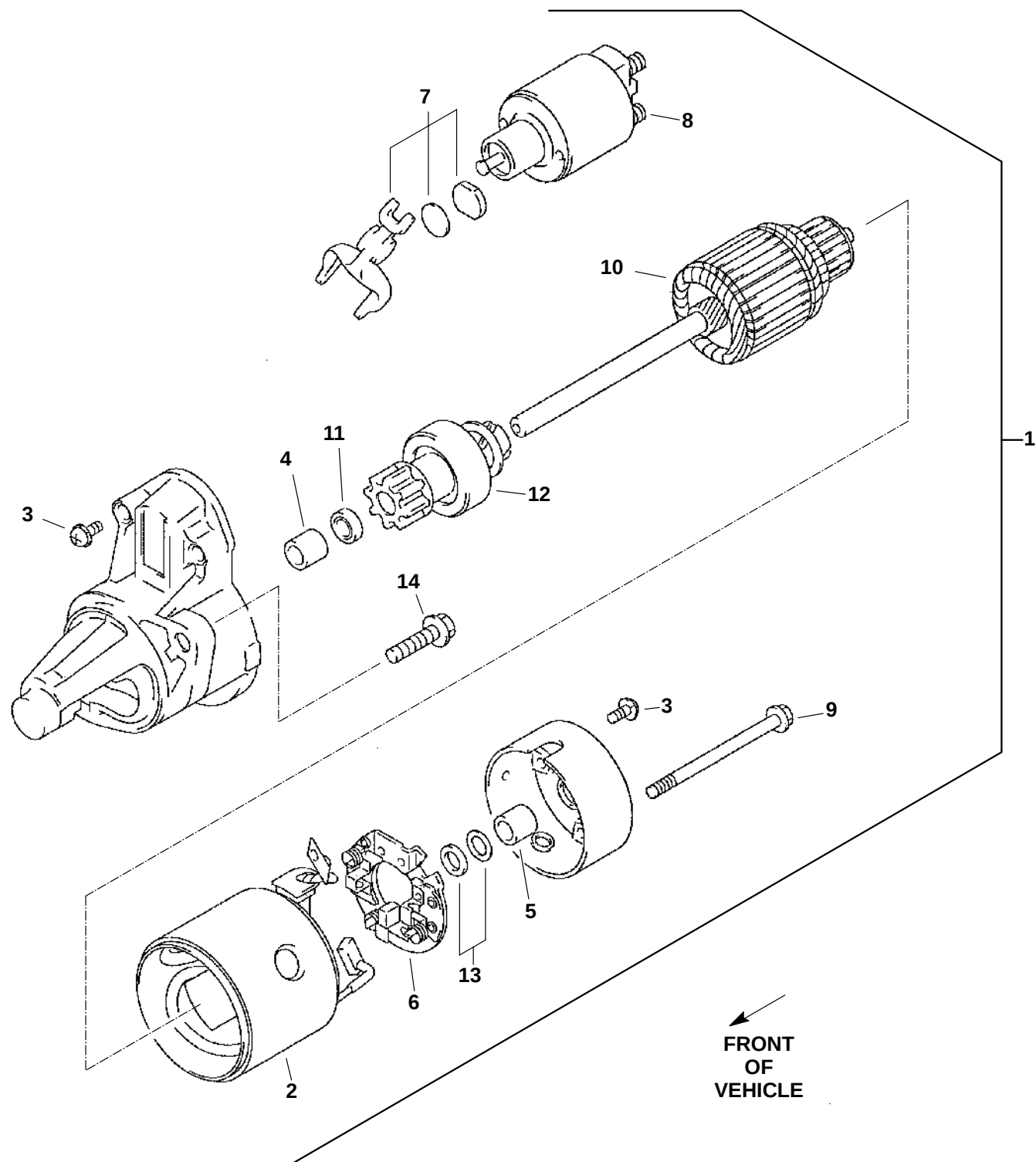
WATER PUMP & OUTLET, THERMOSTAT 6.11



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702522	Pump, water	1	
2	2701801	Gasket, water pump	1	
3	2702523	Stud	2	
4	2702537	Bolt	3	
5	2701914	Nut	2	
6	2702519	Bolt	3	
7	2702525	Pulley, water pump	1	
8	2702543	Case, water inlet	1	
9	2701802	Gasket	1	
10	2701834	Bolt	2	
11	452378	Screw, M6-1.00 x 20	1	
12	845409	Bracket, u-water inlet	1	
13	845365	Tube, water inlet	1	
14	2700031	O-ring	1	
15	845224	Cap, .313 x 1	1	
16	825624	Clamp, hose	1	
17	2701637	Housing, thermostat	1	
18	452392	Screw, M8-1.25 x 50	3	
19	2702542	Thermostat (82° C)	1	
20	2701513	Gasket, thermostat spacer	1	
21	2702540	Bolt, bleed valve	1	
22	2702539	Cap, thermostat	1	
23	843857	Sender, water temperature	1	
24	829787	Terminal, 45°, 1/4 male	1	
25	2702541	Washer, bleed valve	1	

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

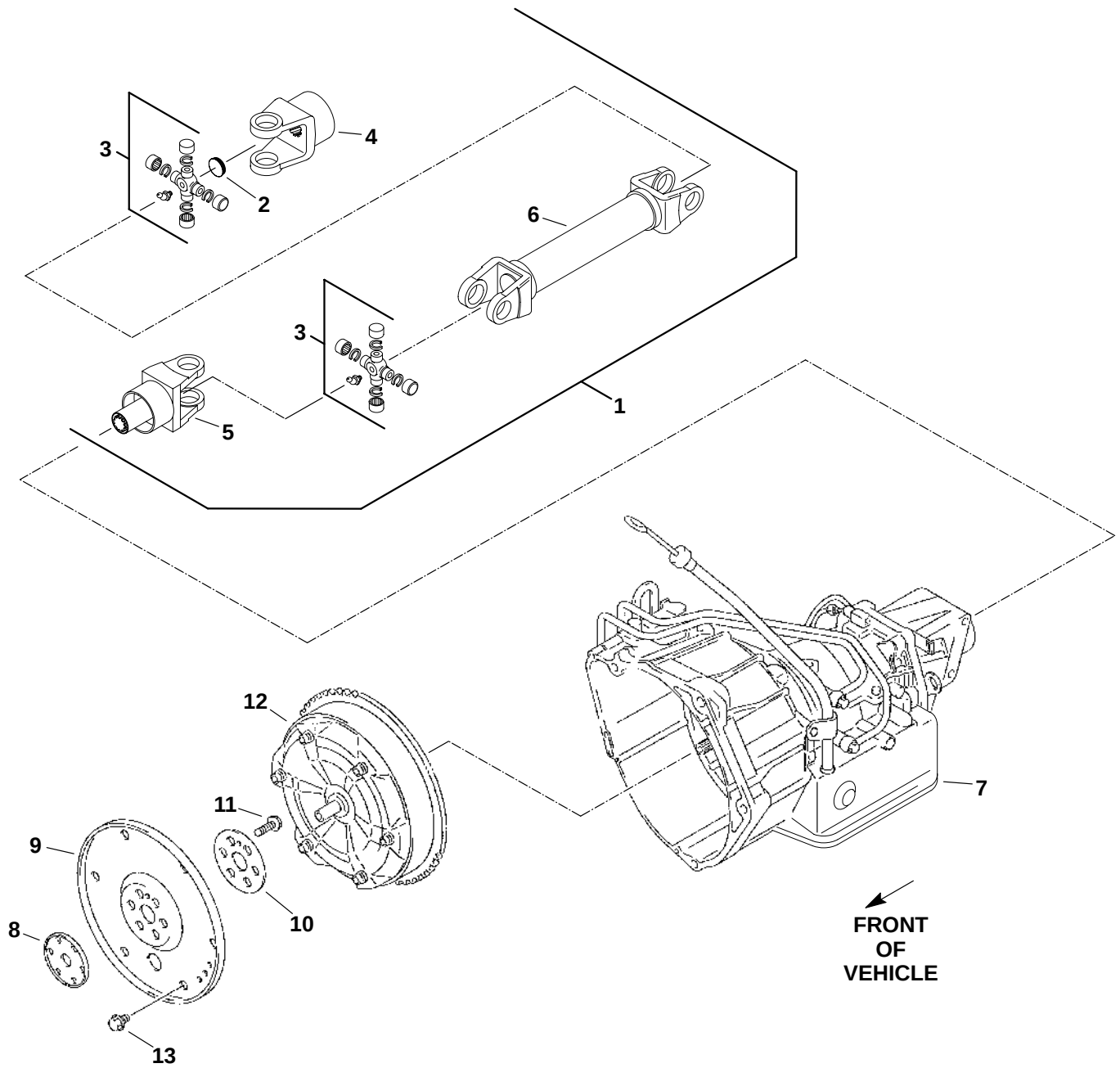
6.12 STARTER



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702906	Motor assembly, starting	1	
2	2702907	Y oke assembly	1	
3	2702895	S crew assembly	1	
4	2702896	B ushing	1	
5	2702897	B ushing	1	
6	2702898	H older assembly, brush	1	
7	2702899	L ever assembly	1	
8	2702900	S witch assembly	1	
9	2702908	B elt	2	
10	2702909	A rmature	1	
11	2702903	R ing assembly	1	
12	2702904	C lutch assembly	1	
13	2702905	W asher	1	
14	2702470	B elt	2	

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

6.13 DRIVESHAFT, TORQUE CONVERTER

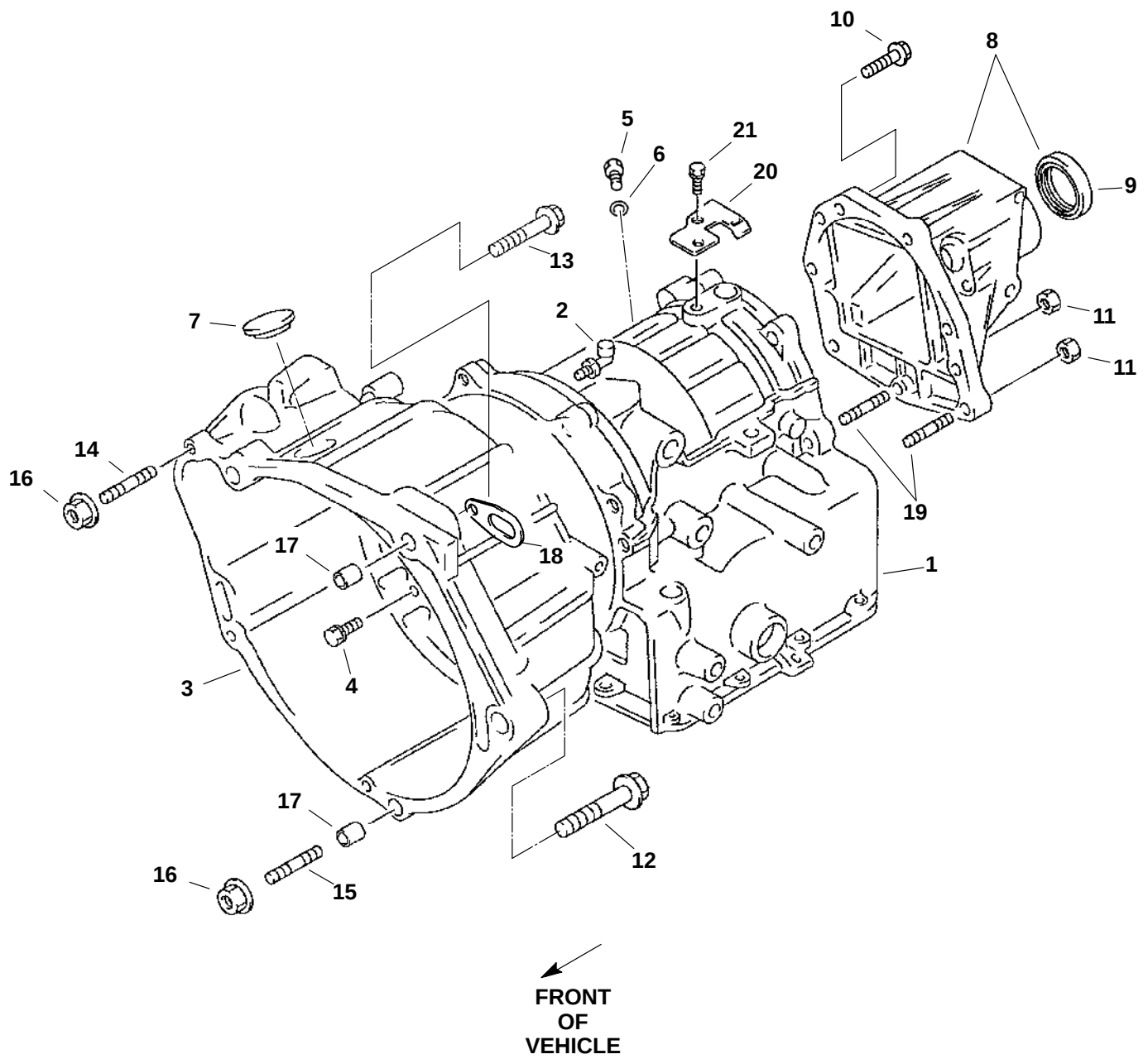


DRIVESHAFT, TORQUE CONVERTER 6.13

Ref. No.	Part No.	Description	No. Req'd	Notes
1	895112.7	Driveshaft, complete	1	
2	548482	Plug , expansion	3	
3	826284	Cross , u-joint	2	
4	826285	Yoke , universal	1	
5	895125	Yoke , front	1	
6	895126	Shaft , drive	1	
7	2702697	Transmission, complete	1	
8	2702698	Flange, drive plate	1	
9	2702699	Plate, drive (flywheel)	1	
10	2702700	Plate, drive rear	1	
11	2701951	Bolt	6	
12	2702701	Converter, torque	1	
13	2702702	Bolt	6	

- INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

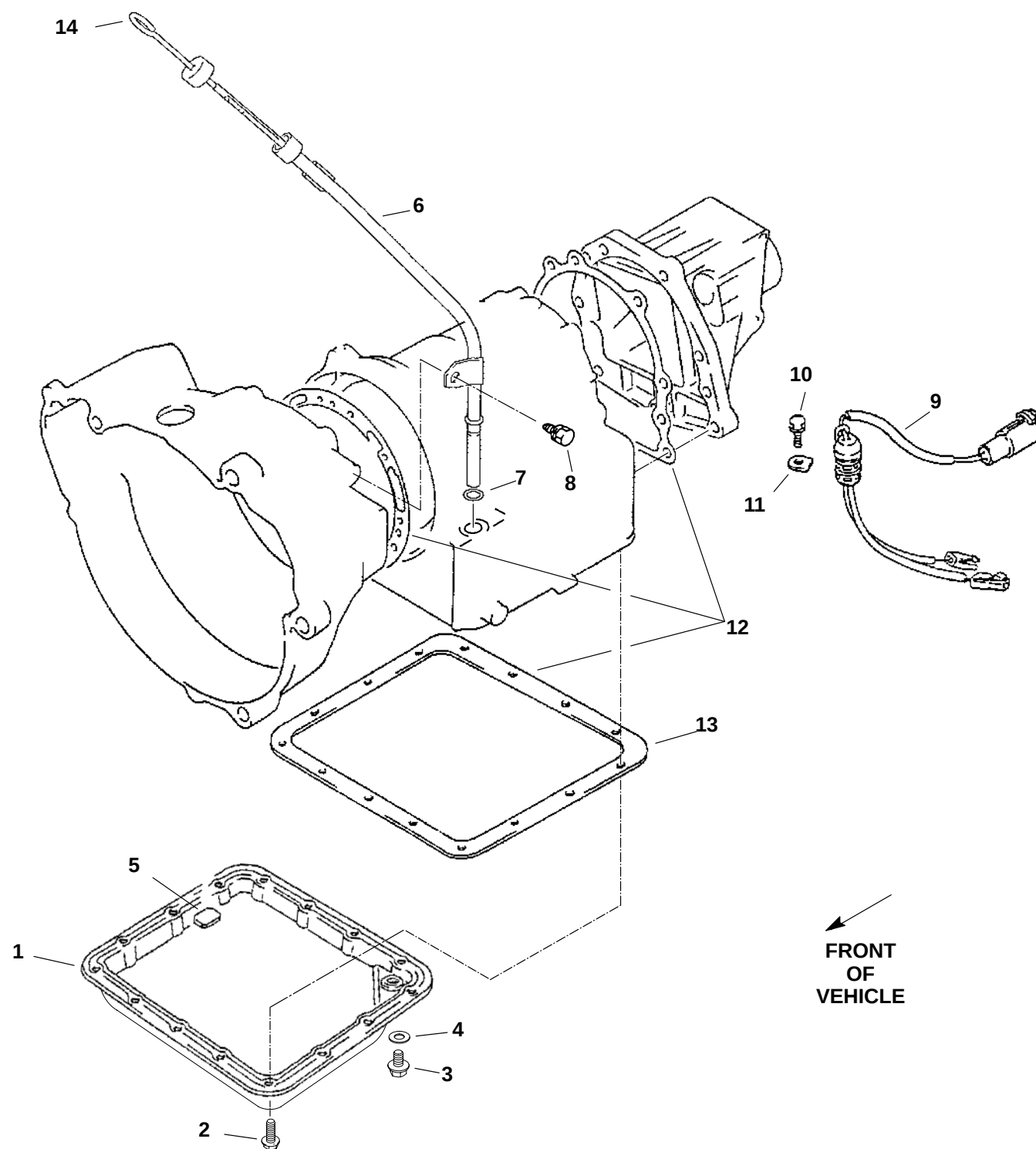
6.14 AUTOMATIC TRANSMISSION



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702750	Case, transmission	1	
2	2702751	B reather	1	
3	2702752	Housing, torque converter	1	
4	2702753	Bolt	6	
5	2702760	Plug, booster	1	
6	2702761	O ring	1	
7	2702662	Cap	1	
8	2702754	Housing, extension	1	
9	2702683	S eal, extension case	1	
10	2702755	Bolt	5	
11	2702494	Nut	2	
12	2702756	Bolt	1	
13	2702686	Bolt	1	
14	2702757	Stud	1	
15	2702758	Stud	1	
16	2702689	Nut	2	
17	2702690	Collar	2	
18	2702759	Hook, engine	1	
19	2702762	Bolt, transmission case	2	
20	2702763	Bracket, connector clamp	1	
21	2702764	Bolt	1	

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

6.15 AUTOMATIC TRANSMISSION PAN, DIPSTICK & GASKETS

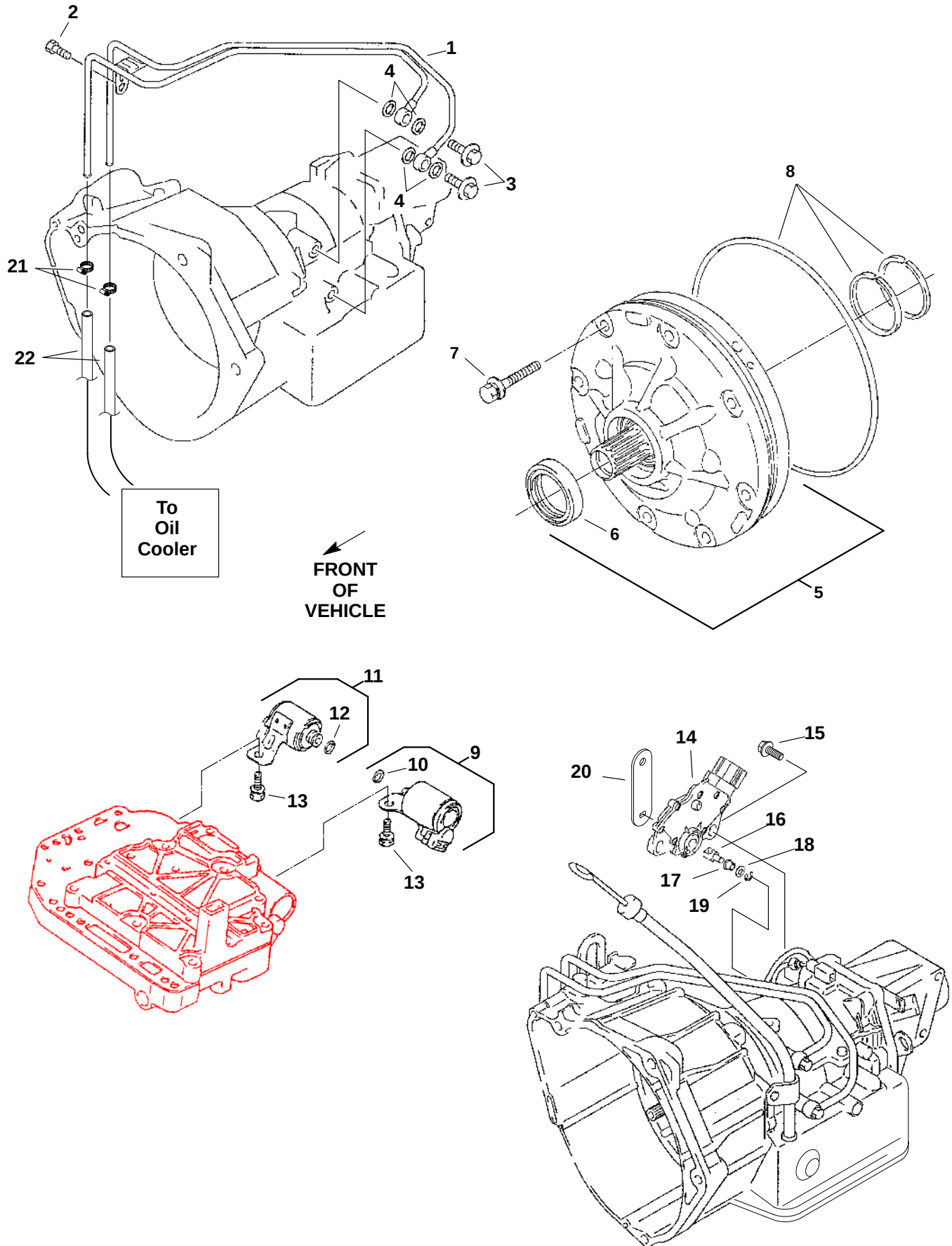


AUTOMATIC TRANSMISSION PAN, DIPSTICK & GASKETS 6.15

Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702806	Pan, transmission	1	
2	2702807	Bolt	15	
3	2702808	Plug, transmission drain	1	
4	2702809	Gasket, plug	1	
5	2702810	Magneto, fluid cleaner	1	
6	2702811	Tube, transmission dipstick	1	
7	2702813	⊗ ring	1	
8	2702475	Bolt	1	
9	2702816	Harness, solenoid wire	1	
10	2701921	Bolt	1	
11	2702817	Plate, solenoid harness	1	
12	2702748	Set, transmission gasket	1	
13	2702749	⊗ gasket, transmission pan	1	
14	2702814	Dipstick, transmission	1	

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

6.16 TRANSMISSION TUBES, OIL PUMP, SOLENOIDS & SHIFT SWITCH

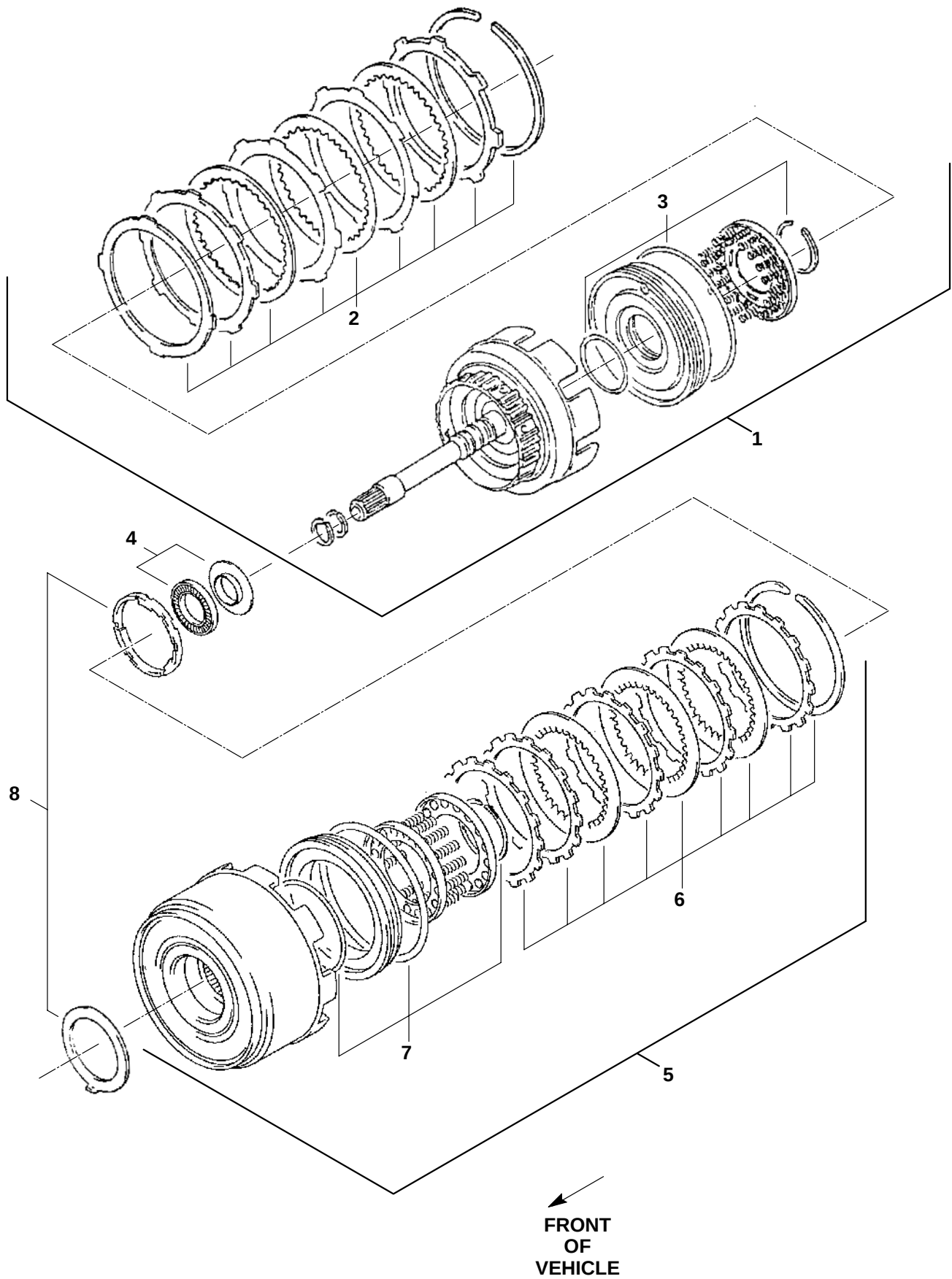


TRANSMISSION TUBES, OIL PUMP, SOLENOIDS & SHIFT SWITCH 6.16

Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702843	Pipe assembly, oil	1	
2	2702849	Bolt	1	
3	2702847	Union bolt	2	
4	2702845	Gasket	4	
5	2702765	Pump, oil	1	
6	2702766	Seal , oil pump	1	
7	2702767	Bolt, oil pump	8	
8	2702768	Ring set, oil pump seal	1	
9	2702822	Solenoid, direct clutch	1	
10	2702823	O -ring	1	
11	2702824	Solenoid, 2nd brake	1	
12	2702823	O -ring	1	
13	2702764	Bolt	2	
14	2702885	Switch, shift	1	
15	2702886	Bolt	1	
16	2702881	Joint, transmission shifter	2	
17	2702882	Bushing	1	
18	2702883	Washer	1	
19	2702884	E-ring	1	
20	842740	Lever, shifter	1	
21	825624	Clamp, hose	2	
22	826590	Hose, 5/16 i.d.	As Req'd.	

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

6.17 TRANSMISSION INPUT SHAFT & CLUTCH

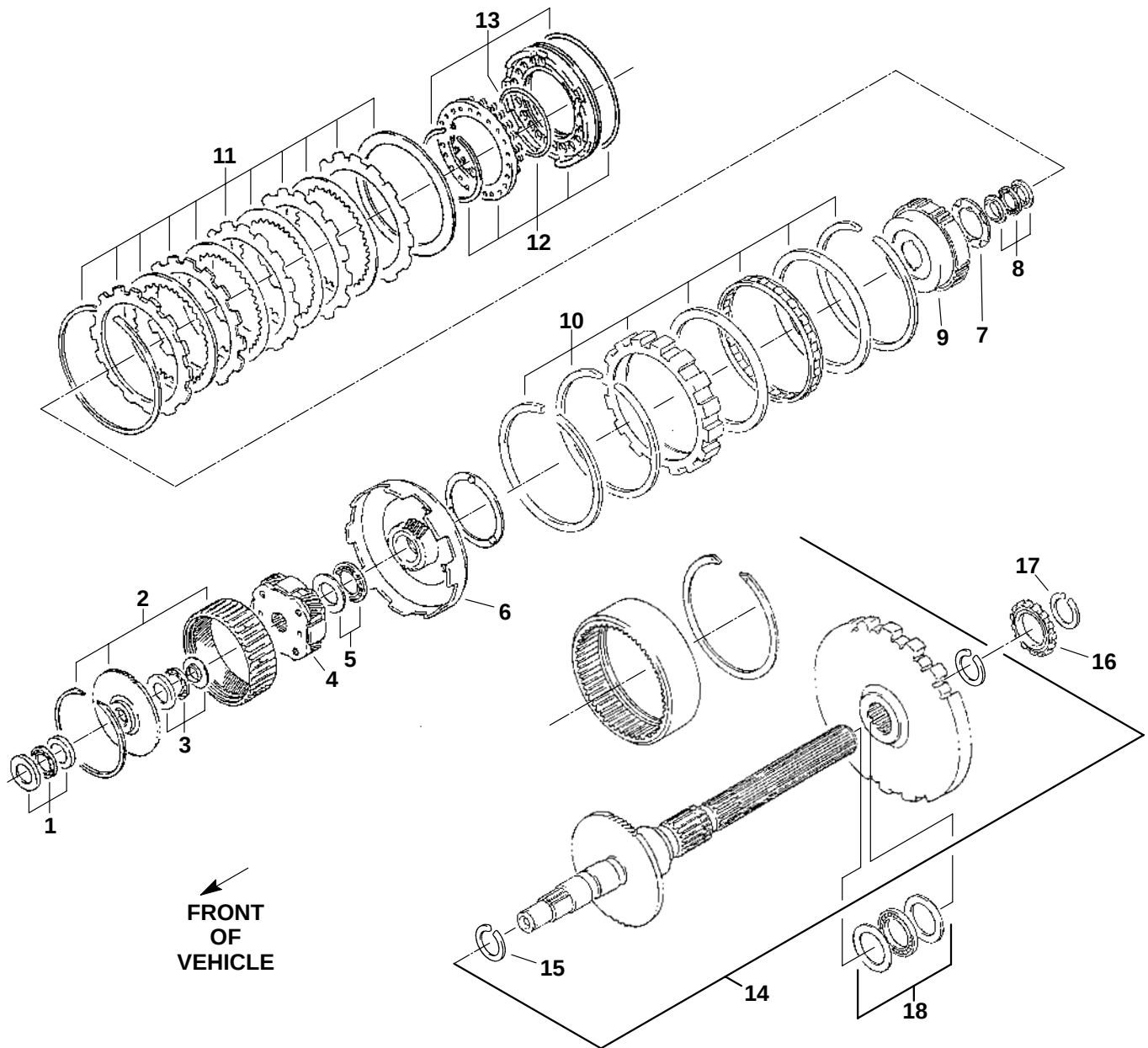


TRANSMISSION INPUT SHAFT & CLUTCH 6.17

Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702769	Shaft set, input	1	
2	2702770	Plate set, forward clutch	1	
3	2702771	 ring set, forward clutch	1	
4	2702772	Bearing set, thrust (No. 1)	1	
5	2702773	Clutch assembly, direct	1	
6	2702774	Plate set, direct clutch	1	
7	2702775	 ring set, direct clutch	1	
8	2702776	Washer set, direct clutch	1	

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

6.18 TRANSMISSION PLANETARY GEARS & OUTPUT SHAFT

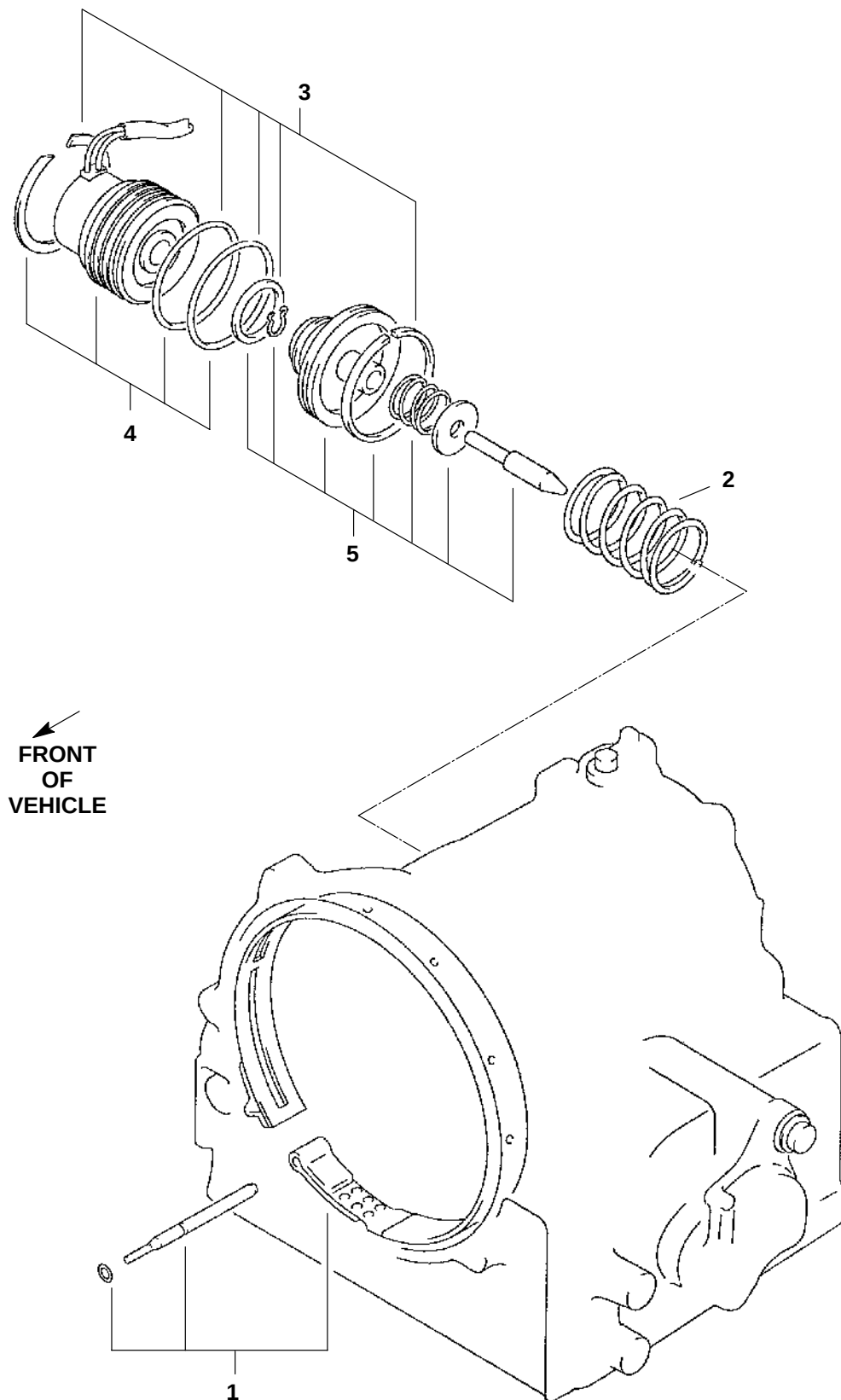


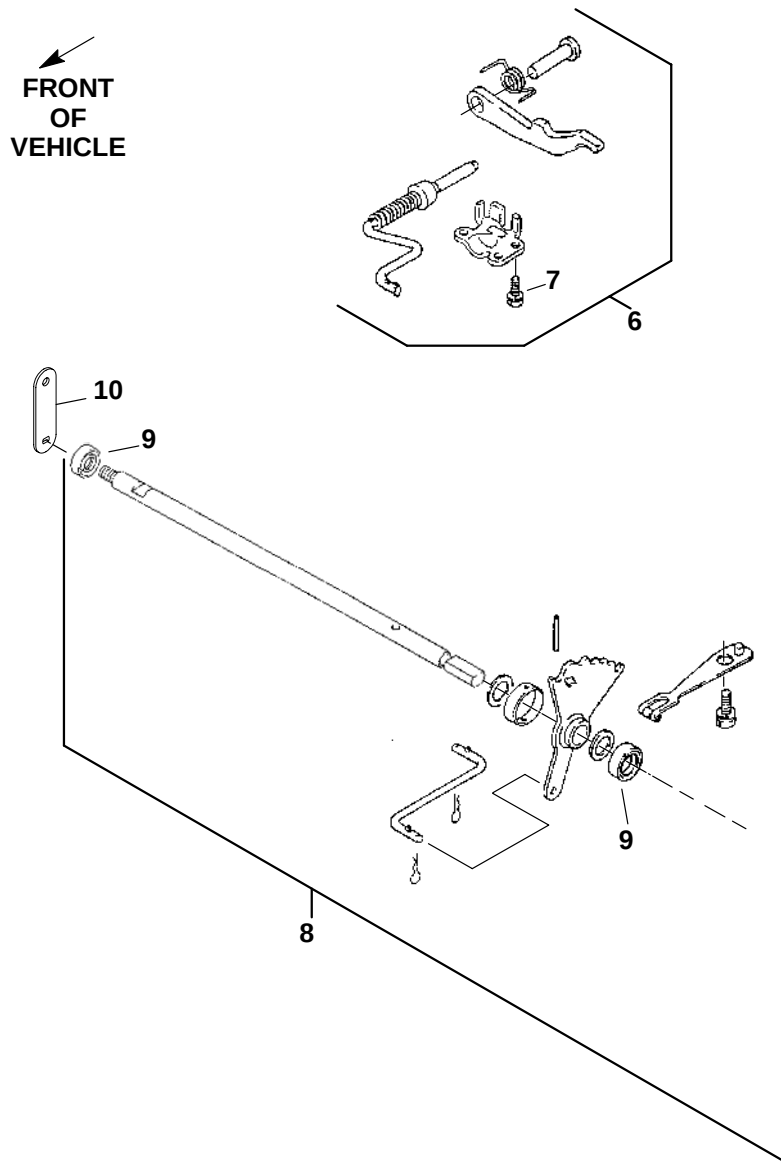
TRANSMISSION PLANETARY GEARS & OUTPUT SHAFT 6.18

Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702778	Bearing set, thrust (No. 3)	1	
2	2702777	Gear assembly, forward planetary link	1	
3	2702780	Bearing set, thrust (No. 4)	1	
4	2702779	Gear assembly, front	1	
5	2702781	Bearing set, thrust (No. 5)	1	
6	2702782	Gear, planetary sun	1	
7	2702783	Washer set, thrust	1	
8	2702785	Bearing set, thrust (No. 1)	1	
9	2702784	Gear, rear planetary	1	
10	2702786	Clutch set, 1-way	1	
11	2702787	Plate set, 1st/reverse	1	
12	2702788	Piston set, 1st/reverse	1	
13	2702789	⊗ring set, 1st/reverse	1	
14	2702790	Shaft, output	1	
15	2702792	Ring, snap	1	
16	2702793	Ring, speedometer exciter	1	
17	2702794	Cir-clip, exciter ring	1	
18	2702795	Bearing, thrust (Set No. 6)	1	

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

6.19 BRAKE BAND & SHIFT SHAFT

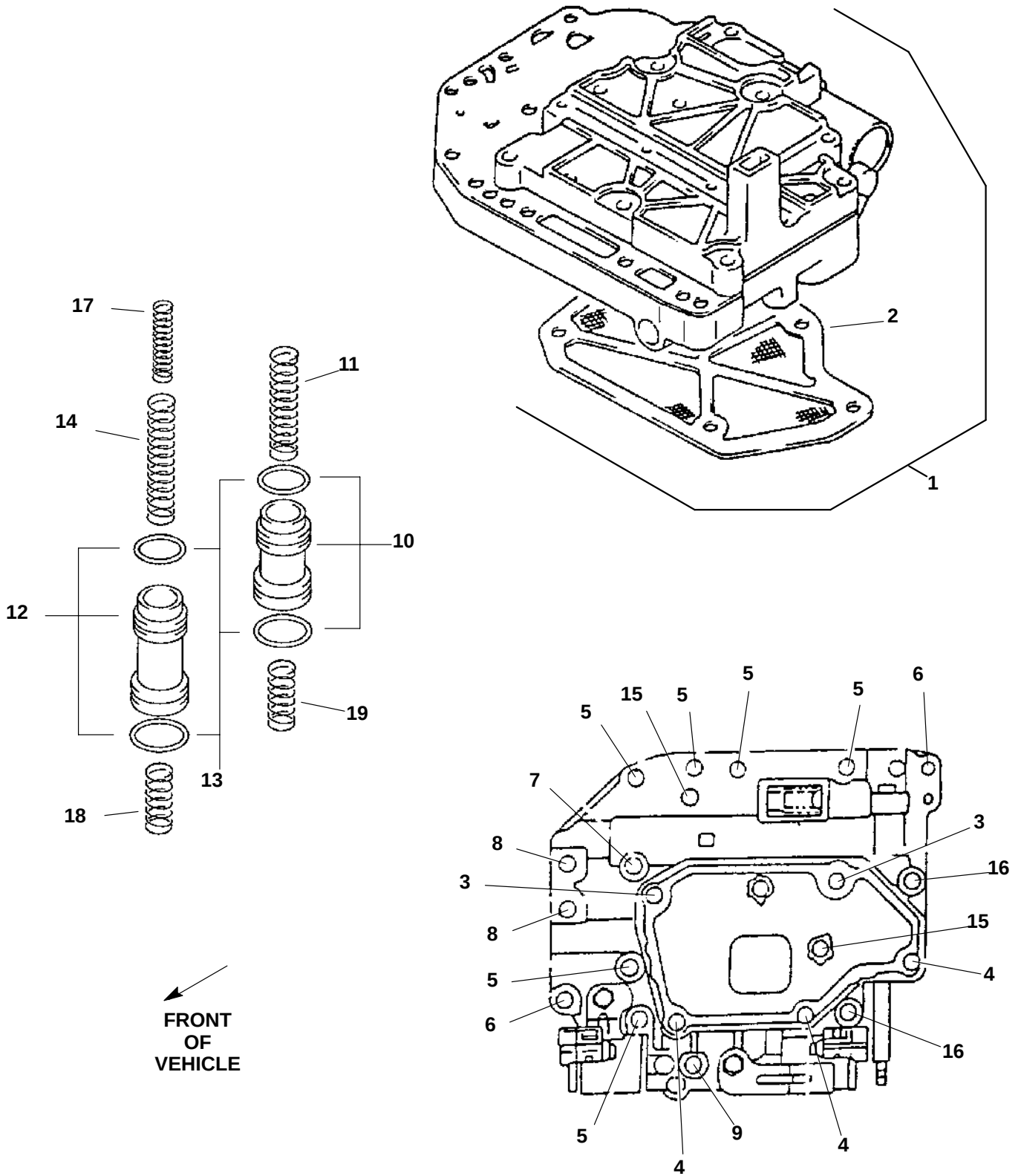




Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702800	Band set, second brake	1	
2	2702805	Spring, second brake piston return	1	
3	2702801	Piston assembly, second brake	1	
4	2702804	Cover set, 2nd brake	1	
5	2702801	Ring set, 2nd brake seal	1	
6	2702796	Pole set, parking	1	
7	2701921	Bolt	3	
8	2702797	Shaft set, lever	1	
9	2702798	Seal	2	
10	842740	Lever, shifter	1	

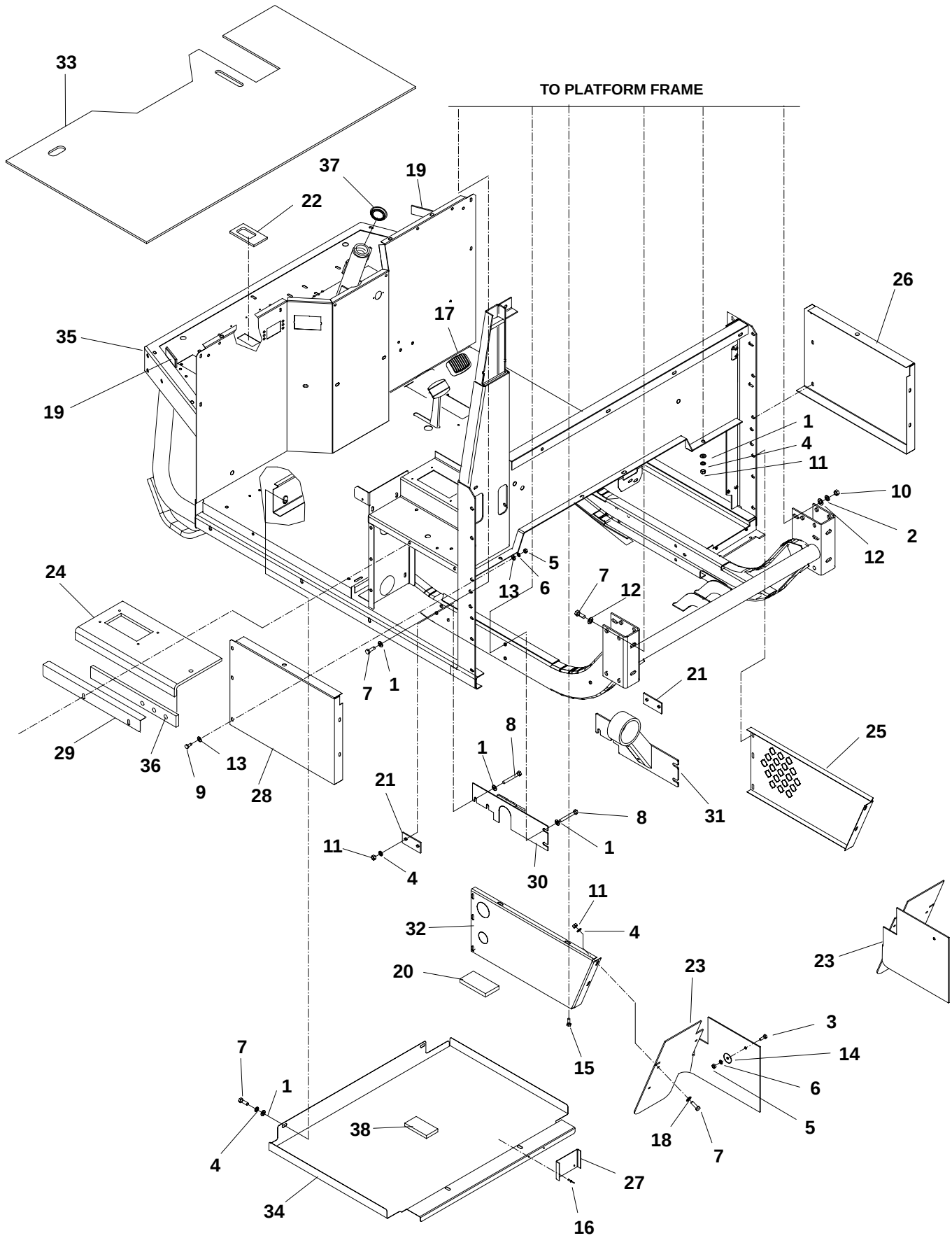
•INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

6.20 TRANSMISSION VALVE



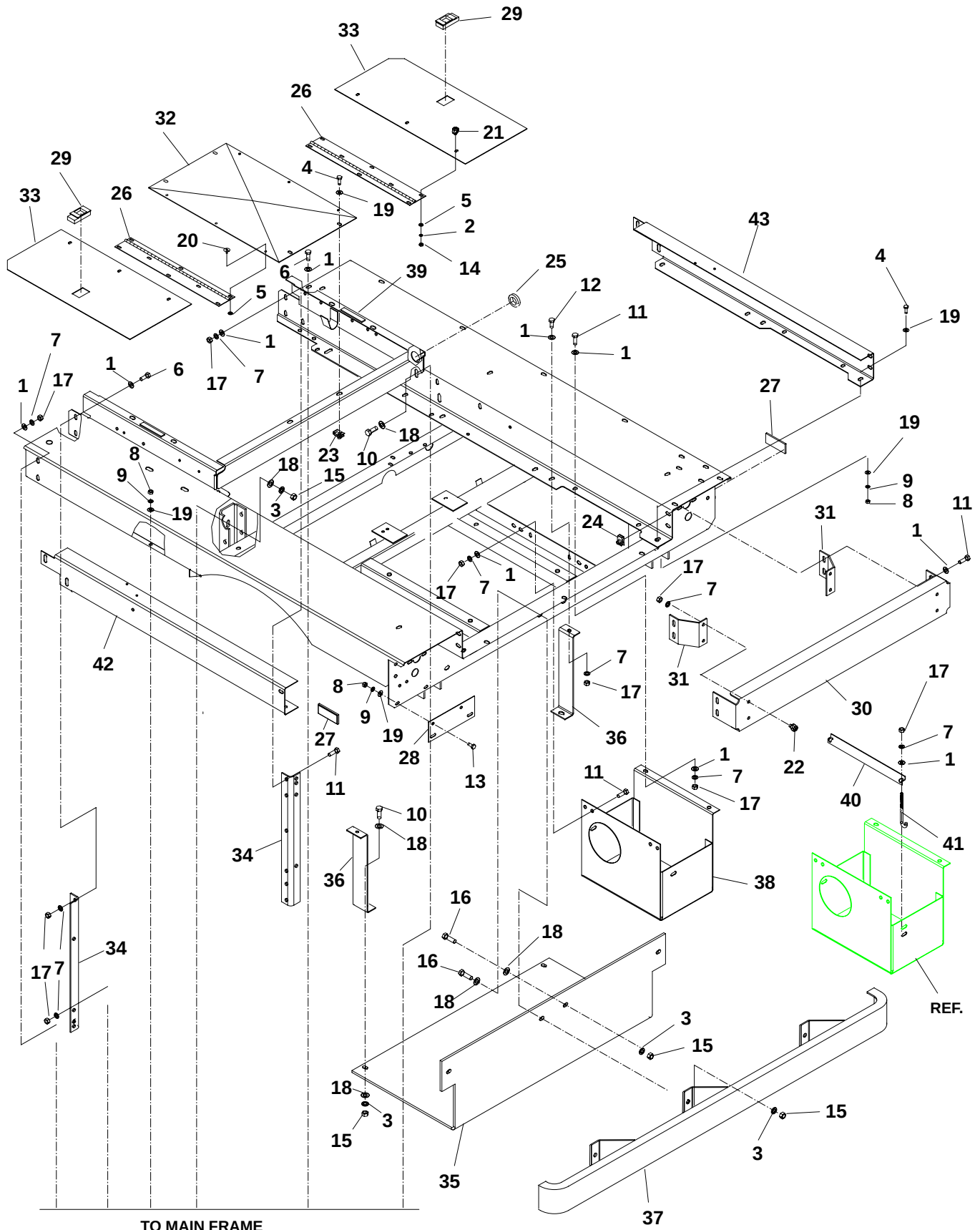
Ref. No.	Part No.	Description	No. Req'd	Notes
1	2702821	Body assembly transmission valve	1	
2	2702825	Strainer, transmission	1	
3	2702826	Bolt, valve body, No. 5	2	
4	2702827	Bolt, valve body, No. 6	3	
5	2702836	Bolt, valve body, No. 1	6	
6	2702834	Bolt, valve body, No. 2	2	
7	2702835	Bolt, valve body, No. 3	1	
8	2702837	Bolt, valve body, No. 4	2	
9	2702838	Bolt, valve body, No. 6	1	
10	2702828	Piston set, C1 accumulator	1	
11	2702829	Spring, forward piston	1	
12	2702830	Piston set, B1 accumulator	1	
13	2702833	Seal ring set, accumulator	1	
14	2702831	Spring, accumulator 2nd brake position	1	
15	2702839	Bolt, valve body, No. 1	2	
16	2702840	Bolt, valve body, No. 2	2	
17	2702841	Spring, 2nd brake No. 2	1	
18	2702842	Spring, 2nd brake No. 3	1	
19	2702832	Spring, accumulator forward piston lower	1	

6.21 MAIN FRAME



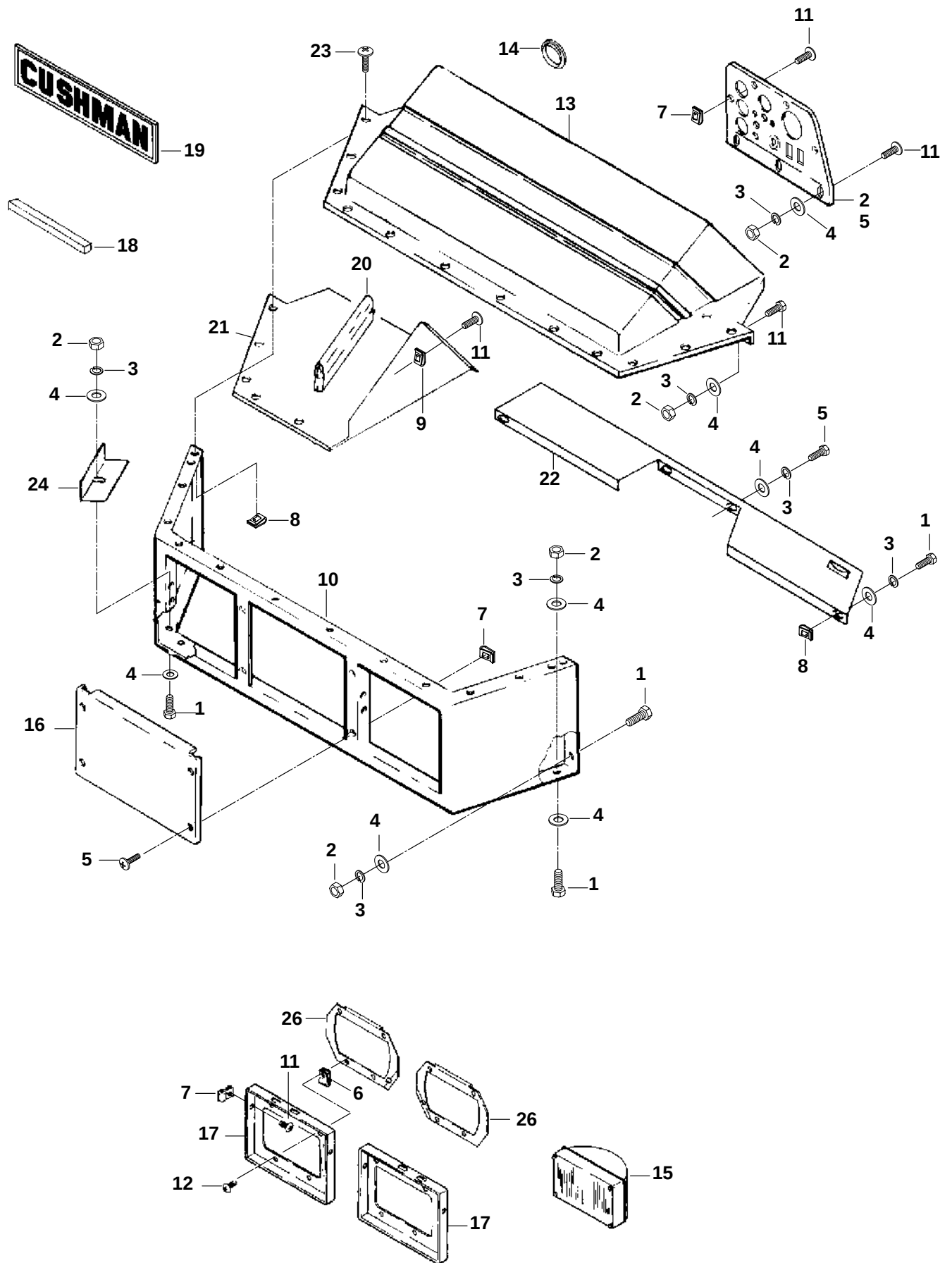
Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	18	
2	120177	Lockwasher, 3/8	4	
3	300646	Screw, 1/4-20 x 3/4	4	
4	306325	Lockwasher, 5/16	18	
5	306375	Nut, 1/4-20	6	
6	306396	Lockwasher, 1/4	11	
7	306416	Screw, 5/16-18	14	
8	306464	Screw, 5/16-18 x 2 1/2	8	
9	306487	Screw, 1/4-20 x 5/8	6	
10	306562	Nut, 3/8-16	4	
11	306932	Nut, 3/8-16	14	
12	306981	Washer, 3/8	8	
13	308090	Washer, 1/4	16	
14	548175	Washer, 1/4	4	
15	800026	Screw, 1/4-20 x 3/4	3	
16	800390	Rivet, 1/8 x 25/64	2	
17	810152	Cover	1	
18	825128	Washer, 11/32	8	
19	825933	Reflector, yellow	2	
20	829880	Pad	2	
21	830762	Plate	2	
22	836389	Gasket, horn	1	
23	837690	Guard, splash	2	
24	838688	Cover, foam	1	
25	840230	Panel, RIGHT	1	
26	840233	Panel, RIGHT	1	
27	842868	Plate, oil deflector	1	
28	843172	Panel, LEFT, filler	1	
29	843219	Cover, pad	1	
30	2701419.7	Mount, motor, LEFT	1	
31	2702236	Mount, motor, RIGHT	1	
32	894057	Panel, LEFT	1	
33	900047	Mat, floor	1	
34	900048	Pan, skid	1	
35	2701459.7	Frame, main	1	
36	828998	Seal, foam	1	
37	821606	Grommet	1	
38	828577	Pad	1	

6.22 PLATFORM FRAME



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	24	
2	120052	Lockwasher, #10	6	
3	120177	Lockwasher, 3/8	9	
4	300646	Screw, 1/4-20 x 3/4	10	
5	303952	Washer, 13/64	18	
6	306322	Screw, 5/16-18 x 7/8	4	
7	306325	Lockwasher, 5/16	26	
8	306375	Nut, 1/4-20	11	
9	306396	Lockwasher, 1/4	21	
10	306414	Screw, 3/8-16 x 1	6	
11	306416	Screw, 5/16-18	14	
12	306450	Screw, 5/16-18 x 3/4	2	
13	306487	Screw, 1/4-20 x 5/8	9	
14	306531	Nut, #10-24	6	
15	306562	Nut, 3/8-16	13	
16	306839	Nut, 5/8-18	3	
17	306932	Nut, 3/8-16	24	
18	306981	Washer, 3/8	15	
19	308090	Washer, 1/4	26	
20	548238	Rivet, 3/16	6	
21	800021	Screw, #10-32 x 1/2	6	
22	800177	Screw, 5/16-18 x 3/4	4	
23	800449	Nut, 1/4-20	4	
24	800696	Nut, 5/16-18	4	
25	810441	Grommet	1	
26	812208	Hinge	2	
27	825934	Reflector, red	2	
28	826294	Plate, mounting	1	
29	835213	Latch, slide	2	
30	840403	Bumper, rear	1	
31	840404	Bracket, rear bumper	2	
32	2702277.12	Cover	1	
33	843206	Door	2	
34	843218	Angle, platform support	2	
35	844853	Plate, skid	1	
36	844858	Bracket	2	
37	883883	Bumper	1	
38	884183	Box	1	
39	828378	Sealer, 50' (15 M)	As Req'd.	
40	815847	Hold down, battery	1	
41	812313	J-bolt	2	
42	2700615.7	Channel, LEFT	1	
43	2700616.7	Channel, RIGHT	1	

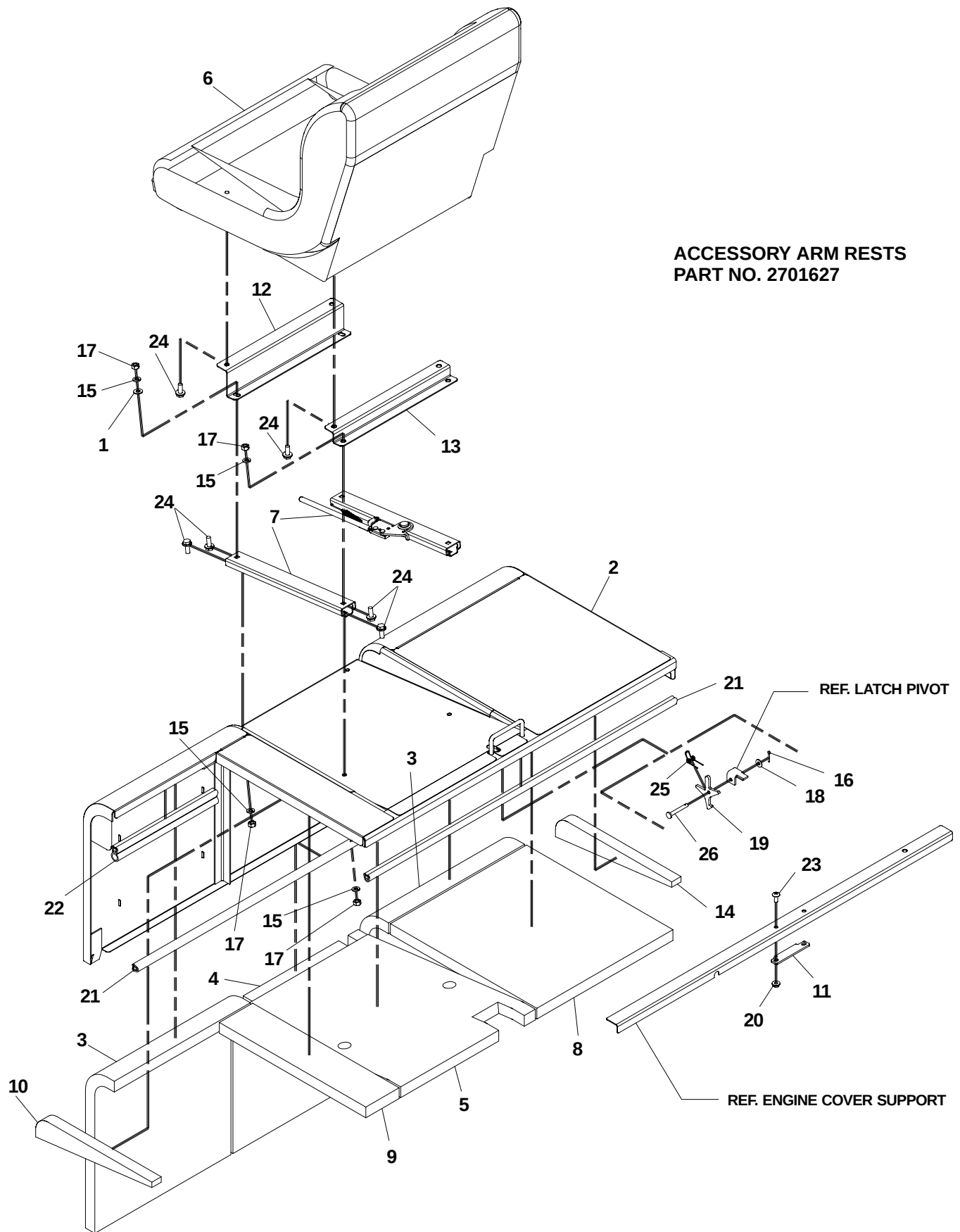
6.23 BODY FRONT



Ref. No.	Part No.	Description	No. Req'd	Notes
1	300646	Screw, 1/4-20 x 3/4"	11	
2	306375	Nut, 1/4-20	8	
3	306396	Lockwasher, 1/4"	13	
4	308090	Washer, 1/4"	21	
5	800026	Screw, P.T.H., 1/4-20 x 3/4"	2	
6	800169	Nut, speed, 1/4-20	8	
7	800279	Nut, speed, 1/4-20	20	
8	800449	Nut, speed, 1/4-20	14	
9	800495	Nut, speed, 1/4-20	3	
10	885833	Body, front	1	
11	800582	Screw, P.T.H., 1/4-20 x 3/4"	24	
12	800739	Screw, P.T.H., 1/4-20 x 1 1/2"	8	
13	889159	Panel, dash	1	
14	842863	Plug, hole, defroster	1	
15	837303	Headlight, rectangular	2	
16	843210	Panel, front body	1	
17	843209	Panel, headlight	2	
18	830355	Seal, rubber, 35' (10.7M)	As Req'd	
19	830790	Decal plate, CUSHMAN	1	
20	830908	Seal, push on, 25' (7.6M)	As Req'd	
21	843208	Panel, glove box	1	
22	843212	Brace, dash	1	
23	833830	Screw, shoulder, 1/4-20 x 3/4"	1	
24	833943	Bracket, clamping	2	
25	2701409.7	Panel, instrument	1	
26	843211	Panel, retainer	2	

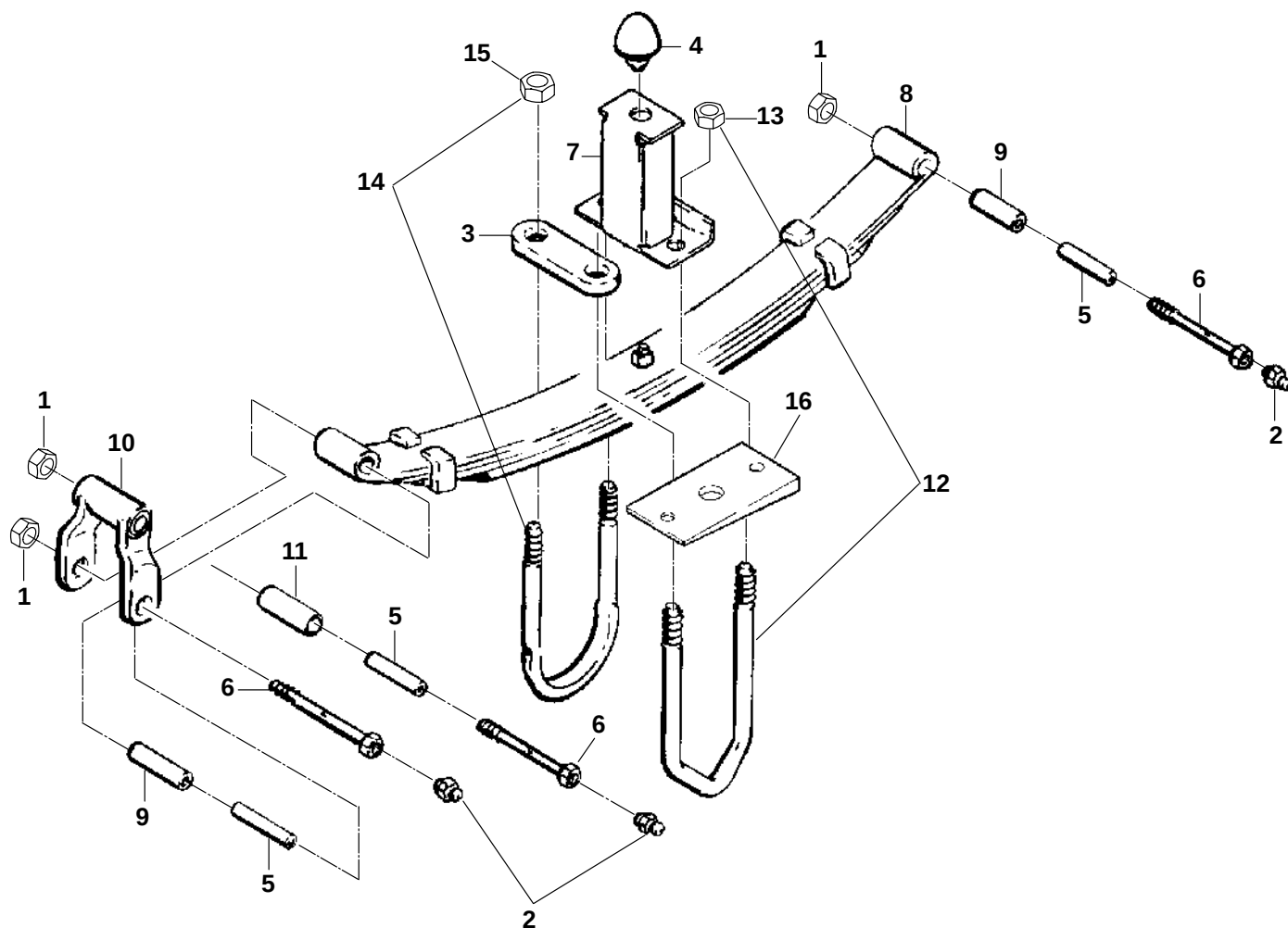
- INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

6.24 ENGINE COVER AND SEAT



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	2	
2	2701477.12	Cover, engine	1	
3	2701482	Foam, engine cover, front	2	
4	2701483	Foam, engine cover, center	1	
5	2701498	Foam, engine cover, top	1	
6	2701625	Seat, 18" cloth	1	
7	2701626	Slide, seat adjuster	1	
8	2701629	Foam, engine cover, top side	1	
9	2702003	Foam, engine cover	1	
10	2702004	Foam, engine cover	1	
11	2702199	Catch, latch	1	
12	2703282.12	Bracket, front seat	1	
13	2703283.12	Bracket, rear seat	1	
14	2703303	Foam, engine cover	1	
15	306325	Lockwasher, 5/16	8	
16	306328	Pin, cotter, 3/32 x 3/4	1	
17	306932	Nut, 5/16-18	8	
18	308090	Washer, 1/4	1	
19	523085	Bracket	1	
20	548910	Nut, 1/4-20	2	
21	831004	Weatherstrip, 25' (7.6M)	As Req'd.	
22	830908	Seal, push-on, 25' (7.6M)	As Req'd.	
23	800582	Screw, 1/4-20 x 3/4	2	
24	800794	Screw, 5/16-18 x 3/4	12	
25	816401	Spring, torsion	1	
26	830784	Pin, clevis, 1/4 x 1 7/8	1	
	2701627	Accessory Arm Rests Set	1	Not illustrated.

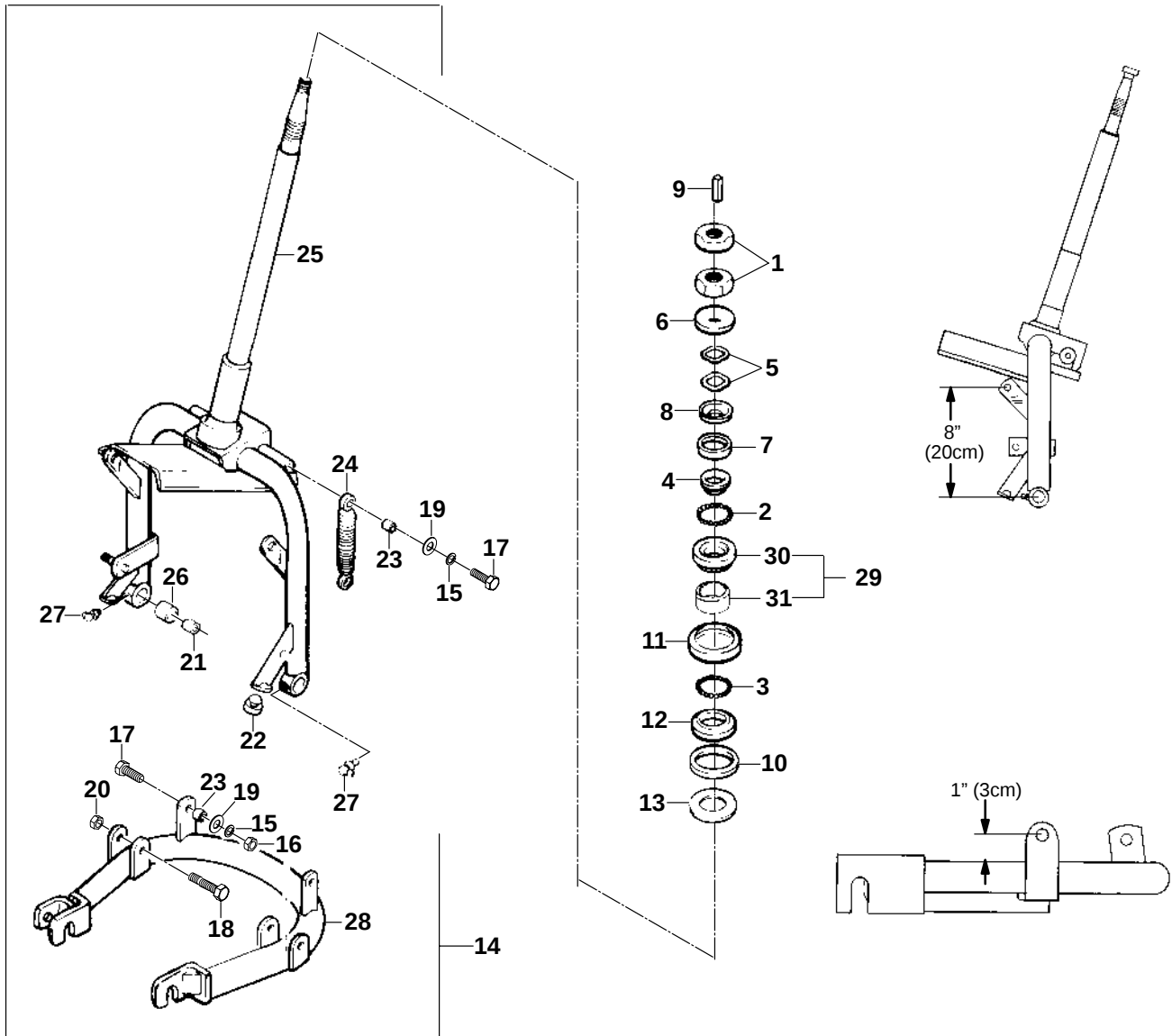
6.25 REAR SPRING



Ref. No.	Part No.	Description	No. Req'd	Notes
1	800294	Nut, lock, 7/16–14	6	
2	807439	Fitting, lubrication, 1/4–28	6	
3	812218	Plate	2	
4	813850	Bumper, rubber	2	
5	828946	Bushing	6	
6	828948	Screw, shackle, 7/16–14 x 3 1/4"	4	
7	834979	Upstop	2	
8	886015	Spring, rear	2	
9	821734	•Bushing	2	
10	886016	Shackle, spring	2	
11	805196	wBushing	2	
12	887187	U-bolt, 2" (51 mm) w/nuts	2	
13	548061	wNut, lock, 7/16–20	2	
14	887188	U-bolt, 2 1/2" (64 mm) w/nuts	2	
15	548061	•Nut, lock, 7/16–20	2	
16	838409	Spacer, leaf spring	2	

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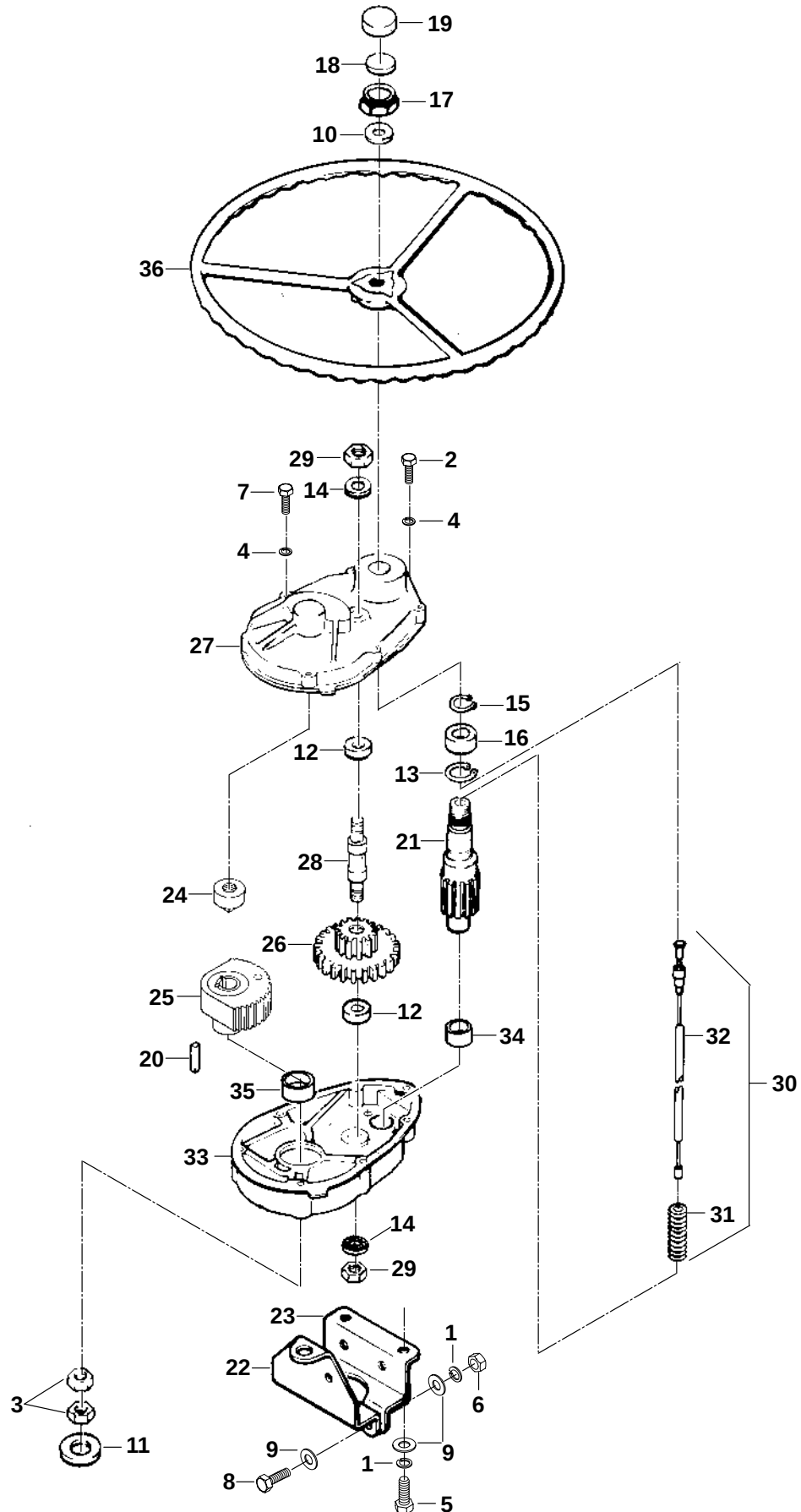
6.26 FRONT FORK



Ref. No.	Part No.	Description	No. Req'd	Notes
1	305134	Nut, jam, 7/8–14	2	
2	800128	Ball, bearing, 3/16" (5mm)	20	
3	800130	Ball, bearing, 1/4" (6mm)	28	
4	808076	Cone, upper bearing	1	
5	809221	Washer, wave	2	
6	809255	Cover, dust shield	1	
7	812167	Seal, dust	1	
8	814961	Washer	1	
9	816659	Key, 5/32" x 5/32" x 1 1/4"	1	
10	825679	Shield, felt dust	1	
11	825681	Cup, bearing	1	
12	825682	Cone, bearing	1	
13	825683	Washer, front fork	1	
14	891767	Fork, complete	1	
15	120177	•Lockwasher, 3/8"	4	
16	306562	•Nut, 3/8–16	2	
17	306835	•Screw, 3/8–16 x 1 1/4"	4	
18	311396	•Screw, 7/16–14 x 2 1/4"	2	
19	604174	•Washer, 3/8"	4	
20	800293	•Nut, lock, 7/16–14	2	
21	808969	•Bushing	2	
22	810149	•Bumper, rubber	2	
23	816697	•Bushing	4	
24	825403	•Spring	2	
25	891764	•Tube, fork	1	
26	805189	••Bushing	2	
27	807442	••Fitting, lubrication, 1/4–28	2	
28	891765	•Tube, axle mounting	1	
29	886600	Cup, bearing, complete	1	
30	812098	•Cup, bearing	1	
31	829285	•Bushing, upper fork	1	

- INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

6.27 STEERING GEAR, STEERING WHEEL & HORN

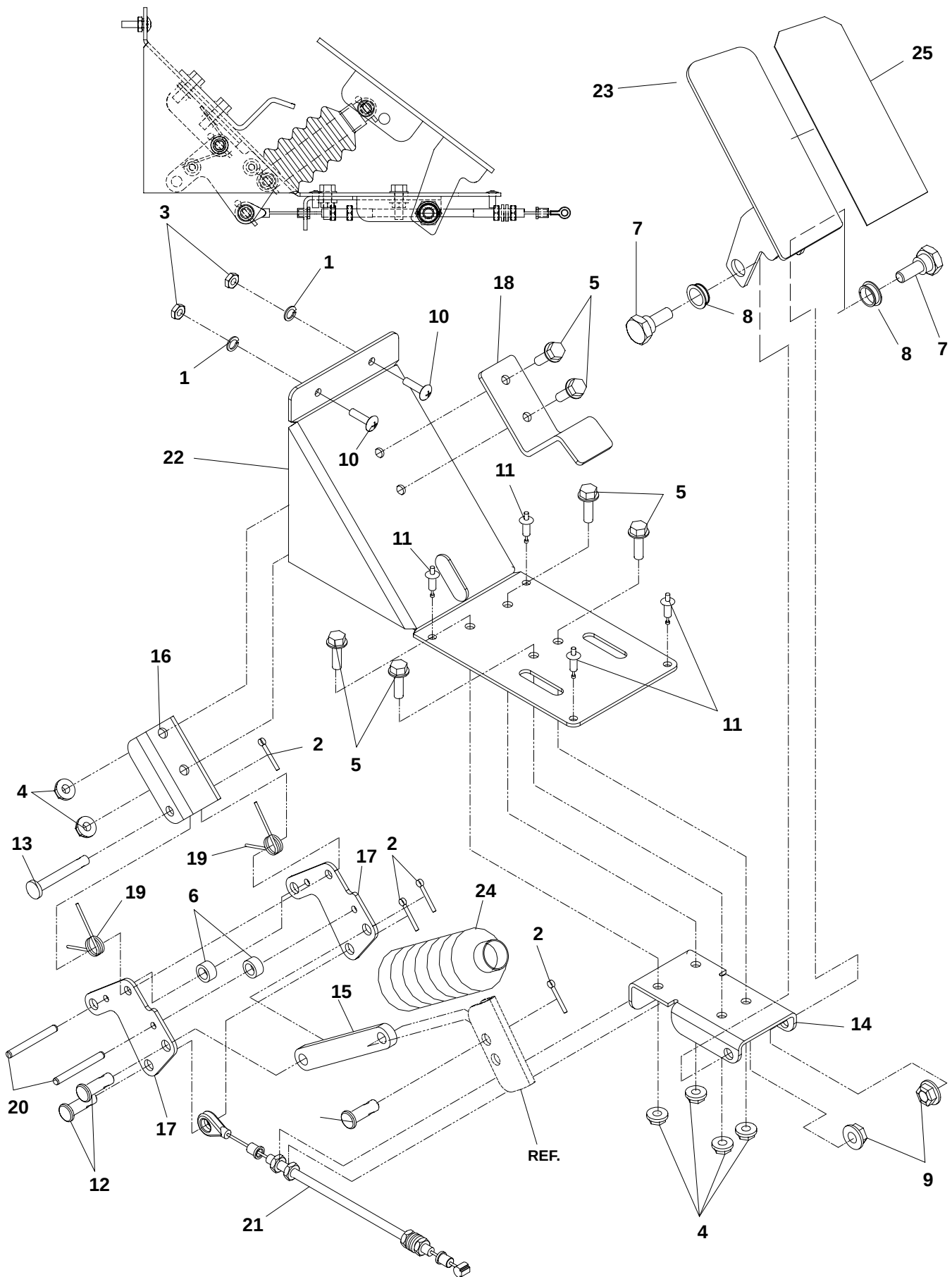


STEERING GEAR, STEERING WHEEL & HORN 6.27

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, jam, 7/8–14	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, 11/16"	1	
11	809255	Cover, dust shield	1	
12	816446	Washer, 7/16"	2	
13	816447	Ring, retaining	1	
14	816449	Washer, knurled, 3/8"	2	
15	816455	Ring, retaining	1	
16	816456	Bearing, ball	1	
17	816652	Nut, steering wheel	1	
18	816653	Plate, horn button contact	1	
19	816654	Button, horn	1	
20	816659	Key, 5/32" x 5/32" x 1 1/4"	1	
21	816660	Shaft, pinion gear	1	
22	816674	Support, steering housing, front	1	
23	816675	Support, steering housing, rear	1	
24	825672	Nut, special, 1/2–20	1	
25	830167	Gear, steering, driven	1	
26	830168	Gear, steering, idler cluster	1	
27	832555	Housing, upper, steering gear	1	
28	883317	Bolt, idler adjusting	1	
29	800612	•Nut, crownlock, 7/16–20	2	
30	884750	Wire and spring set	1	
31	826491	•Spring	1	
32	880365	•Wire and connector	1	
33	886883	Housing, lower steering gear	1	
34	830369	•Bushing	1	
35	830370	•Bushing	1	
36	892807	Wheel, steering	1	

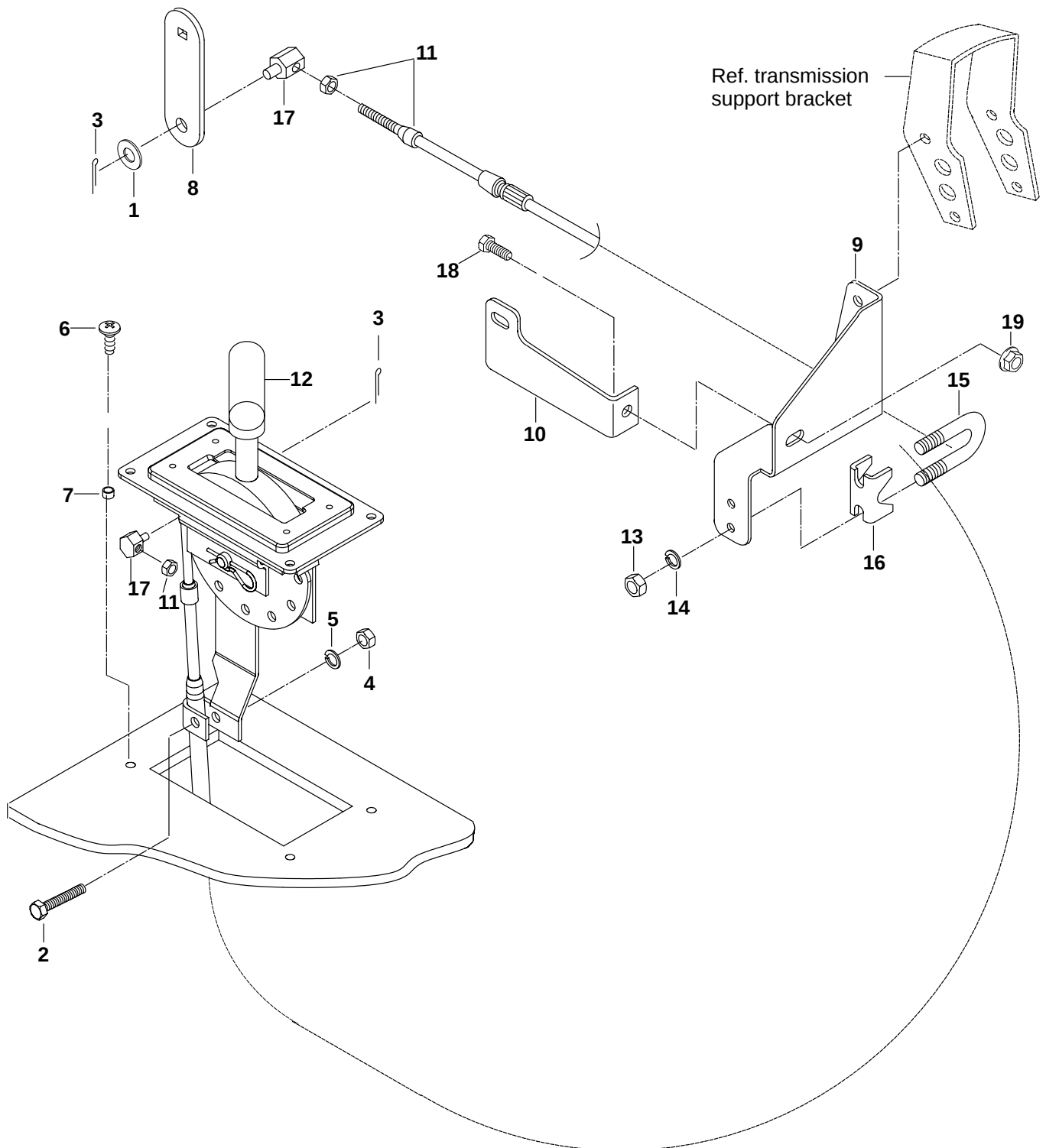
- INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

6.28 THROTTLE PEDAL



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	2	
2	306328	Pin, cotter, 3/32 x 3/4	4	
3	306531	Nut, #10-24	2	
4	450452	Nut, M6-1.00	6	
5	452378	Bolt, M6-1.00 x 20	6	
6	515268	Bushing	2	
7	524633	Screw, 5/16-18 x 1	2	
8	524643	Bearing, split	2	
9	548911	Nut, 5/16-18	2	
10	800296	Screw, #10-24 x 3/4	2	
11	800475	Rivet, 13/64 x 3/8	4	
12	806714	Pin, clevis, 5/16 x 15/16	3	
13	830784	Pin, clevis, 1/4 x 1 7/8	1	
14	843360	Channel, mount	1	
15	843561	Link, throttle	1	
16	843562	Mount, channel	1	
17	843563	Plate, pivot	2	
18	2701115.7	Bracket, stop	1	
19	844223	Spring, torsion	2	
20	844224	Pin, roll, 3/16 x 1 3/4	2	
21	2701480	Cable, throttle	1	
22	844890	Panel, floor access	1	
23	894159	Pedal	1	
24	831909	Boot	1	
25	2701326	Tread, pedal	1	

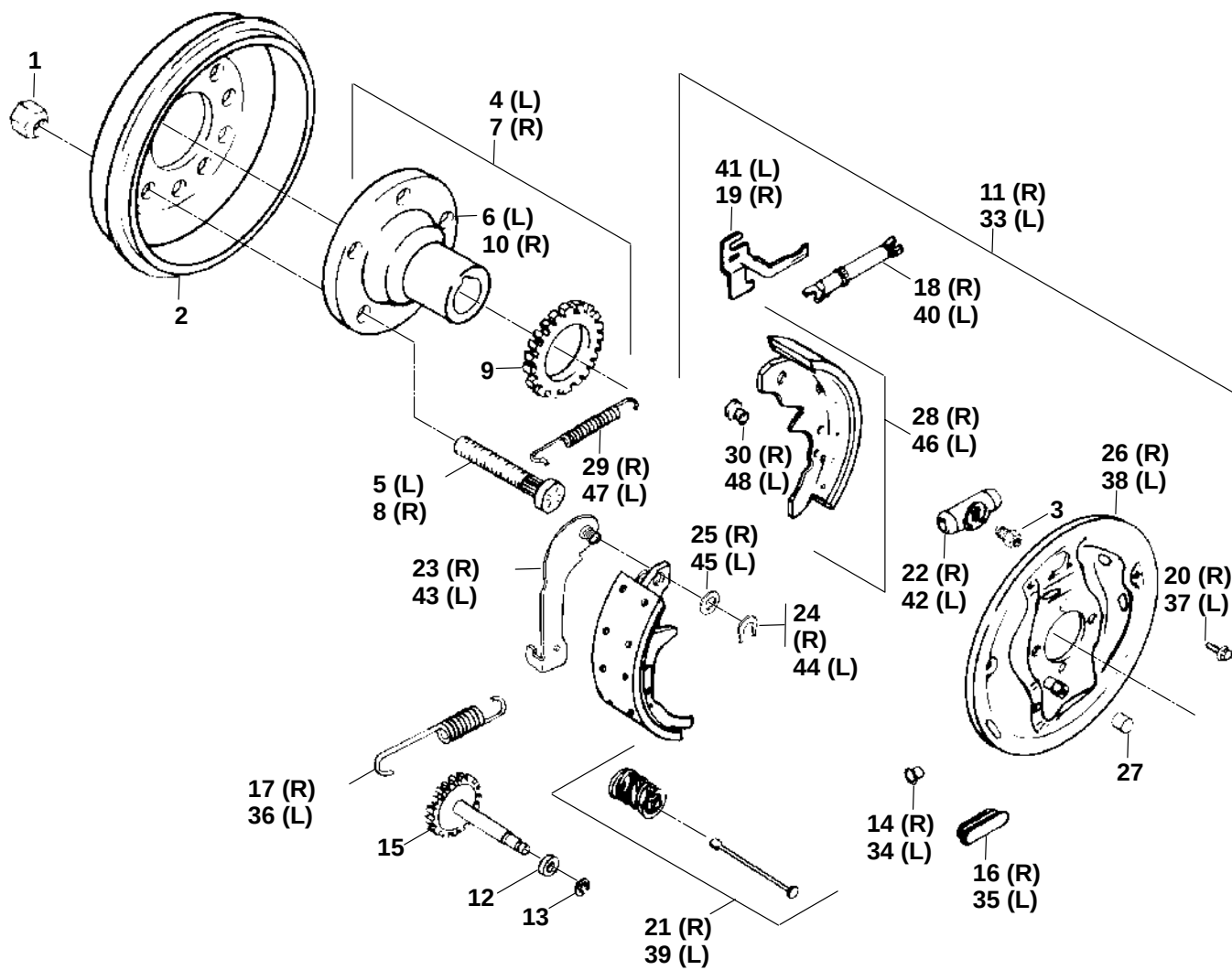
6.29 SHIFTER & SHIFT CABLE



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	1	
2	302288	Screw, 1/4-20 x 1"	1	
3	306372	Pin, cotter, 3/32" x 1/2"	2	
4	306375	Nut, 1/4-20	1	
5	306396	Lockwasher, 1/4"	1	
6	800146	Screw, tapping, #10-16 x 3/4"	4	
7	817019	Bushing	4	
8	842740	Lever, shifter	1	
9	842784	Bracket, shift cable	1	
10	842849	Arm, cable bracket	1	
11	842854	Cable, shifter	1	
12	843251	Shifter, complete	1	
13	306375	•Nut, 1/4-20	2	
14	306396	•Lockwasher, 1/4"	2	
15	◇	•U-bolt, cable clamp	1	Not offered separately.
16	◇	•Bracket, cable clamp	1	Not offered separately.
17	◇	•Pin, rod connecting	2	Not offered separately.
18	800710	Screw, 5/16-18 x 1"	1	
19	800697	Nut, crownlock, 5/16-18	1	

- INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

6.30 REAR BRAKES, HUB & WHEEL CYLINDER

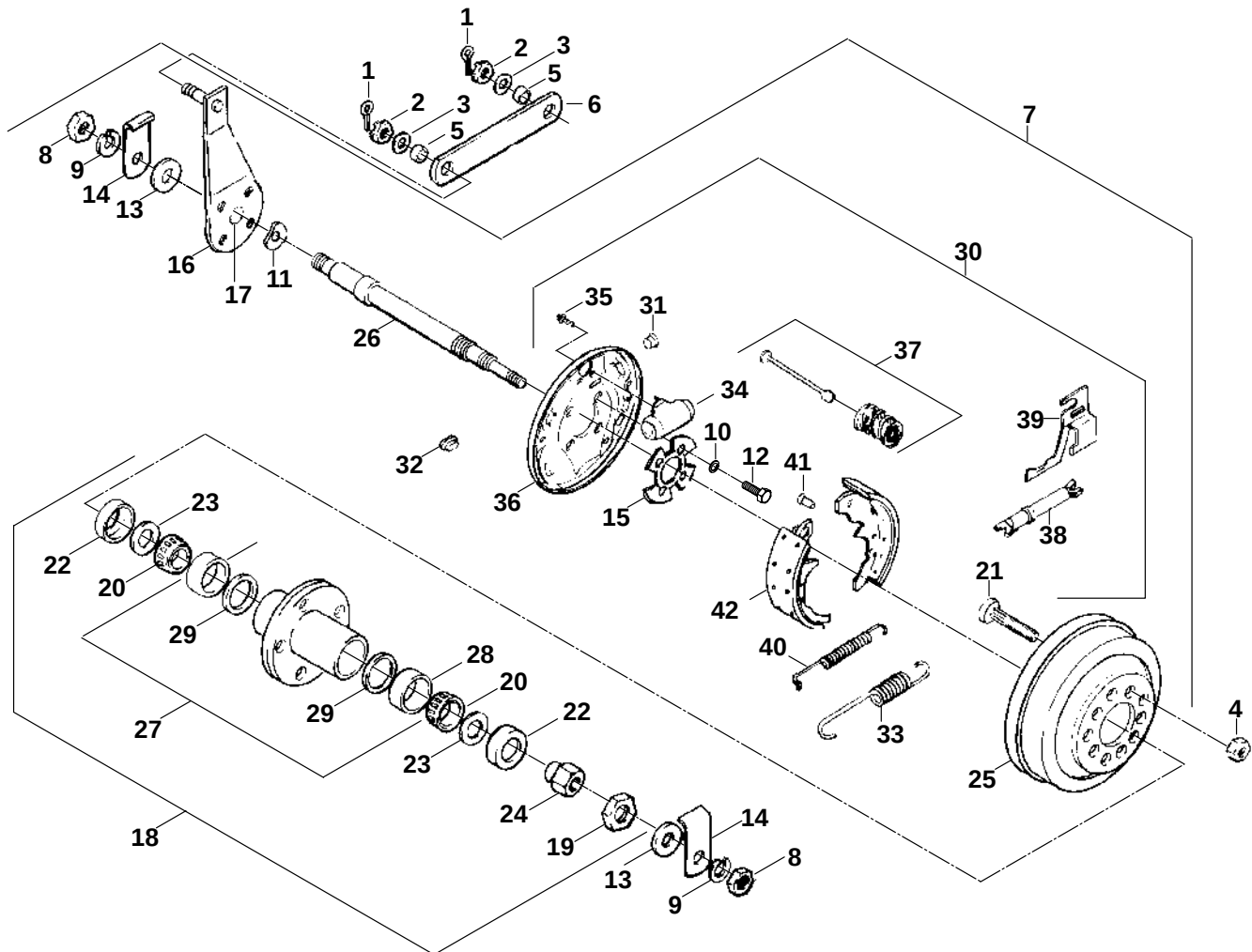


REAR BRAKES, HUB & WHEEL CYLINDER 6.30

Ref. No.	Part No.	Description	No. Req'd	Notes
1	800573	Nut, wheel retaining, 1/2–20	10	
2	833993	Drum, brake	2	
3	834161	Adapter, brake line	2	
4	888793	Hub, LEFT	1	
5	523474	•Screw, 1/2–20 x 1 13/16" grade 8	5	
6	833891	•Hub	1	
7	888861	Hub, RIGHT	1	
8	523474	•Screw, 1/2–20 x 1 13/16" grade 8	5	
9	833879	•Gear, speedometer drive	1	
10	833891	•Hub	1	
11	891811	Shoe w/dust shield, complete, RIGHT	1	
12	809018	•Bushing, speedometer	1	
13	809257	•Ring, retainer	1	
14	811650	•Plug, hole	1	
15	821153	•Gear, speedometer, 34 tooth	1	
16	824833	•Cover, adjustment hole	2	
17	833850	•Spring, retainer	1	
18	843025	••Kit, brake lever and adjuster	1	
19	◇	•Lever, brake, RIGHT	1	Not offered separately.
20	833911	•Bolt, M6	2	
21	833916	•Retainer, shoe	2	
22	892471	•Cylinder, wheel, 13/16" (21mm)	1	
23	838403	•Lever, park brake, RIGHT	1	
24	838404	•Retainer, park brake lever pin	1	
25	838405	•Washer, spring	1	
26	888777	•Dust, shield, RIGHT	1	
27	824925	••Cap	1	
28	889350	•Brake kit, two brake shoes	1	
29	833918	••Spring, retainer	1	
30	834723	••Pin, brake	1	
31	838355	*••Guide, brake spring	1	
32	◇	••Shoe, brake	2	Not offered separately.
33	891812	Shoe w/dust shield, complete, LEFT	1	
34	811650	•Plug, hole	1	
35	824833	•Cover, adjustment hole	2	
36	833850	•Spring, retainer	2	
37	833911	•Bolt, M6	2	
38	833912	•Dust shield, LEFT	1	
39	833916	•Retainer, shoe	2	
40	843026	•Kit, brake lever and adjuster	1	
41	◇	••Lever, brake, LEFT	1	Not offered separately.
42	892471	•Cylinder, wheel, 13/16" (21mm)	1	
43	838402	•Lever, park brake, LEFT	1	
44	838404	•Retainer, park brake lever pin	1	
45	838405	•Washer, spring	1	
46	889350	•Brake kit, two brake shoes	1	
47	833918	••Spring, retainer	1	
48	834723	••Pin, brake	1	
49	838355	*••Guide, spring	1	
50	◇	••Shoe, brake	2	Not offered separately.
	889930	Kit, wheel cylinder	As Req'd	Not Illustrated.
	884823	Cable, speedometer	1	Not Illustrated.

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

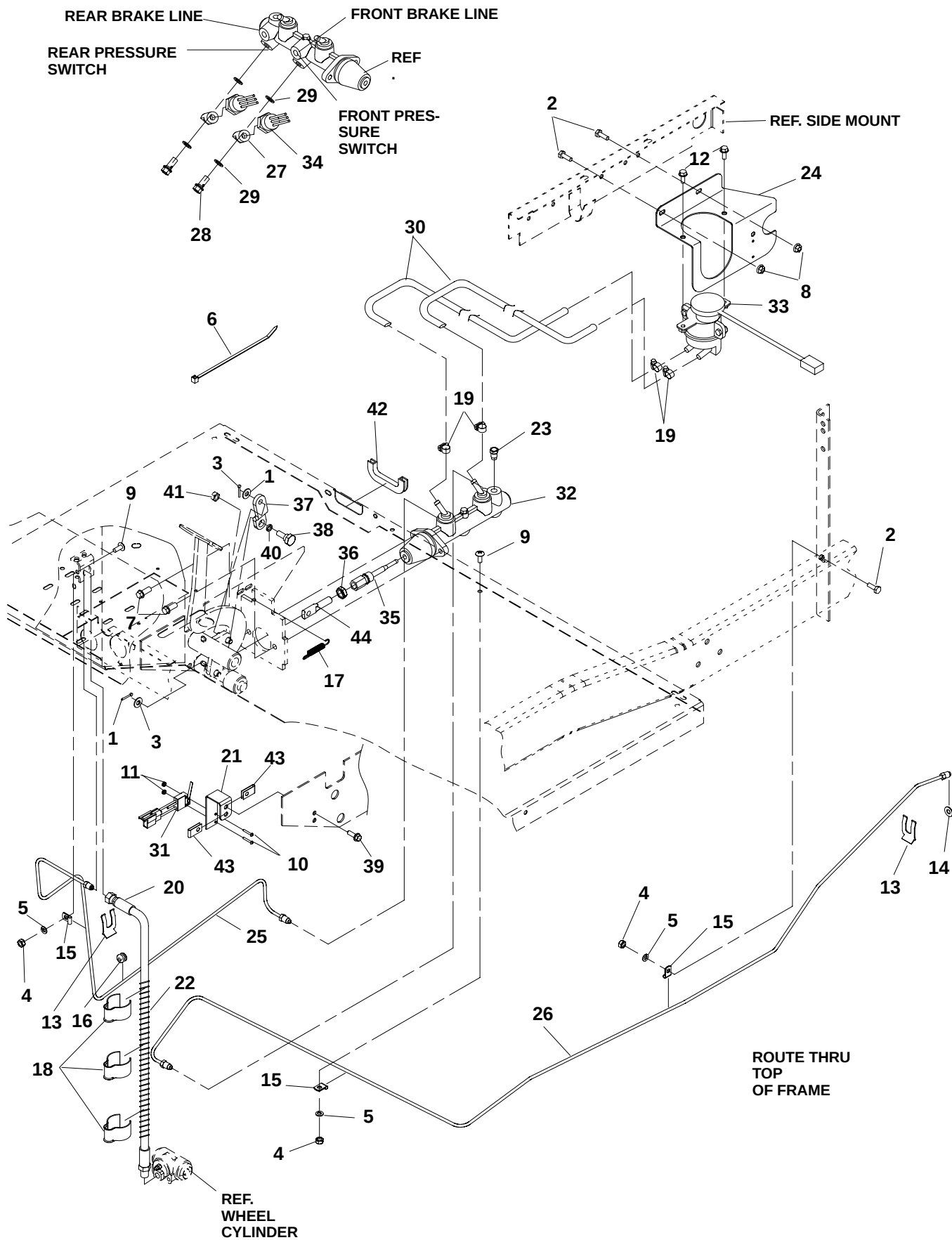
6.31 FRONT BRAKES, HUB & AXLE



Ref. No.	Part No.	Description	No. Req'd	Notes
1	306328	Pin, cotter, 3/32" x 3/4"	2	
2	306825	Nut, castle, 7/16–20	2	
3	306982	Washer, 7/16	2	
4	800573	Nut, wheel retaining, 1/2–20	5	
5	825404	Bushing	2	
6	825405	Link, brake anchor	1	
7	891068	Hub, axle, shield and drum	1	
8	304104	•Nut, jam, 5/8–18	2	
9	306494	•Lockwasher, 5/8	2	
10	548183	•Lockwasher, 5/16	4	
11	800422	•Washer, spring	1	
12	800600	•Screw, 5/16–18 x 5/8, grade 8	4	
13	836674	•Washer, thrust, 9/16	2	
14	813717	•Lockwasher	2	
15	835072	•Plate, lock	1	
16	2702863	•Arm, brake	1	
17	824060	•Bushing	1	
18	888610	•Hub and drum	1	
19	307665	••Nut, jam, 3/4–16	1	
20	385174	••Cone, tapered roller bearing	2	
21	523474	••Screw, grade 8, 1/2–20 x 1 13/16	5	
22	807630	••Seal	2	
23	809229	••Slinger, oil	2	
24	831199	••Nut, bearing adjusting	1	
25	833993	••Drum, brake	1	
26	884022	••Axle	1	
27	888524	••Hub	1	
28	808088	•••Cup, tapered roller bearing	2	
29	809268	•••Ring, bearing backing	2	
30	891046	•Cover & Shoe assembly	1	
31	811650	••Plug	1	
32	824833	••Cover, adjustment hole	2	
33	833850	••Spring, retainer	1	
34	891058	••Cylinder, wheel, 1" (25 mm)	1	
35	833911	••Screw, M6	2	
36	833912	••Dust shield	1	
37	833916	••Retainer, shoe	2	
38	843026	••Kit, brake lever and adjuster	1	
39	◇	•••Lever, brake	1	Not Offered Separately.
40	833918	•••Spring, retainer	1	
41	834723	•••Pin, brake	1	
	838355	•••Guide, brake spring	1	Not illustrated.
42	894899	•••Shoe set (1 pair w/pin)	1	

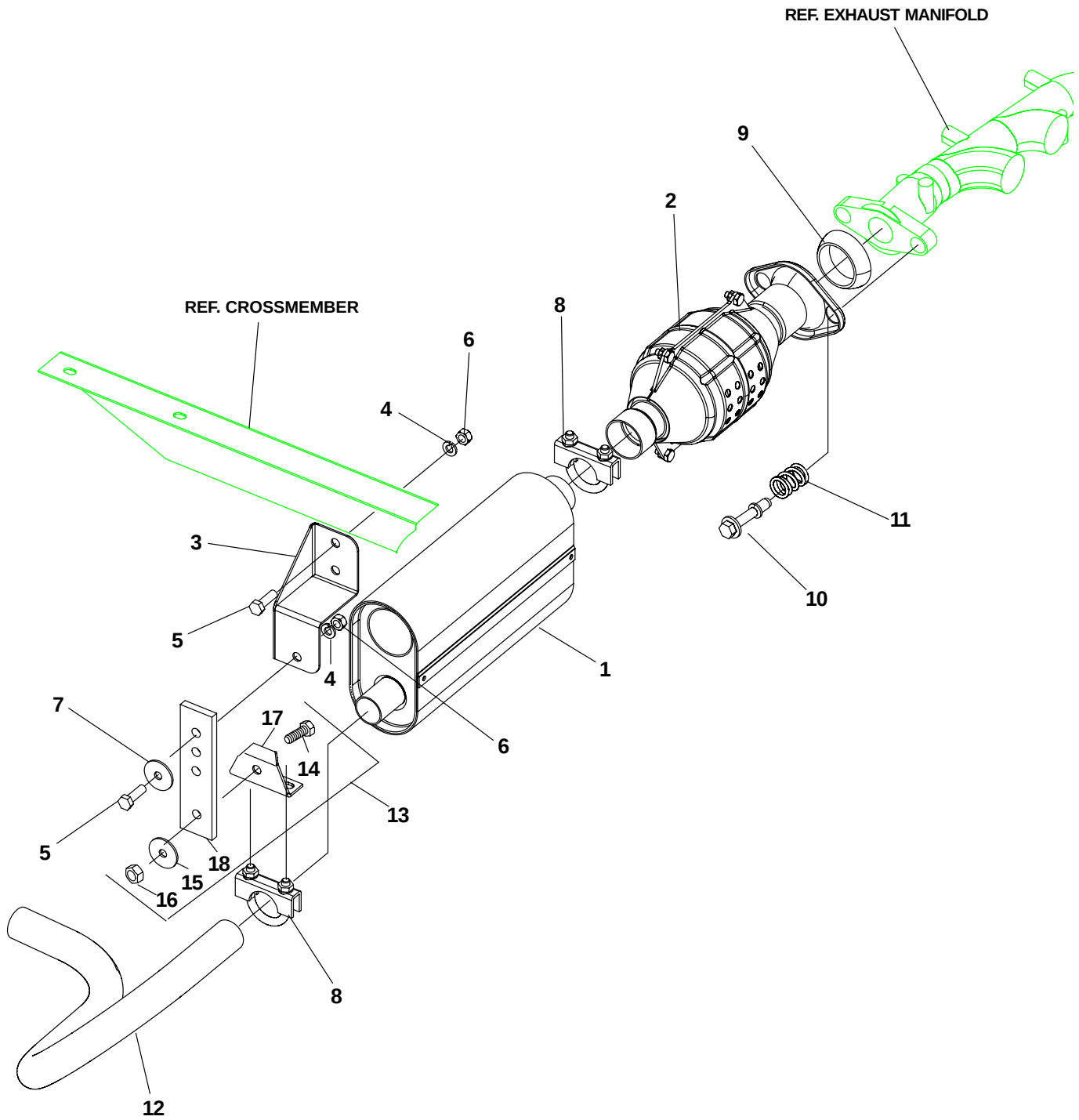
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

6.32 HYDRAULIC BRAKE SYSTEM



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	2	
2	300646	Screw, 1/4-20 x 3/4	3	
3	306328	Pin, cotter, 3/32 x 3/4	2	
4	306375	Nut, 1/4-20	3	
5	306396	Lockwasher, 1/4	3	
6	320107	Tie, cable, 7.5" (191 mm)	1	
7	800548	Screw, M8-1.25 x 20	2	
8	548910	Nut, 1/4-20	2	
9	800277	Screw, 1/4-20 x 5/8	2	
10	800439	Screw, #4-40 x 3/4	2	
11	800587	Nut, #4-40	2	
12	800934	Screw, M6-1.00 x 16	2	
13	809137	Clip	2	
14	809196	Washer, 5/8	1	
15	812445	Clamp	3	
16	817307	Grommet	1	
17	842598	Spring, extension	1	
18	825477	Clip	3	
19	830930	Clamp, hose	4	
20	834888	Hose, hydraulic brake	1	
21	2701509.7	Bracket, brake switch mount	1	
22	842140	Protector, brake hose	2	
23	843858	Plug, M10	1	
24	844167	Bracket, reservoir mount	1	
25	845066	Tube, front brake	1	
26	845067	Tube, rear brake	1	
27	845079	Fitting	2	
28	845080	Bolt, inlet M10	2	
29	845081	Gasket, copper	4	
30	845380	Hose, 5/16, 6' (1.8 M)	As Required	
31	892766	Switch, brake	1	
32	895113	Cylinder, brake master	1	
33	894456	Reservoir, brake fluid	1	
34	894847	Switch, pressure	2	
35	823752	Rod	1	
36	2702100	Nut, 7/16-20, jam	1	
37	2701508	Link, connector	1	
38	524633	Screw, 5/16-18 x 1, shoulder	1	
39	548045	Screw, 1/4-20 x 3/4	2	
40	548183	Lockwasher, 5/16	1	
41	548911	Nut, 5/16-18	1	
42	821893	Trim, push on, 12' (3.7 M)	As Req'd	
43	800279	Nut, 1/4-20	2	
44	2702082	Rod, control	1	

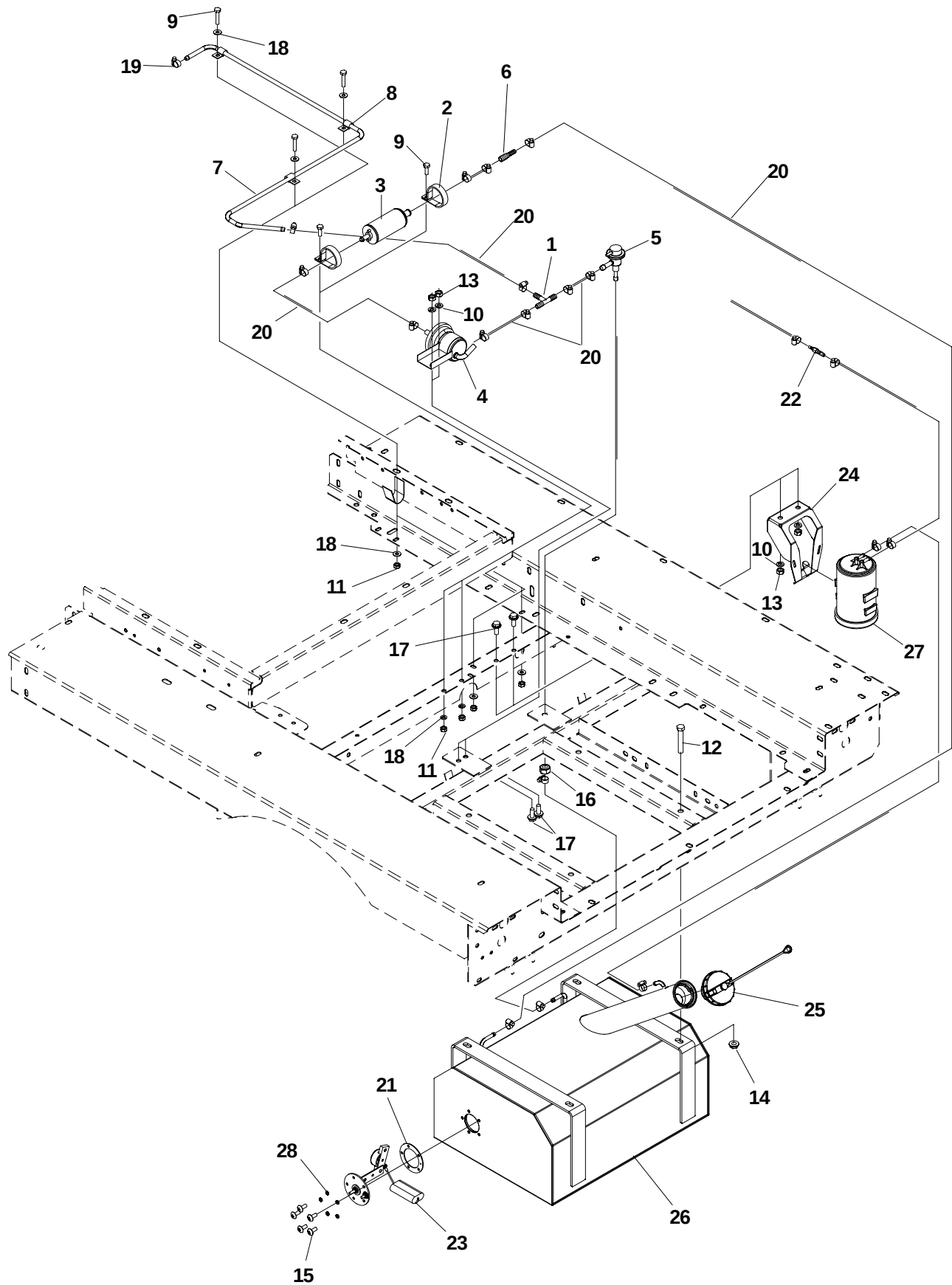
6.33 EXHAUST SYSTEM



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701045.8	Muffler	1	
2	2701089	Converter, catalytic	1	
3	2702374.7	Bracket, muffler hanger	1	
4	306325	Lockwasher, 5/16	3	
5	306416	Screw, 5/16–18 x 1	3	
6	306932	Nut, 5/16–18	3	
7	548159	Washer, 5/16	1	
8	841982	Clamp, tubing	2	
9	14183–82050	Seal ring, muffler flange	1	
10	09119–10039	Bolt, muffler flange	2	
11	14492–82001	Spring, muffler flange	2	
12	842884	Tailpipe	1	
13	887175	Hanger assembly, muffler	1	
14	306322	•Screw, 5/16–18 x 7/8	1	
15	548159	•Washer, 5/16	1	
16	800290	•Nut, 5/16	1	
17	831603	•Bracket	1	
18	831604	•Strap, tailpipe hanger	1	

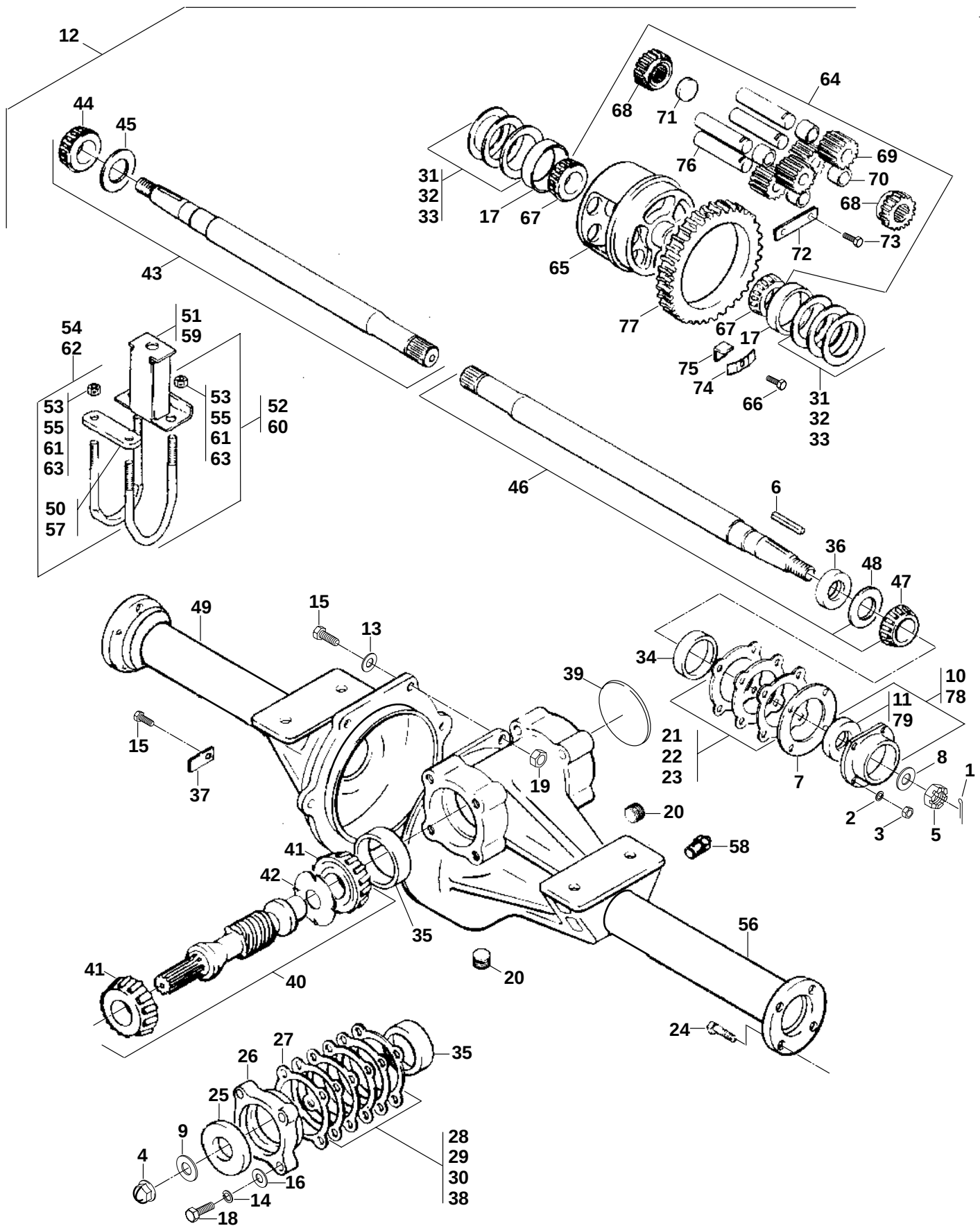
- INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

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Ref. No.	Part No.	Description	No. Req'd	Notes
1	2700161	Connector, tee 5/16"	1	Not illustrated.
2	2700166	Clamp, fuel pump	2	
3	2701897	Pump, fuel	1	
4	2701898	Filter, fuel	1	
5	2701899	Regulator	1	
6	2700178	Connector, union	1	
7	2702303	Tube, fuel	1	
8	2702388	Half clamp	3	
9	300646	Screw, 1/4–20 x 3/4	5	
10	306325	Lockwasher, 5/16	4	
11	306375	Nut, 1/4–20	5	
12	306836	Screw, 3/8–16 x 2 1/4	4	
13	306932	Nut, 5/16–18	4	
	320107	Tie, cable, 7 1/2" (191 mm)	5	
14	548804	Nut, 3/8–16	4	
15	548900	Screw, #10–24 x 1/2	5	
16	800875	Nut, 12–1.25	1	
17	800974	Screw, #10 x 1, tapping	4	
18	816307	Washer, 9/32	8	
19	825624	Clamp, hose	20	
20	826590	Hose, fuel, 25' (7.6 M)	As Req'd.	
21	829954	Gasket	1	
22	834036	Connector, hose	1	
23	834582	Sender, fuel level	1	
24	844637.7	Bracket, canister	1	
25	844641	Cap, fuel	1	
26	844654.7	Tank, fuel	1	
27	844670	Canister, carbon	1	
28	844748	O-ring	5	

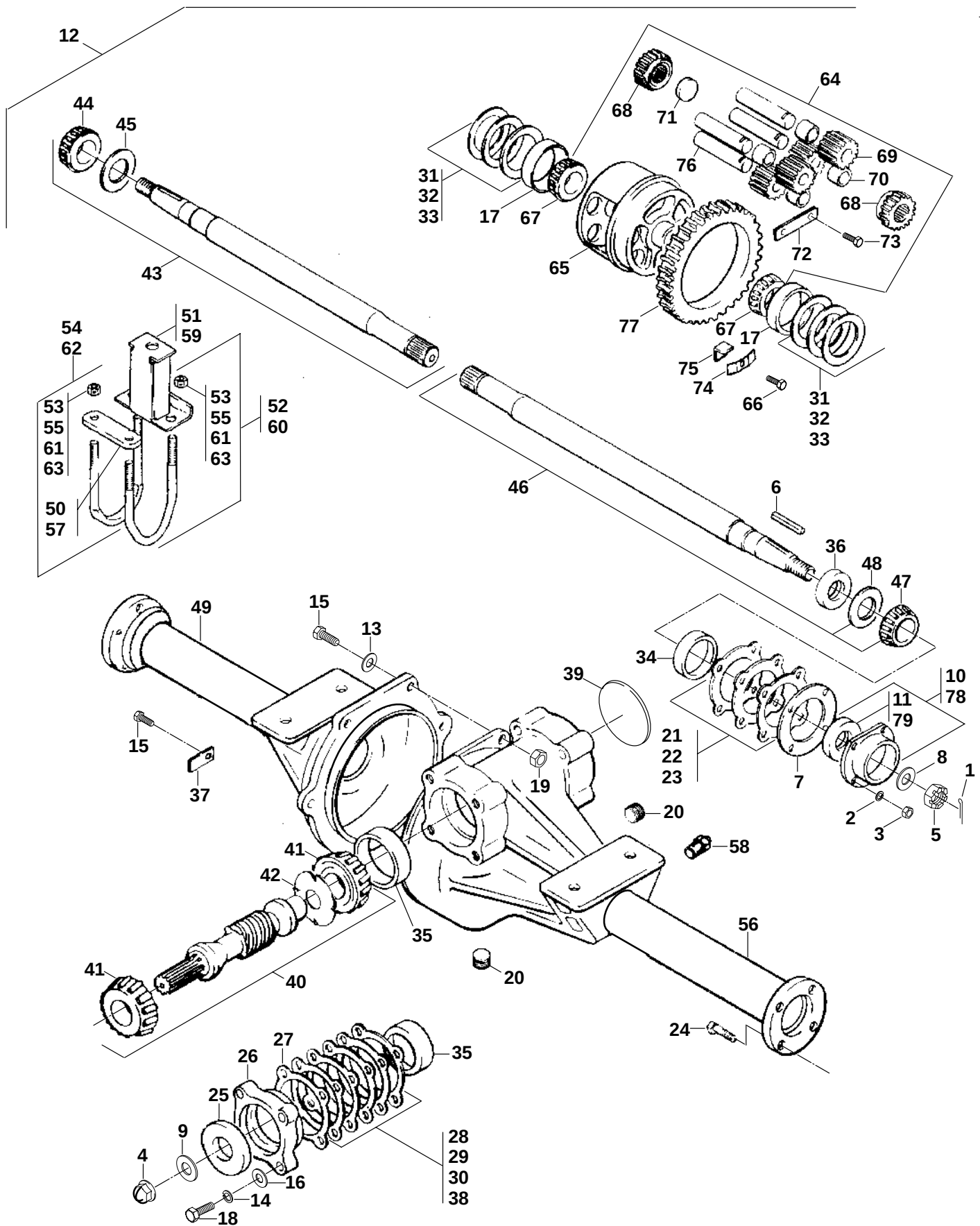
6.35 DIFFERENTIAL



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, lock, 1/2-20	1	
5	805843	Nut, castle, 5/8-18	2	
6	805875	Key, hub, 3/16" x 3/16" x 1 3/4"	2	
7	808303	Gasket, bearing	2	
8	809156	Washer, thrust, 5/8"	2	
9	809180	Washer, 7/16"	1	
10	879476	Retainer, seal	2	
11	814488	Seal, bearing	1	
12	2701466	Differential, complete (8.2:1 ratio)	1	
13	103867	•Washer, 5/16"	5	
14	120177	•Lockwasher, 3/8"	4	
15	304055	•Screw, 5/16-18 x 1 3/8"	6	
16	306405	•Washer, 3/8"	4	
17	320122	•Cup, tapered roller bearing	2	
18	2702248	•Screw, 3/8-16 x 1 3/4"	4	
19	800290	•Nut, lock, 5/16-18	6	
20	800356	•Plug, 1/2-14	2	
21	805320	•Shim, .005	As Req'd	
22	805321	•Shim, .010	As Req'd	
23	805322	•Shim, .030	As Req'd	
24	806251	•Screw, 5/16-18 x 15/16"	8	
25	812335	•Seal, oil	1	
26	814226	•Housing, bearing	1	
27	814465	•Gasket	2	
28	814466	•Shim, .005	As Req'd	
29	814467	•Shim, .010	As Req'd	
30	814468	•Shim, .030	As Req'd	
31	814469	•Shim, .003	As Req'd	
32	814470	•Shim, .005	As Req'd	
33	814471	•Shim, .010	As Req'd	
34	814474	•Cup, roller bearing	2	
35	814476	•Cup, roller bearing	2	
36	814477	•Seal, rear axle	2	
37	816045	•Tag, ratio (8.2:1)	1	
38	816515	•Shim, .003	As Req'd	
39	818226	•Plug, expansion, 2 1/2" (6 cm)	1	
40	879748	•Worm w/bearings and slinger (8.2:1 ratio)	1	

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

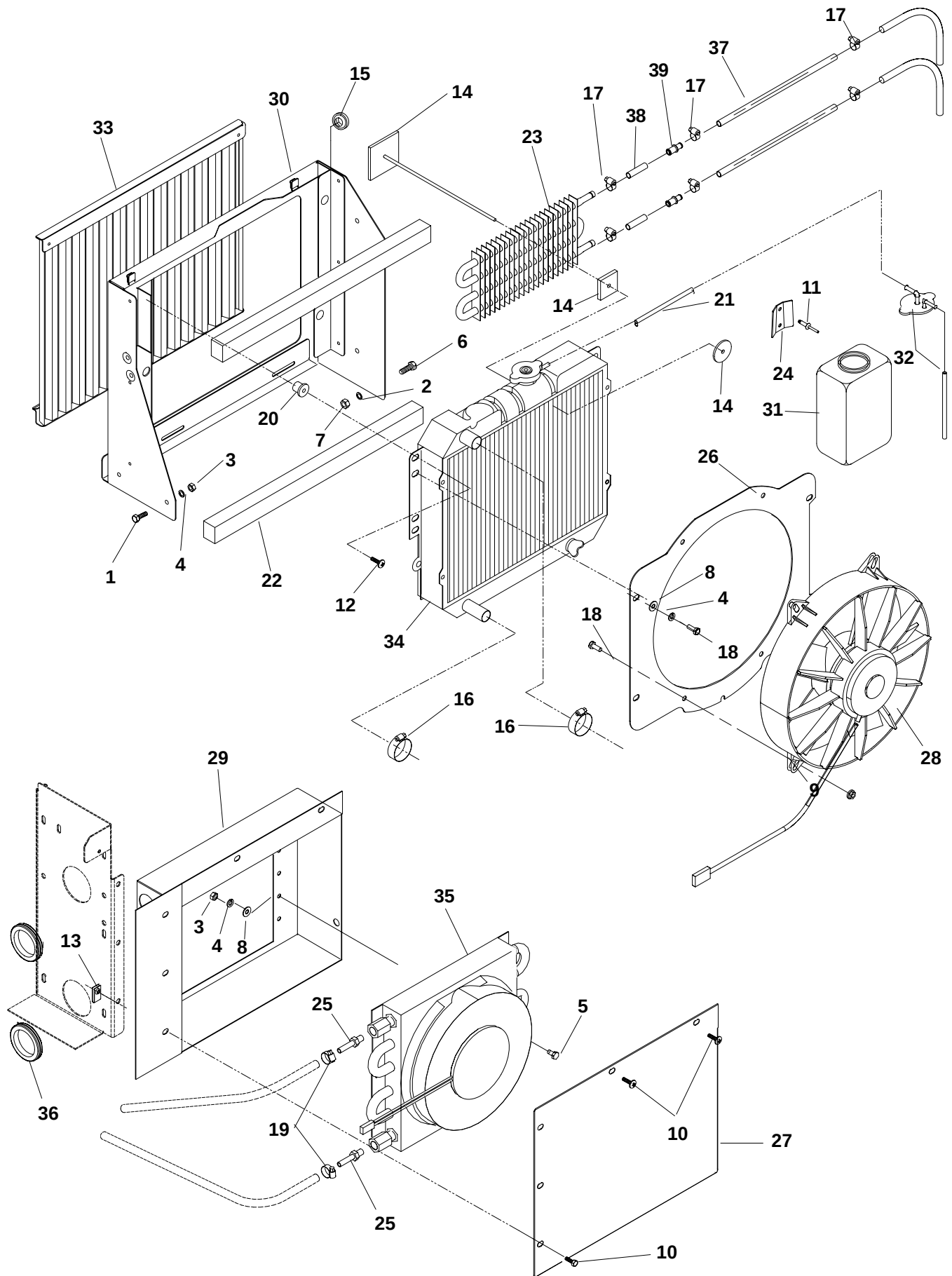
6.35 DIFFERENTIAL



Ref. No.	Part No.	Description	No. Req'd	Notes
41	814475	••Cone, tapered roller bearing	2	
42	886706	••Slinger set, oil	1	
43	885033	•Axe, RIGHT, w/bearings, 20 1/32" (51 cm) .	1	
44	815403	••Cone, tapered roller bearing	1	
45	827018	••Ring, backing	1	
46	885034	•Axe, LEFT, w/bearings, 23 1/4" (59cm) . . .	1	
47	815403	••Cone, tapered roller bearing	1	
48	827018	••Ring, backing	1	
49	886204	•Housing, axle, RIGHT	1	
50	812218	••Plate	1	
51	834979	••Plate, upstop	1	
52	887187	••U-bolt w/nuts, 2" (5 cm)	1	
53	548061	••Nut, lock, 7/16-20	2	
54	887188	••U-bolt w/nuts, 2 1/2" (6 cm)	1	
55	548061	••Nut, lock, 7/16-20	2	
56	886205	•Housing, axle, LEFT	1	
57	812218	••Plate	1	
58	827486	••Valve, breather	1	
59	834979	••Plate, upstop	1	
60	887187	••U-bolt w/nuts, 2" (5 cm)	1	
61	548061	••Nut, lock, 7/16-20	2	
62	887188	••U-bolt w/nuts, 2 1/2" (6 cm)	1	
63	548061	••Nut, lock, 7/16-20	2	
64	886999	•Gear, carrier (8.2:1 ratio)	1	
65	◇	••Housing, carrier	1	
66	306555	••Screw, 5/16-18 x 5/8"	2	
67	386767	••Cone, tapered roller bearing	2	
68	814481	••Gear, axle shaft	2	
69	814482	••Gear, differential planet	4	
70	814483	••Spacer	4	
71	814484	••Spacer	1	
72	815794	••Plate, locking	3	
73	816812	••Screw, 3/8-16 x 1 1/4"	6	
74	816823	••Plate, retainer	2	
75	816824	••Plate, locking	2	
76	816825	••Shaft, differential gear	4	
77	830557	••Gear, worm (8.2:1 ratio)	1	
78	889065	•Retainer, seal	2	
79	834099	••Seal, bearing	1	

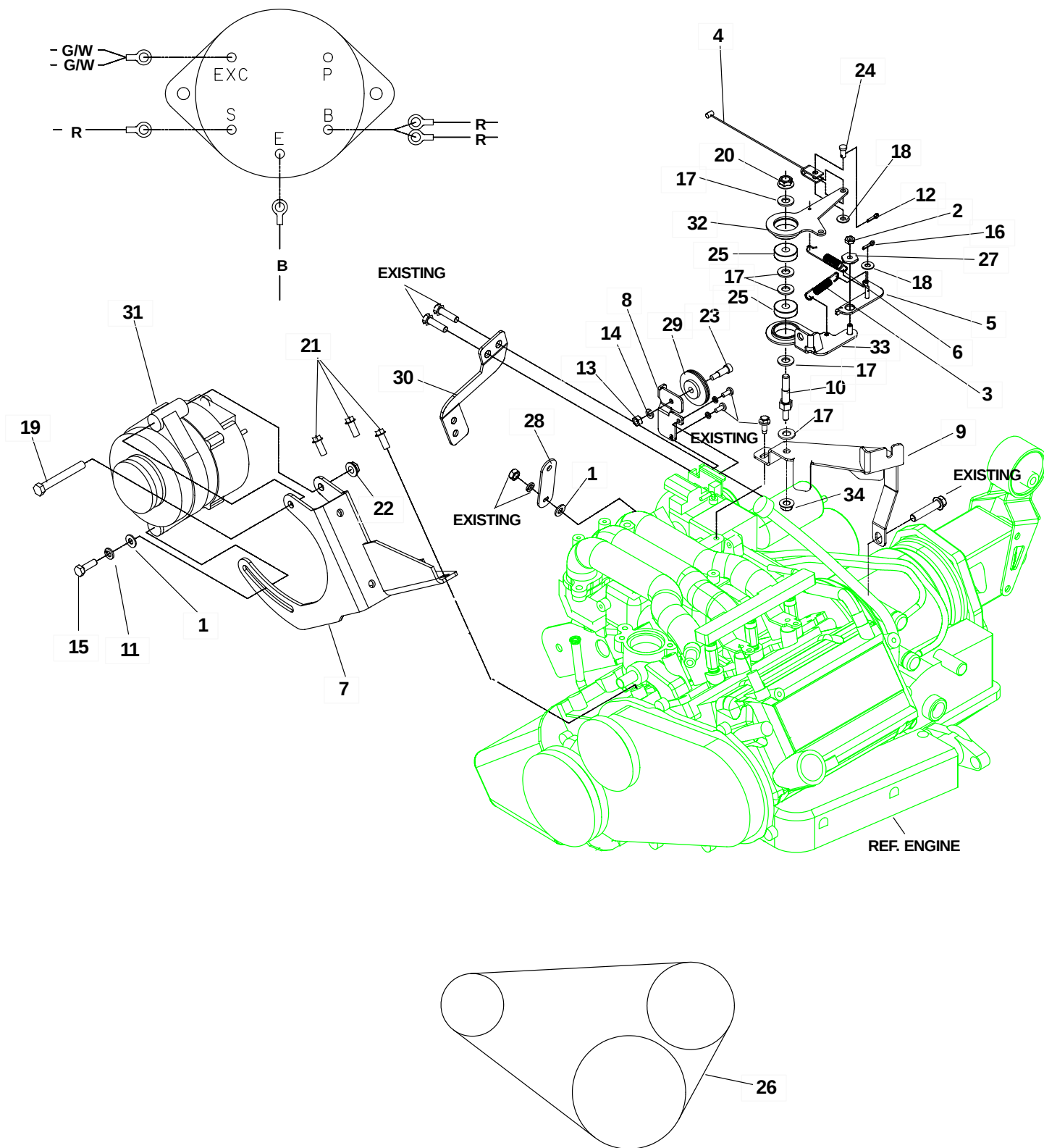
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

6.36 COOLING SYSTEM



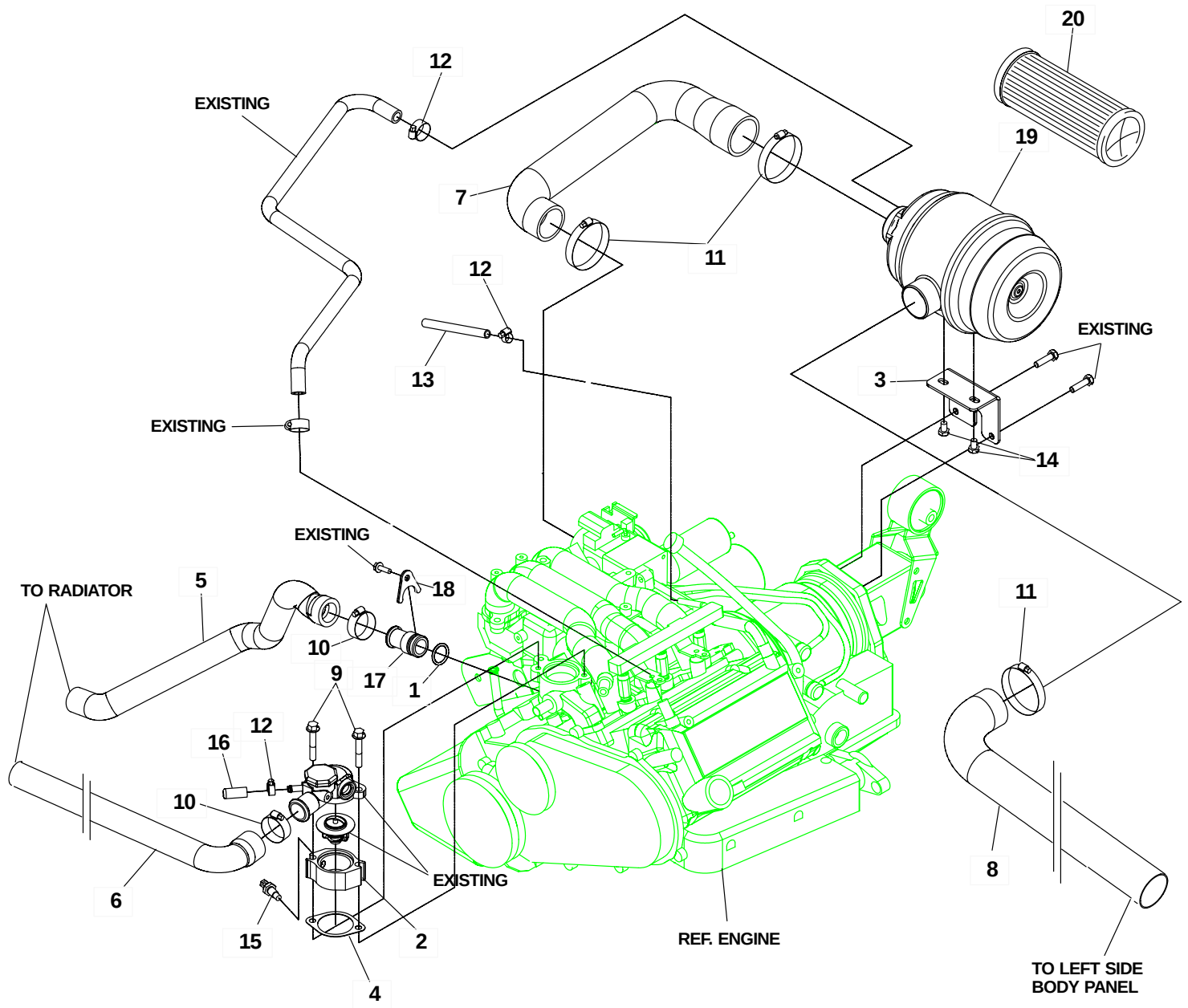
Ref. No.	Part No.	Description	No. Req'd	Notes
1	300646	Screw, 1/4-20 x 3/4	6	
2	306325	Lockwasher, 5/16	2	
3	306375	Nut, 1/4-20	5	
4	306396	Lockwasher, 1/4	9	
5	306419	Screw, 1/4-20 x 1/2	4	
6	306450	Screw, 5/16-18 x 3/4	2	
7	306932	Nut, 5/16-18	2	
8	308090	Washer, 1/4	9	
9	450452	Nut, M6-1.00	4	
10	800582	Screw, 1/4-20 x 3/4	5	
11	800390	Rivet, 1/8" x 25/64"	2	
12	800177	Screw, 5/16-18 x 3/4	4	
13	800279	Nut, 1/4-20, speed	5	
14	800789	Kit, oil cooler mounting	1	
15	809231	Grommet	2	
16	820889	Clamp	2	
17	825624	Clamp	6	
18	828162	Screw, M6-1.0 x 16	8	
19	832033	Clamp	2	
20	831846	Nut, isolation	4	
21	835805	Hose, radiator overflow, 4' (1.2 M)	As Req'd.	
22	833512	Foam	2	
23	838340	Cooler, oil	1	
24	842782	Bracket, overflow bottle	1	
25	842944	Fitting, hose, 1/2" ID	2	
26	845072.7	Bracket, fan	1	
27	845073.7	Panel, left oil cooler cover	1	
28	845074	Fan	1	
29	845075.7	Bracket, oil cooler	1	
30	888497	Mount, radiator	1	
31	889050	Reservoir, coolant	1	
32	889051	Cap, coolant reservoir	1	
33	2700819.7	Screen	1	
34	894590	Radiator	1	
35	894901	Cooler, oil electric fan	1	
36	825779	Grommet	2	
37	2701043	Hose, hydraulic, 25' (7.6 M)	As Req'd.	
38	2701167	Hose	2	
39	2701166	Union	2	

6.37 ALTERNATOR & GOVERNOR



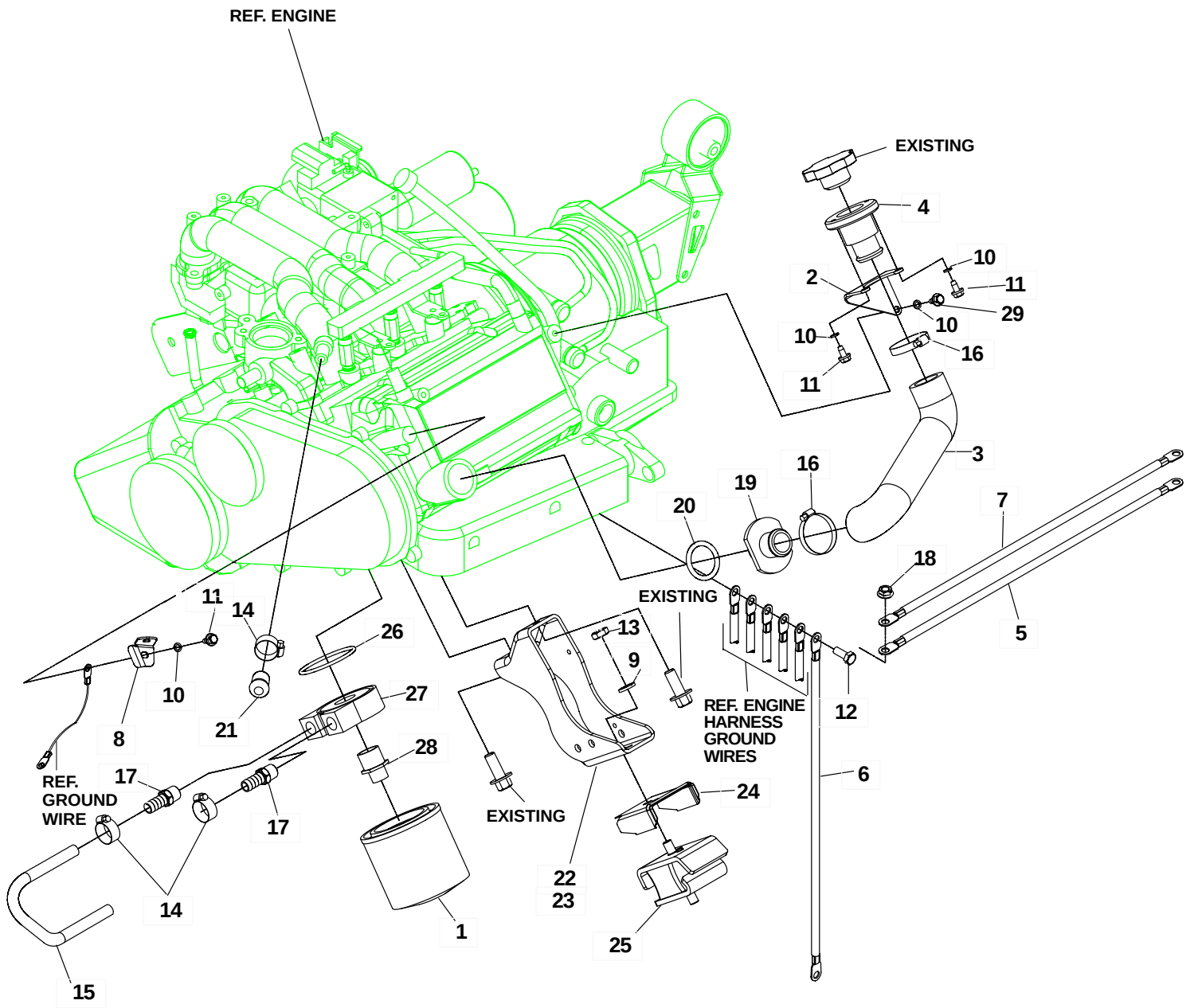
Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	2	
2	130728	Nut, 1/4-20	1	
3	2700335	Spring, governor	1	
4	2700503	Cable, carburetor	1	
5	2701129	Arm, throttle	1	
6	2701236	Spring, extension	1	
7	2701434.7	Bracket, alternator	1	
8	2701510	Bracket, pulley, throttle cable	1	
9	2701511	Bracket, throttle cable	1	
10	2701517	Post, throttle	1	
11	306325	Lockwasher, 5/16	1	
12	306372	Pin, cotter	1	
13	306375	Nut, 1/4-20	1	
14	306396	Lockwasher, 1/4	1	
15	306416	Screw, 5/16-18 x 1	1	
16	306463	Pin, cotter	1	
17	306981	Washer, 13/32	5	
18	308090	Washer, 1/4	2	
19	311213	Screw, 3/8-16 x 3	1	
20	450454	Nut, M10-1	1	
21	452388	Screw, M8-1.25 x 20	3	
22	548804	Nut, 3/8-16	1	
23	800927	Screw, 1/4-20 x 5/8	1	
24	818395	Pin, clevis 1/4 x 1/2	1	
25	830140	Bearing, ball	2	
26	835062	Belt, fan	1	
27	835271	Nut, 1/4-20	1	
28	842740	Lever, shifter	1	
29	843013	Pulley, governor	1	
30	845345.7	Bracket, shift cable mount	1	
31	893876	Alternator, 65 AMP	1	
32	894706	Arm, governor	1	
33	894708	Lever, throttle	1	
34	450453	Nut, M8, 1.25	1	

6.38 HOSES & AIR FILTER



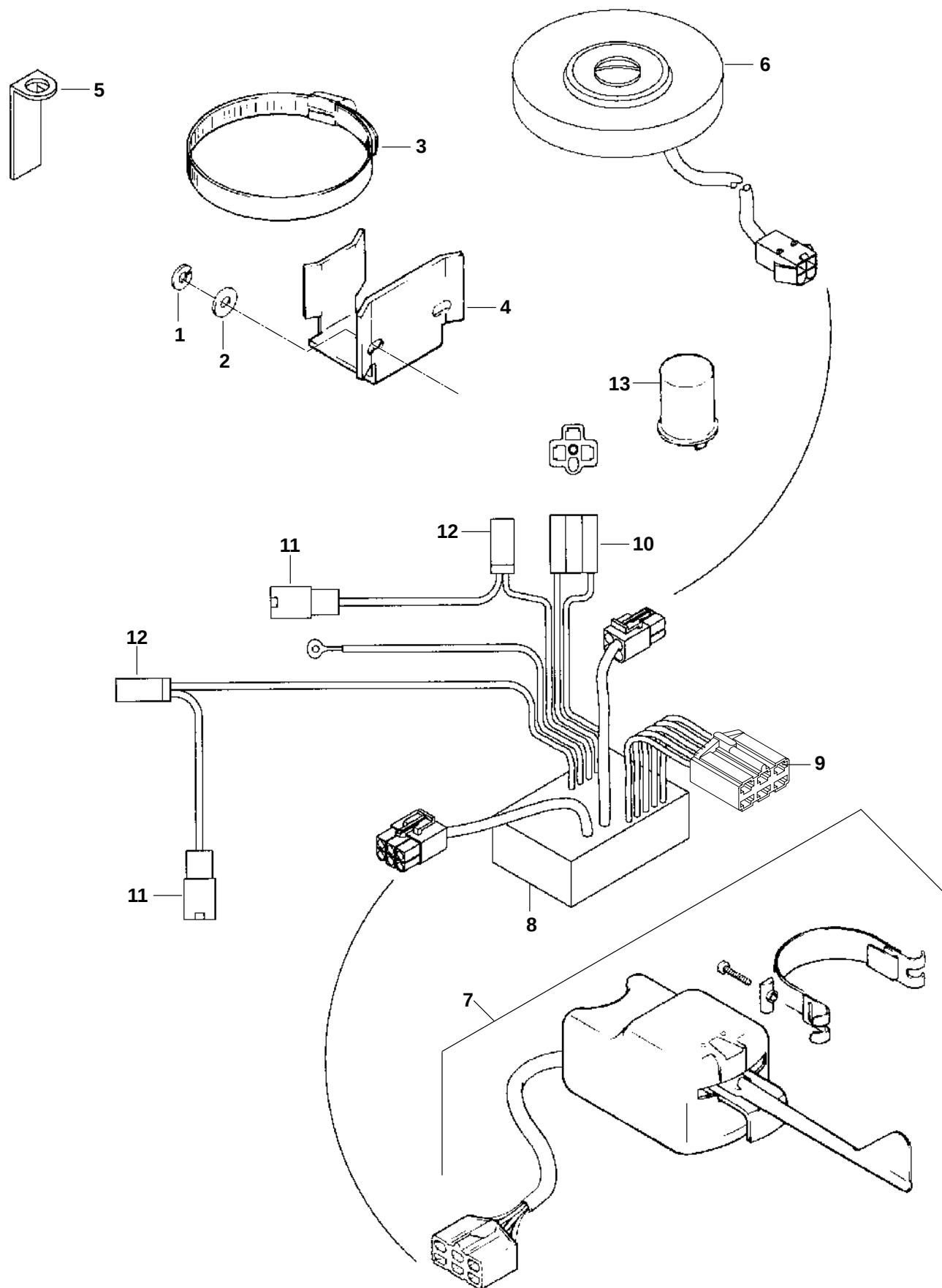
Ref. No.	Part No.	Description	No. Req'd	Notes
1	2700031	O-ring, 15/16" I.D., 1/8"	1	Not illustrated.
2	2701442	Housing, temperature sender	1	
3	2701512.7	Bracket, air cleaner	1	
4	2701513	Gasket, thermostat spacer	1	
5	2701516	Hose, radiator lower	1	
6	2701652	Hose, radiator upper	1	
7	2702037	Intake hose	1	
8	2702301	Hose, high temperature air	1	
9	452392	Bolt, M8-1.25 x 50	2	
10	820889	Clamp	2	
	823549	Tie, cable 15.5" (394 mm)	1	
11	825358	Clamp	3	
12	825624	Clamp	4	
13	826590	Hose, fuel, 25' (7.6 M)	As Req'd.	
14	843545	Bolt, air cleaner	2	
15	843857	Sender, water tempature	1	
16	845224	Cap	1	
17	845365	Tube, water inlet	1	
18	845409	Bracket, u-water inlet	1	
19	13701-53F20	Cleaner, air	1	
20	13780-79201	Element, air cleaner	1	

6.39 OIL FILL & FILTER



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701908	Filter, oil	1	Not illustrated.
2	2701514.7	Bracket, remote oil fill cap	1	
3	2701636	Hose, oil fil	1	
4	2701640	Adapter, oil cap	1	
	2701870	Harness, main	1	
5	894594	Wire, 4ga, red	1	
6	2702267	Wire, 4ga, black	1	
7	2702268	Wire, 6ga, red	1	
8	2702300.7	Bracket, clamp	1	
9	303269	Lockwasher, 7/16	1	
10	450410	Lockwasher, M6	4	
11	800425	Screw, M6–1.00 x 12	4	
12	800548	Screw, M8–1.25 x 20	1	
13	800571	Nut, 10–1.25	1	
14	825624	Clamp, hose	3	
15	830929	Hose	1	
16	836206	Clamp, hose	2	
17	842944	Fitting	2	
18	843058	Nut, starter motor	1	
19	843399	Adapter, valve cover	1	
20	843420	O–ring	1	
21	845224	Cap	1	
22	11640–53F20	Support, engine, RIGHT	1	
23	2703091	Bracket front mounting, LEFT	1	
24	2703090	Cover, front mounting	1	
25	11610–60C01	Mount, engine	2	
26	830920	O–ring	1	
27	830176	Plate	1	
28	830175	Connector	1	
29	828162	Screw, M6–1.0 x 16	1	

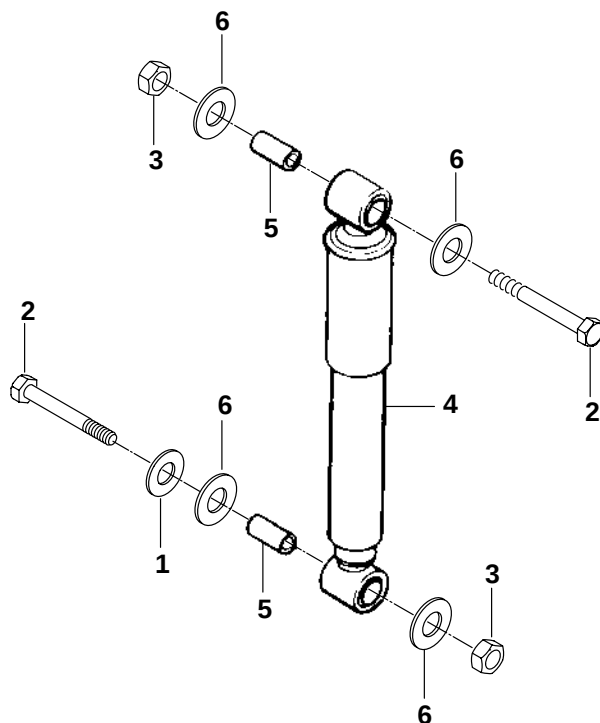
6.40 TURN SIGNAL SWITCH



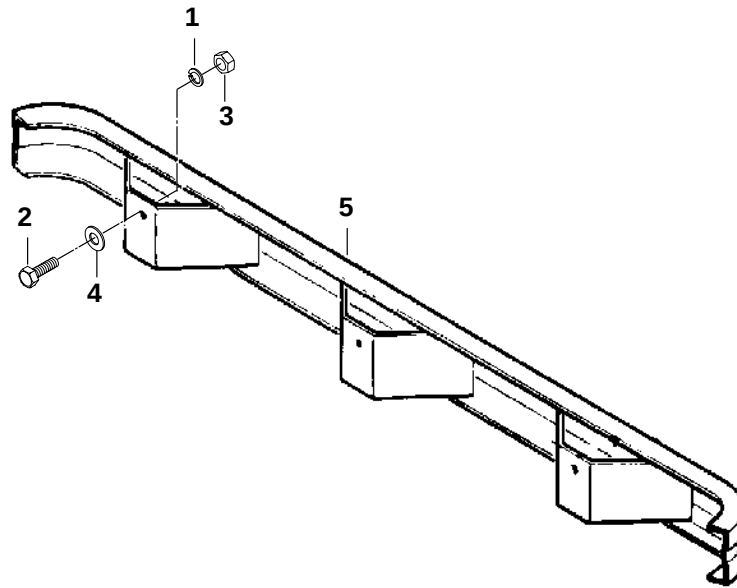
Ref. No.	Part No.	Description	No. Req'd	Notes
1	306310	Lockwasher, #8	2	
2	308089	Washer, #10	2	
3	819923	Collar, foam	3	
4	825358	Clamp, worm drive	2	
5	839197	Bracket, turn signal	1	
6	840187	Bracket, sensor indexing	1	
7	840565	Sensor, steering position	1	
8	840566	Switch, turn signal	1	
9	892528	Module, control	1	
10	825877	•Connector, female, 6–contact	1	
11	825894	•Connector, female, 3–contact	1	
12	826726	•Connector, male, 1–contact	1	
13	825880	•Connector, female, 1–contact	2	
14	825501	Flasher, turn signal	1	

- INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY.

6.41 FRONT SHOCK ABSORBER

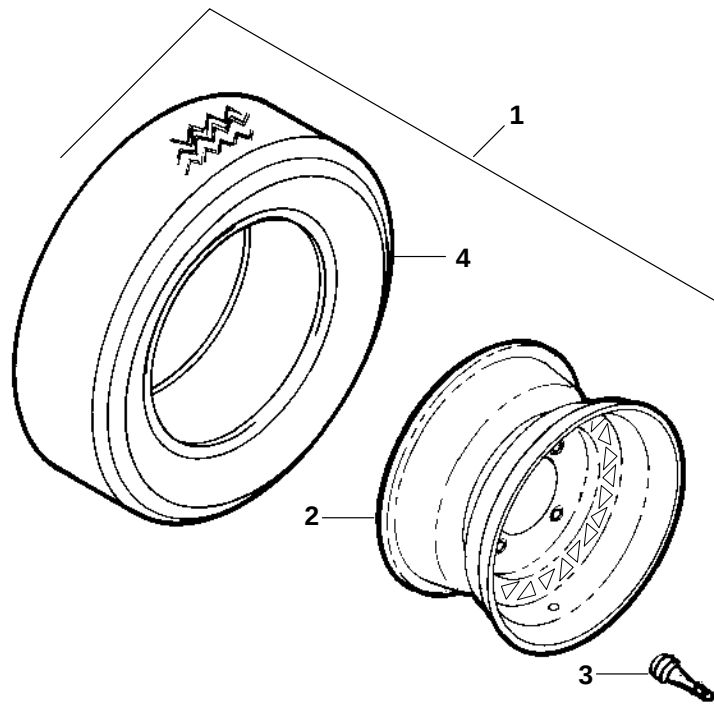


Ref. No.	Part No.	Description	No. Req'd	Notes
1	308091	Washer, 1/2"	1	
2	317444	Screw, 7/16-14 x 3 3/4	2	
3	800294	Nut, lock, 7/16-14	4	
4	807332	Absorber, shock	1	
5	823621	Bushing	4	
6	825500	Washer, cupped	8	



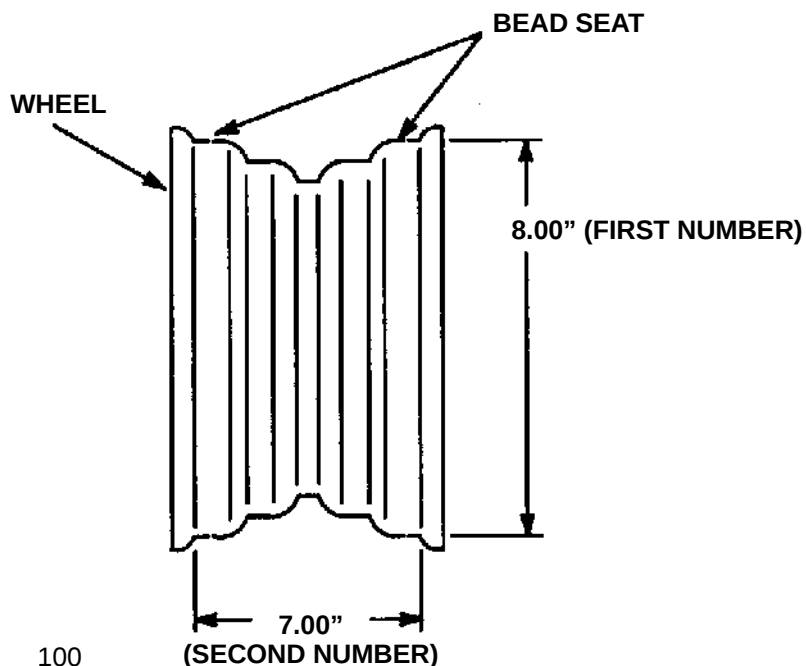
Ref. No.	Part No.	Description	No. Req'd	Notes
1	120177	Lockwasher, 3/8"	3	
2	306414	Screw, 3/8-16 x 1"	3	
3	306562	Nut, 3/8-16	3	
4	306981	Washer, 3/8"	3	
5	883883	Bumper	1	

6.43 FRONT & REAR TIRES



Ref. No.	Part No.	Description	No. Req'd	Notes
1	893172	Tire and wheel set, radial	1	Obtain locally.
2	835905	•Wheel, 4.00 x 12, (five on 4 1/2" bolt circle) . .	1	
3	886735	•Stem, valve	1	
4	◇	•Tire, 4.80 x 12, load range C	1	

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



WHEEL SIZE MEASUREMENT

Previously, tire and wheel size were specified the same.

Example: (a 9.50 x 8.00 tire was mounted on a 9.50 x 8.00 wheel)

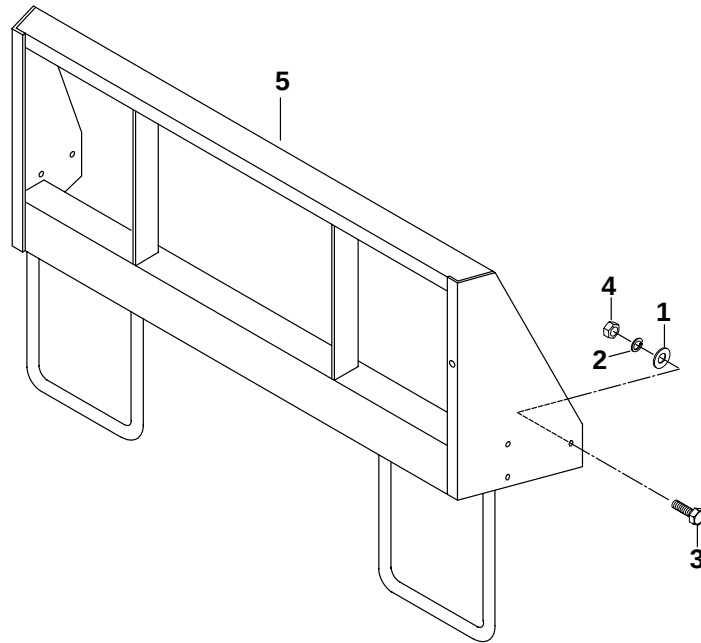
Wheel size is now determined by measuring the wheel at the bead seat.

The first number is wheel diameter measured at bead seat.

The second number is wheel width measured at bead seat.

Example: (a 9.50 x 8.00 tire is mounted on a 8.00 x 7.00 wheel)

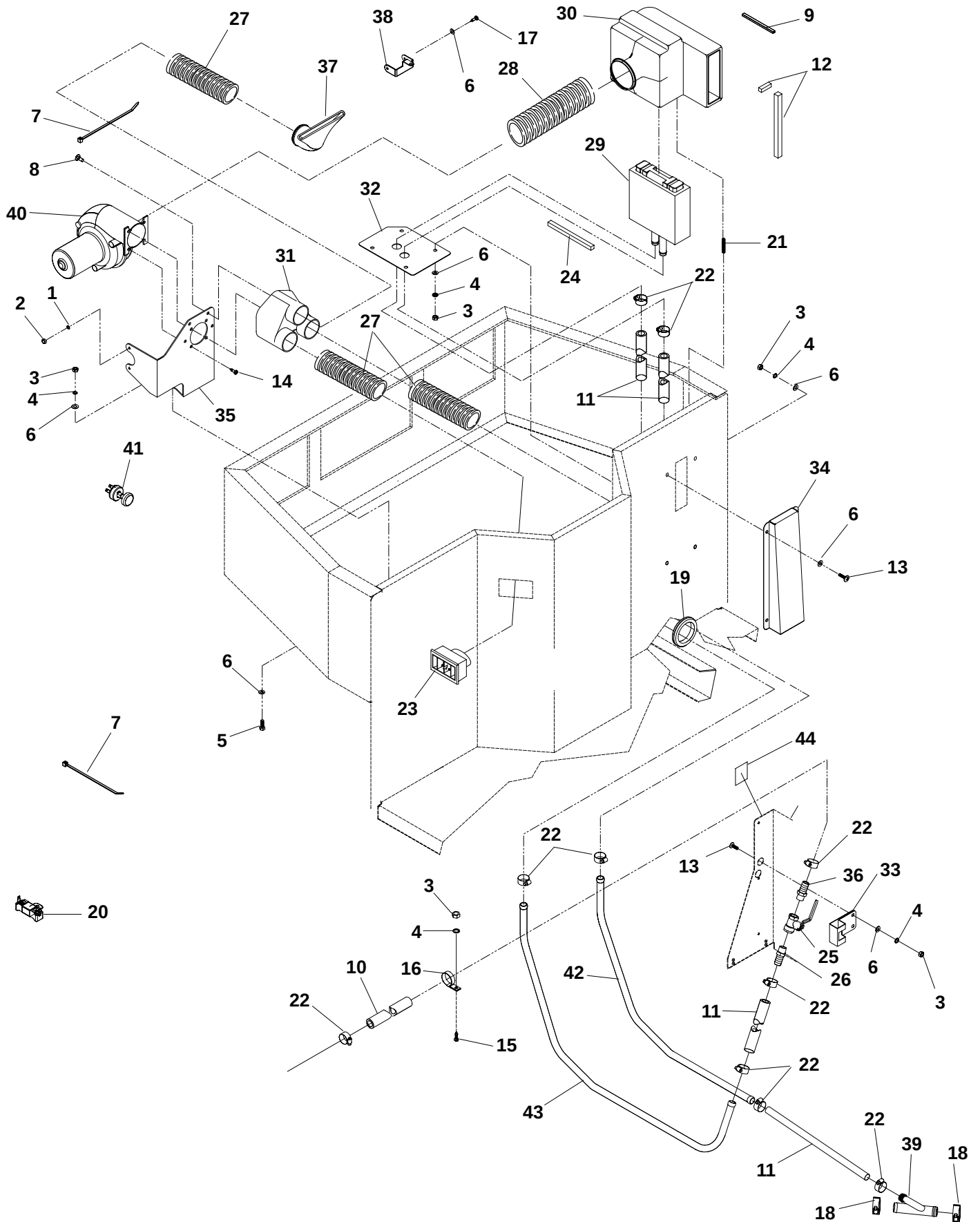
The wheel size did not change, just the method of measurement. See illustration.



Ref. No.	Part No.	Description	No. Req'd	Notes
1	889445	Bumper set, complete	1	Not offered separately.
2	103867	•Washer, 5/16"	6	
3	306325	•Lockwasher, 5/16"	6	
4	306416	•Screw, 5/16-18 x 1"	6	
5	306932	•Nut, 5/16-18	6	
	◇	•Bumper	1	

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

6.45 HEATER/DEFROSTER



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	2	
2	2702244	Nut, #10-32	2	
3	306375	Nut, 1/4-20	14	
4	306396	Lockwasher, 1/4	14	
5	306487	Screw, 1/4-20 x 5/8	4	
6	308090	Washer, 1/4	25	
7	320107	Tie, cable 7 1/2 (191 mm)	10	
8	548045	Screw, 1/4-20 x 3/4	4	
9	821893	Trim, push-on, 12' (3.7 M)	As Req'd.	
10	843200	Tube, heater return, 25' (7.6 M) ...	As Req'd.	
11	833862	Hose, heater	1	
12	830355	Weather seal, 35' (10.7 M)	As Req'd.	
13	800026	Screw, 1/4-20 x 3/4	6	
14	800630	Screw, #12-24 x 3/4, tapping	4	
15	800869	Screw, 1/4-20 x 3/8, tapping	1	
16	800929	Clamp	1	
17	800943	Screw, 10-14 x 5/8, tapping	2	
18	820889	Clamp	2	
19	825779	Grommet	1	
20	825994	Resistor	1	
21	829815	Stud, threaded	4	
22	832033	Clamp	10	
23	833846	Louver, air	2	
24	833851	Seal	3	
25	833857	Valve, ball check	1	
26	833858	Fitting, hose	1	
27	833939	Hose, air	3	
28	833940	Hose, air	1	
29	833949	Core, heater	1	
30	833958	Housing	1	
31	833974	Diffuser, air	1	
32	833984	Panel, core housing	1	
33	833985	Clamp, valve	1	
34	833986	Intake, cab air	1	
35	836024	Bracket, heater blower	1	
36	842944	Fitting, hose	1	
37	844327	Duct, defroster	1	
38	845078.7	Bracket, defrost tube	1	
39	888856	Tube, "Y"	1	
40	889596	Blower	1	
41	894511	Switch, heater 2-speed	1	
42	900051.7	Tube, heater return	1	
43	900052.7	Tube, heater supply	1	
44	832804	Decal, information	1	

6.46 DECALS

NOTICE

1. THIS IS A NEGATIVE GROUND SYSTEM. REVERSING BATTERY CONNECTION WILL DAMAGE ALTERNATOR RECTIFIER.
2. BOOSTER BATTERIES USED FOR STARTING MUST BE CONNECTED WITH PROPER POLARITY
3. BATTERY CABLES SHOULD BE DISCONNECTED BEFORE USING A "FAST CHARGER". 816391

4

WARNING

PARKING BRAKES ARE NOT AUTOMATICALLY APPLIED. VEHICLE MAY MOVE CAUSING PERSONAL INJURY AND/OR PROPERTY DAMAGE. ALWAYS APPLY HAND OR FOOT BRAKES. 822819

5

NOTICE

THIS VEHICLE IS A MOTORCYCLE AND MUST BE OPERATED IN ACCORDANCE WITH MOTORCYCLE LAWS AND REGULATIONS. 825502

6



WARNING

FAILURE TO HEED THESE WARNINGS MAY RESULT IN PERSONAL OR FATAL INJURY TO YOU OR OTHERS AND MAY ALSO RESULT IN EQUIPMENT AND/OR PROPERTY DAMAGES. NEVER ALLOW UNSKILLED OR IMPROPERLY TRAINED PERSONNEL TO OPERATE THIS EQUIPMENT.

BEFORE OPERATING—READ, STUDY AND UNDERSTAND ALL WARNING LABELS AND OPERATING INSTRUCTIONS FURNISHED WITH THIS EQUIPMENT PRIOR TO USE. IF ANY PART OF THIS MATERIAL IS UNCLEAR, CONTACT YOUR FACTORY REPRESENTATIVE FOR CLARIFICATION. DO NOT EXCEED PAYLOAD CAPACITY GIVEN ON VEHICLE NAME PLATE OR PERMIT PASSENGERS ANY PLACE ON VEHICLE. CORNERING ABILITY OF A 3-WHEEL VEHICLE IS NOT AS GREAT AS A 4-WHEEL VEHICLE. PLACE HEAVY LOADS FORWARD OF REAR AXLE. UNBALANCED OR TOP HEAVY LOADS CAN CAUSE UPSET. HELMET IS RECOMMENDED.

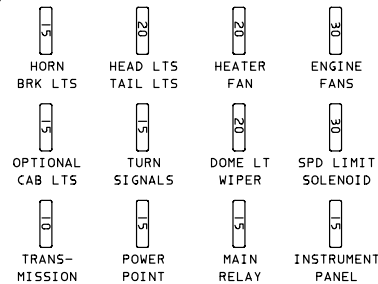
WHILE OPERATING—REMAIN SEATED: USE BOTH HANDS FOR STEERING. KEEP ARMS AND LEGS WITHIN VEHICLE BODY. AVOID SUDDEN STARTS AND STOPS. SUDDEN SHARP TURNS CAN CAUSE UPSET. REGULATE SPEED TO MEET ROAD AND WEATHER CONDITIONS. DO NOT OPERATE IN OR NEAR AN EXPLOSIVE ENVIRONMENT. IF A MALFUNCTION OCCURS, CEASE OPERATION—DO NOT OPERATE VEHICLE UNTIL CONDITION IS CORRECTED. LOUD NOISE OCCURS IF FRONT SKID BAR STRIKES ROAD SURFACE. THIS INDICATES VEHICLE IS BEING OPERATED RECKLESSLY AND IS NEAR UPSET.

BEFORE LEAVING VEHICLE—TURN IGNITION TO "OFF" POSITION AND REMOVE KEY. APPLY PARKING BRAKE—PARKING BRAKE IS NOT AUTOMATICALLY APPLIED. FOLLOW PROCEDURE IN OPERATOR'S MANUAL FOR PARKING ON AN INCLINE.

IT IS YOUR RESPONSIBILITY TO KEEP ALL LABELS (DECALS) AND INSTRUCTIONAL LITERATURE LEGIBLE AND INTACT. REPLACEMENT LABELS (DECALS) AND LITERATURE ARE AVAILABLE FROM THE FACTORY. 825629

7

FUSE PANEL



2702861

2

3

NOTICE

DO NOT TOW OR PUSH THIS VEHICLE AT SPEEDS IN EXCESS OF 10 MPH OR TRANSMISSION DAMAGE WILL OCCUR. 840394

11

TRANSMISSION FLUID LEVEL CHECK UNDER THIS COVER —REFER TO SERVICE MANUAL FOR PROPER PROCEDURE. 840395

12

ENGINE COOLANT RESERVOIR CHECK UNDER THIS COVER —REFER TO SERVICE MANUAL FOR PROPER PROCEDURE. 843439

14



WARNING

TO PREVENT POSSIBLE SEVERE BURNS TO YOU OR OTHERS, DO NOT REMOVE PRESSURE CAP WHEN HOT. CONTENTS UNDER PRESSURE. CHECK AND ADD FLUID AT RESERVOIR. 832130

8

Vehicle Emission Control Information

CUSHMAN a Textron Company
Piston displacement: 657 cubic centimeters
Idle speed: 950 ± 50 rpm
Ignition timing: 4-6° S.T.D.C. at 960 rpm.
Carburetor adjustment: none, factory set
Fuel: unleaded gasoline above 87 octane
Engine oil: SE or SF 10W-40

This vehicle conforms to **USEPA** Model Year New Motorcycles.
842990

13

KEEP VALVE CLOSED WHEN HEATER IS NOT IN USE. 832804

9

WARNING

KEEP HANDS CLEAR. ELECTRIC FAN MAY ENGAGE WITHOUT WARNING, EVEN WITH IGNITION OFF. 833807

10

NOTICE

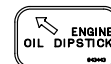
THIS VEHICLE HAS A SPEED LIMITER THAT SLOWS THE ENGINE WHEN EXCEEDING TOP SPEED.

WHEN THIS HAPPENS, LET UP ON THE GAS PEDAL AND LET THE VEHICLE SLOW. REAPPLY THE GAS PEDAL TO RESUME SPEED. 2701329

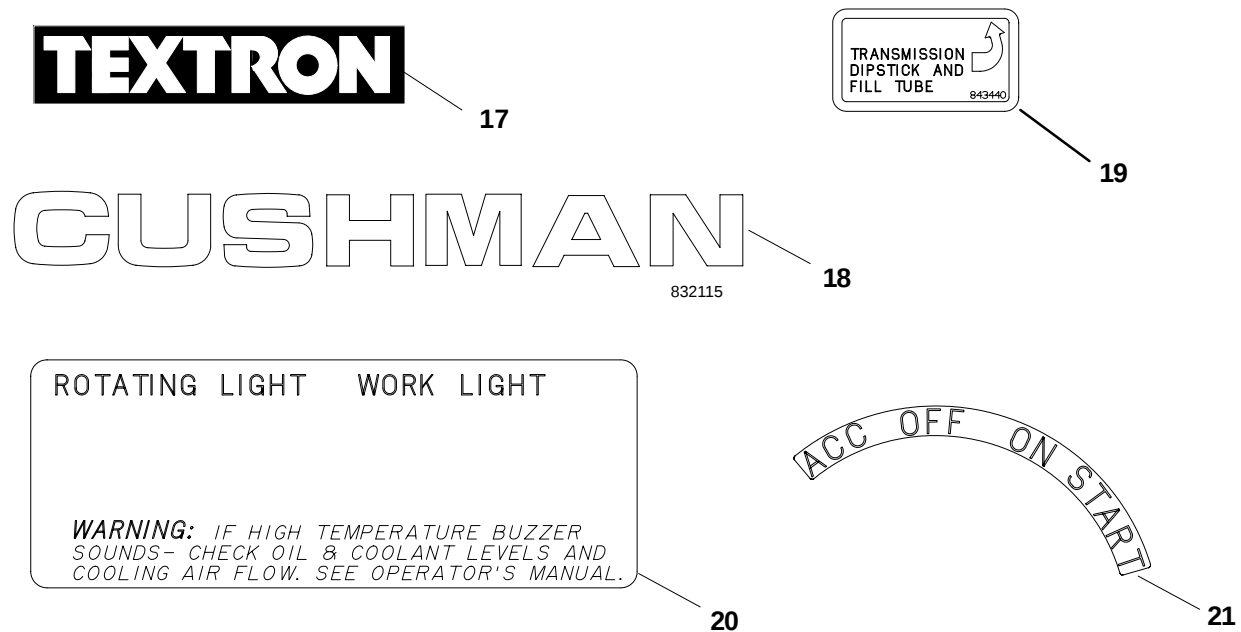
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ENGINE COOLANT RESERVOIR 843440

15

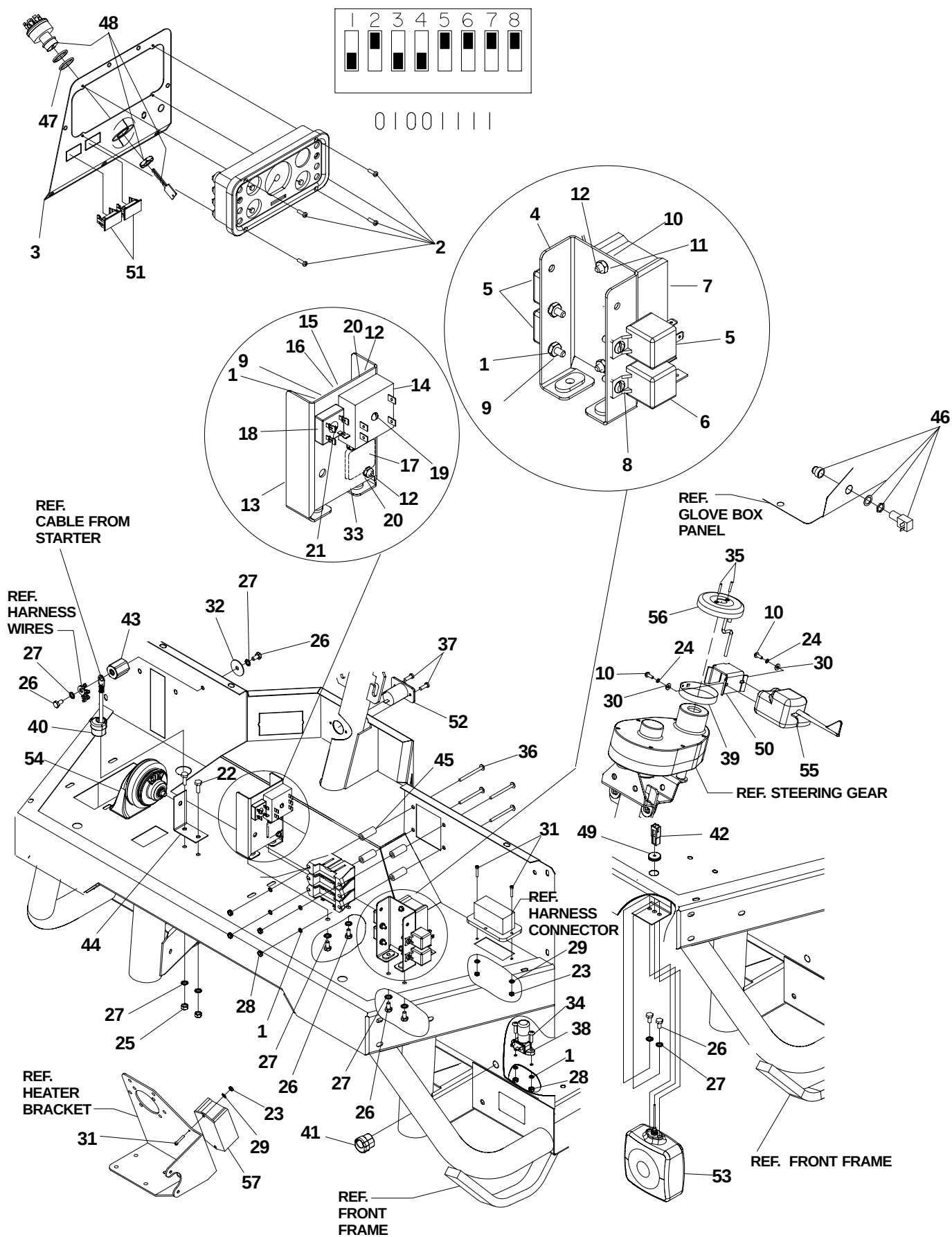


16



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2701329	Decal, speed limiter	1	
2	2702594	Decal, carb EFI	1	
3	2702861	Decal, fuses	1	
4	816991	Decal, Notice Alt-Batt	1	
5	822819	Decal, Warning - Parking Brake	1	
6	825502	Decal, Notice Motorcycle	1	
7	825629	Decal, Warning-Vehicle Operation	1	
8	832130	Decal, Warning Liquid/Pressure	1	
9	832804	Decal, Information	1	
10	833607	Decal, Warning Electrical Fan	1	
11	840394	Decal, Notice	1	
12	840395	Decal, Transmission Fluid	1	
13	842990	Decal, EMS Control Information	1	
14	843439	Decal, Coolant	1	
15	843441	Decal, Coolant Reservoir	1	
16	843443	Decal, Engine Dipstick	1	
17	844847	Decal, TEXTRON	2	
18	832115	Decal, CUSHMAN 14"	2	
19	843440	Decal, transmission dipstick	1	
20	2703306	Decal, dash	1	
21	2703307	Decal, dash, ignition	1	

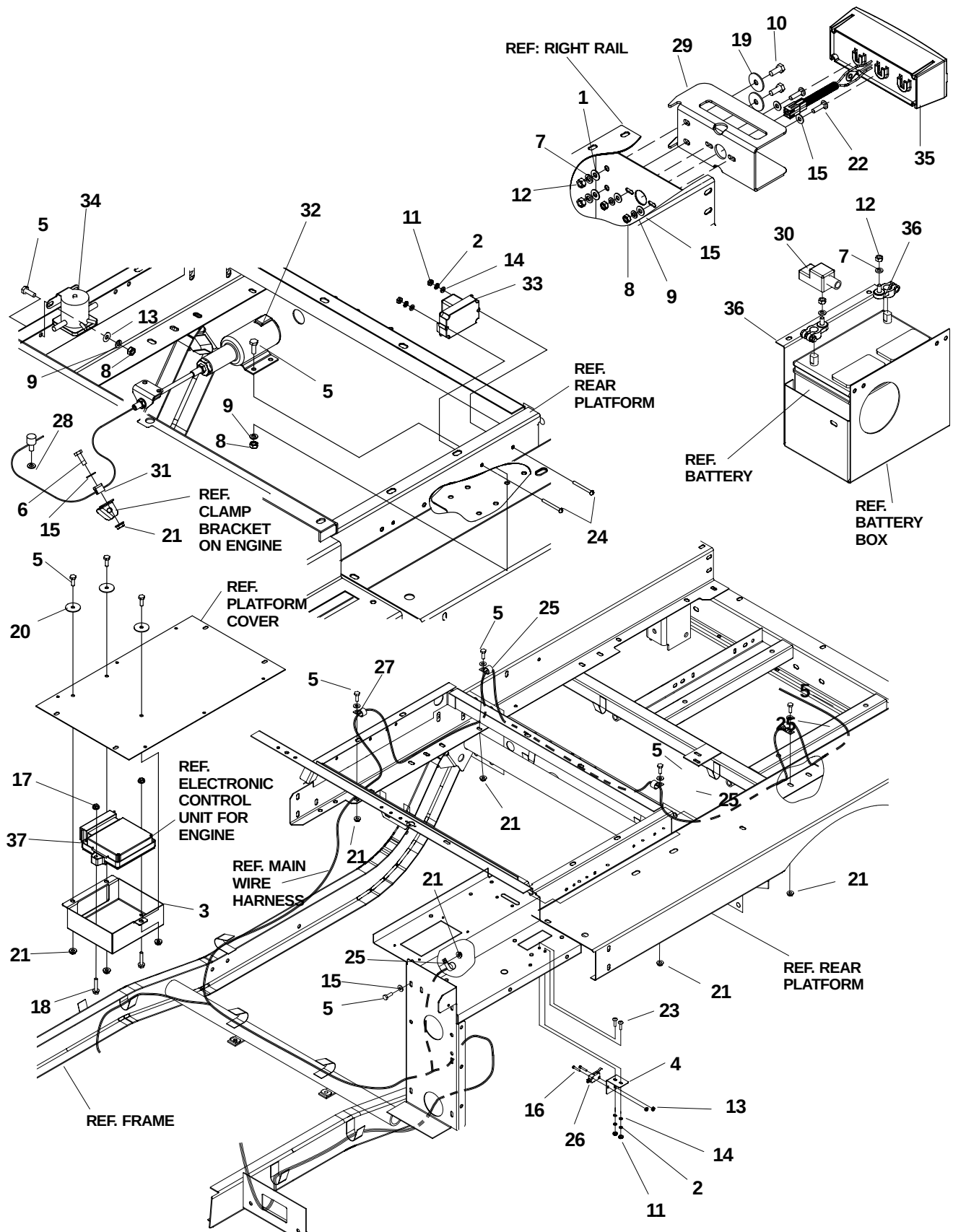
6.47 ELECTRICAL COMPONENTS (FRONT)



ELECTRICAL COMPONENTS (FRONT) 6.47

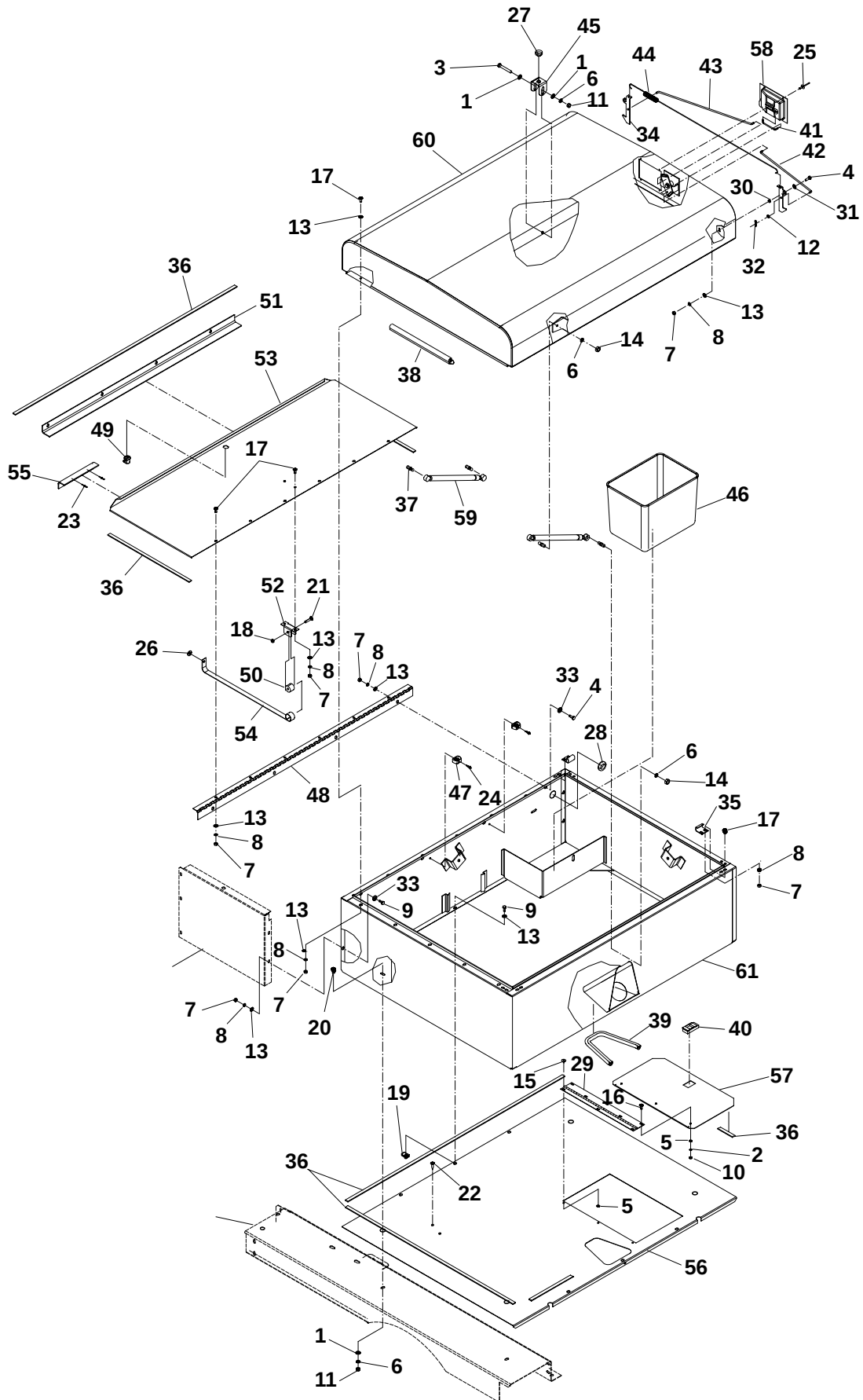
Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	11	Not illustrated. Not illustrated.
2	2700904	Panel w/speedo instrument	1	
3	2701409.7	Panel, instrument	1	
4	2701849.7	Bracket, relay	1	
5	843167	Relay, 12V 15A	3	
6	2700867	Relay, 12V 70A	1	
7	2700918	Module, speed limit	1	
8	800271	Screw, #10-24 x 1/2	4	
9	306531	Nut, #10-24	5	
10	800178	Screw, #8-32 x 1/2	4	
11	306310	Lockwasher, #8	2	
12	133079	Nut, #8-32	5	
13	2701865.7	Bracket, relay	1	
14	2703335	Timer	1	
15	844830	Relay	1	
16	844831	Spring, hold-down, relay	1	
17	844829	Socket, relay	1	
18	840679	Rectifier, bridge	1	
19	548752	Screw, #8-32 x 1 5/8	1	
20	306991	Lockwasher, #8	3	
21	800299	Screw, #10-24 x 1	1	
	2701869	Harness, front	1	
	2702138	Flasher, 12V	1	
22	300646	Screw, 1/4-20 x 3/4	2	
23	302437	Nut, #6-32	3	
24	306310	Lockwasher, #8	2	
25	306375	Nut, 1/4-20	2	
26	306419	Screw, 1/4-20 x 1/2	10	
27	306488	Lockwasher, 1/4	12	
28	306531	Nut, #10-24	6	
29	306990	Lockwasher, #6, shakeproof external	3	
30	308089	Washer, #10	2	
31	313062	Screw, #6-32 x 1	3	
32	548175	Washer, 1/4	1	
	845050	Grease, electrical connector	1	Not illustrated.
33	800178	Screw, #8-32 x 1/2	2	
34	800296	Screw, #10-24 x 3/4	2	
35	800882	Screw, #6-32 x 3/4	2	
36	800911	Screw, #10-24 x 2 1/4	4	
37	800943	Screw, 10-14 x 5/8, tapping, plastic	2	
38	817309	Switch, dimmer	1	
39	825358	Clamp, worm-drive hose	1	
40	825893	Bushing, strain relief	1	
41	825900	Bushing, strain relief	1	
42	826726	Connector, 1 contact, female	2	
43	828231	Insulator	1	
44	828613	Bracket	1	Not illustrated. Not illustrated. Not illustrated.
45	830135	Bushing	4	
46	830366	Switch, push	1	
47	837298	Spacer	2	
48	838354	Switch, ignition	1	
49	839168	Grommet	2	
50	839197	Bracket, turn signal	1	
51	843306	Plug, panel	2	
52	843942	Socket, 12V accessory plug	1	
53	885964	Lamp, turn signal	2	
54	886090	Horn	1	
	886670	Wire	1	
	890000	Buzzer	1	
	894832	Resistor	1	
55	894851	Switch, turn signal	1	
56	894853	Sensor, steering position	1	
57	894854	Module, control	1	

6.48 ELECTRICAL COMPONENTS (MAIN)



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	4	Not illustrated.
2	120052	Lockwasher, #10	4	
	2700511	Harness, diode	1	
3	2701105.7	Cover, engine control unit	1	
4	2702136.7	Bracket, park brake switch	1	
5	300646	Screw, 1/4-20 x 3/4	14	
6	302288	Screw 1/4-20 x 1	1	
7	306325	Lockwasher, 5/16	6	
8	306375	Nut, 1/4-20	10	
9	306396	Lockwasher, 1/4	10	
10	306450	Screw, 5/16-18 x 3/4	4	
11	306531	Nut, #10-24	4	
12	306932	Nut, 5/16-18	6	
13	800587	Nut #4-40	2	
14	308089	Washer, #10	4	
15	308090	Washer, 1/4	16	
16	800439	Screw, #4-40 x 3/4	2	
17	450452	Nut, M6-1.00	2	
18	452380	Bolt, M6-1.00	2	
19	548159	Washer, 5/16	4	
20	548175	Washer, 1/4	3	
21	548910	Nut, 1/4-20	9	
22	800074	Bolt, 1/4-20 x 1 1/4	4	
23	800271	Screw, #10-24 x 1/2	2	
24	800299	Screw, #10-24 x 1	2	
25	809092	Clamp	4	
26	829754	Switch, snap action	1	
27	831225	Clamp	1	
28	831889	Washer, swivel	1	
29	832649	Guard, tail light	2	
30	837462	Boot, battery terminal	1	Not illustrated.
31	842767	Clamp, fuel tube	1	
32	845218	Solenoid with cable	1	
33	845219	Module, control	1	
34	879945	Solenoid, 12V	1	
35	888089	Taillight, RIGHT	1	Not illustrated.
	888090	Taillight, LEFT	1	
36	893395	Terminal, battery	2	
	813840	Clip	3	Not illustrated.
	825779	Grommet	1	Not illustrated.
37	2702974	Controller, ECU police	1	

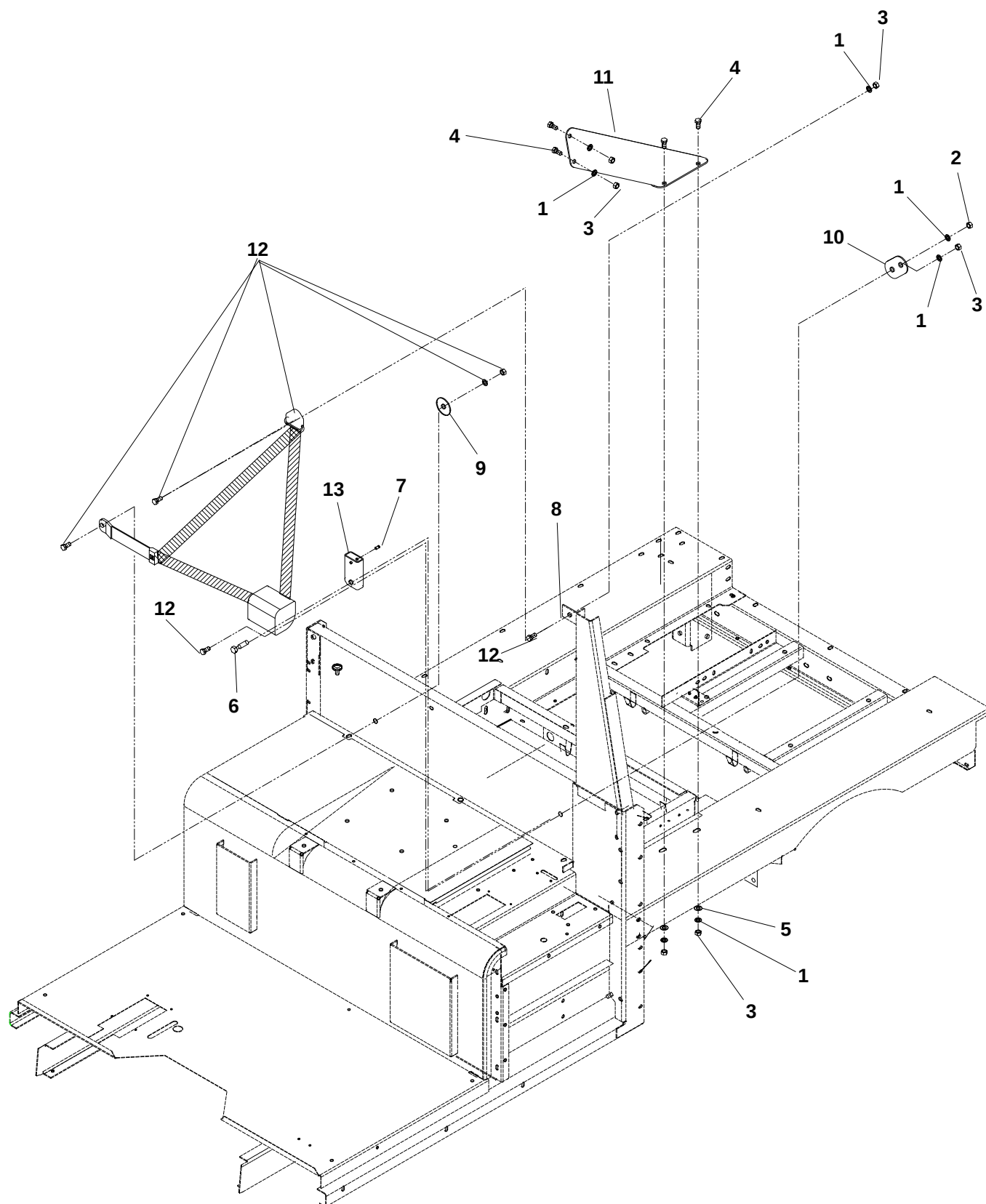
6.49 REAR BOX & SIDES (SIDE OPENING)



REAR BOX & SIDES (SIDE OPENING) 6.49

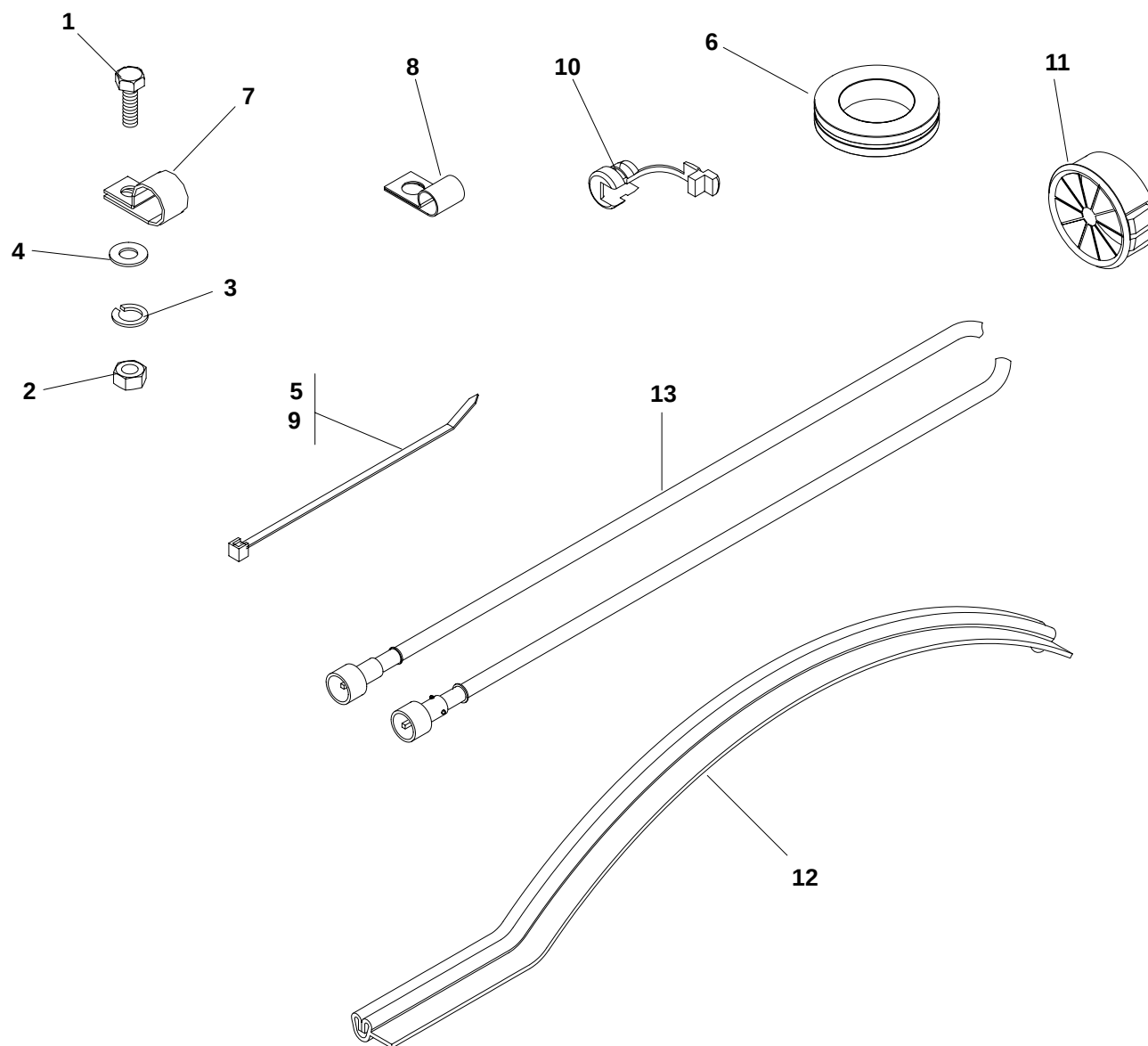
Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	6	
2	120052	Lockwasher, #10	3	
3	2702098	Screw, 5/16-18 x 2 1/4"	1	
4	300646	Screw, 1/4-20 x 3/4"	6	
5	303952	Washer, 13/64	3	
6	306325	Lockwasher, 5/16"	11	
7	306375	Nut, 1/4-20	21	
8	306396	Lockwasher, 1/4"	21	
9	306487	Screw, 1/4-20 x 5/8	9	
10	306531	Nut, #10-24	3	
11	306932	Nut, 5/16-18	7	
12	308089	Washer, #10	6	
13	308090	Washer, 1/4"	19	
14	450324	Nut, M8	4	
15	548238	Rivet, pop, 3/16	3	
16	800021	Screw, #10-32 x 1/2	3	
17	800026	Screw, 1/4-20 x 3/4"	17	
18	800059	Nut, lock, 1/4-20	1	
19	800169	Nut, lock, 1/4-20	5	
20	800177	Screw, P.T.H., 5/16-18 x 3/4"	4	
21	800263	Screw, P.T.H., 1/4-20 x 1 1/4"	1	
22	800384	Screw, 1/4 x 1, tapping	2	
23	800390	Rivet, pop, 1/8	2	
24	800475	Rivet, pop, 13/64"	2	
25	800483	Rivet, pop, 3/16	4	
26	809183	Washer, 1/4"	1	
27	810149	Bumper, rubber	1	
28	810441	Grommet	2	
29	812208	Hinge, continuous	1	
30	814585	Bushing	2	
31	816307	Washer, 17/64	2	
32	821164	Pin, hair, 1/4 x 1 1/8	6	
33	821427	Washer, sealing 1/4	11	
34	824484	Latch	2	
35	824576	Plate	2	
36	828378	Weatherstripping	As Req'd.	
37	828879	Stud, ball, 10mm x 8mm x 1.25mm	4	
38	828976	Weatherstrip	As Req'd.	
39	831004	Weatherstripping	As Req'd.	
40	835213	Latch, slide	1	
41	837960	Rod, short	1	
42	837961	Rod, medium	1	
43	837962	Rod, long	1	
44	838053	Spring, box latch	1	
45	838072	Support, box	1	
46	838223	Box, battery, plastic marine	1	
47	838225	Clip, spring	2	
48	840402	Hinge, cover	1	
49	840436	Lock, paddle handle w/key	1	
50	840438	Bushing, cover spring	1	
51	843169	Angle, cover mount	1	
52	843213	Bracket, spring bushing	1	
53	843217	Cover, box to cab	1	
54	843276	Spring, cover	1	
55	843474	Angle, platform support	1	
56	844417	Panel, floor	1	
57	844880	Door	1	
58	885927	Handle, paddle with key	1	
59	886257	Spring, gas	2	
60	891250	Cover, police box	1	
61	894631	Box, lower	1	

6.50 SEAT BELT



Ref. No.	Part No.	Description	No. Req'd	Notes
1	120177	Lockwaasher, 3/8	4	
2	304364	Nut, 7/16-14	1	
3	306562	Nut, 3/8-16	4	
4	306834	Screw, 3/8-16 x 3/4	4	
5	306981	Washer, 13/32	2	
6	311395	Screw, 7/16-14 x 1 3/4	1	
7	316942	Pin, spirol, 1/4 x 1/2	1	
8	821702	Washer, 29/64	4	
9	831783	Washer, 17/32	1	
10	843081	Plate, reinforcement	1	
11	843173	Brace, seat belt	1	
12	843182	Seat belt	1	
13	845082.7	Spacer, seat belt interior	1	

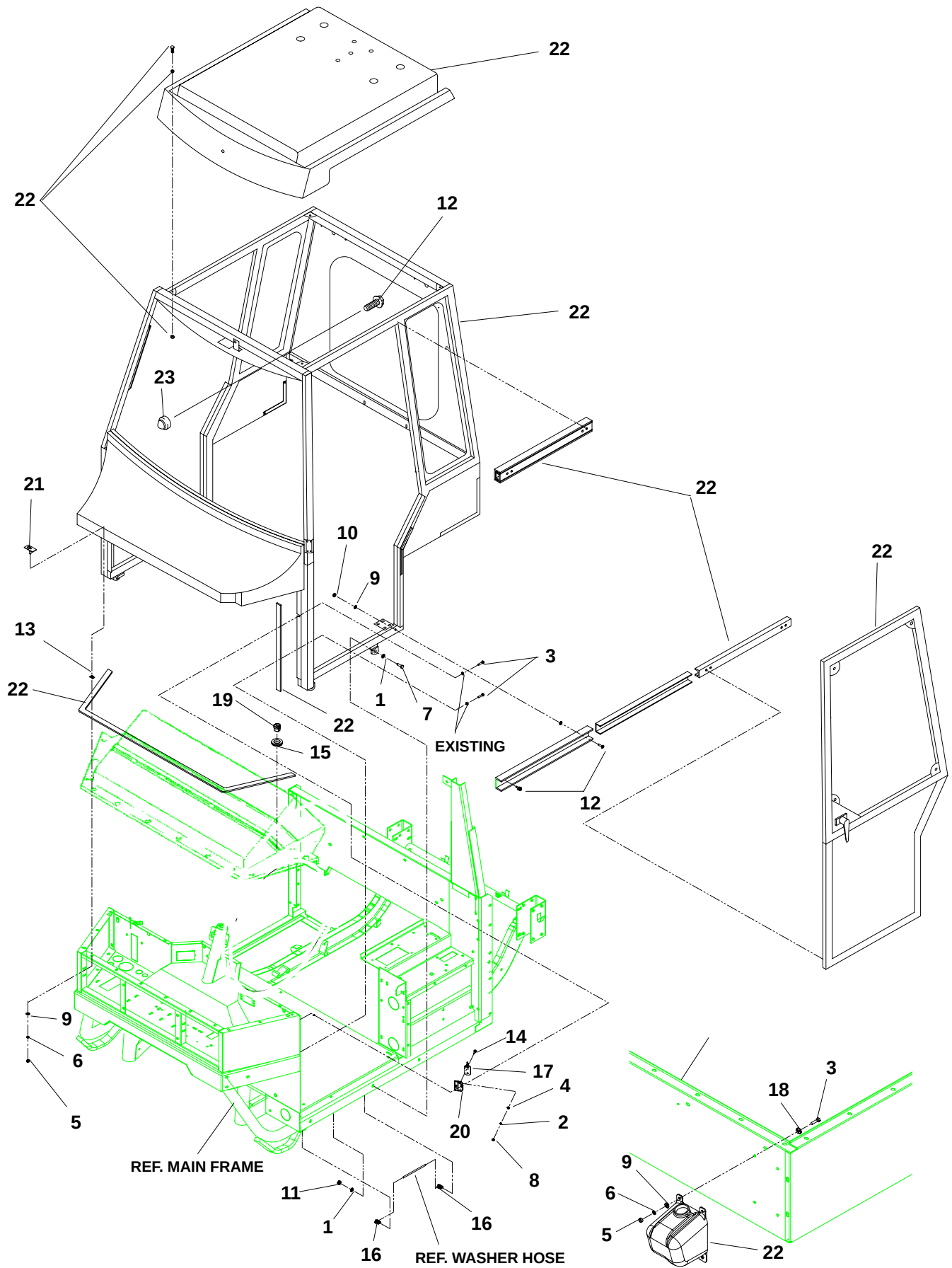
6.51 CLAMPS, GROMMETS, BUSHINGS & CABLE TIES



CLAMPS, GROMMENTS, BUSHINGS & CABLE TIES 6.51

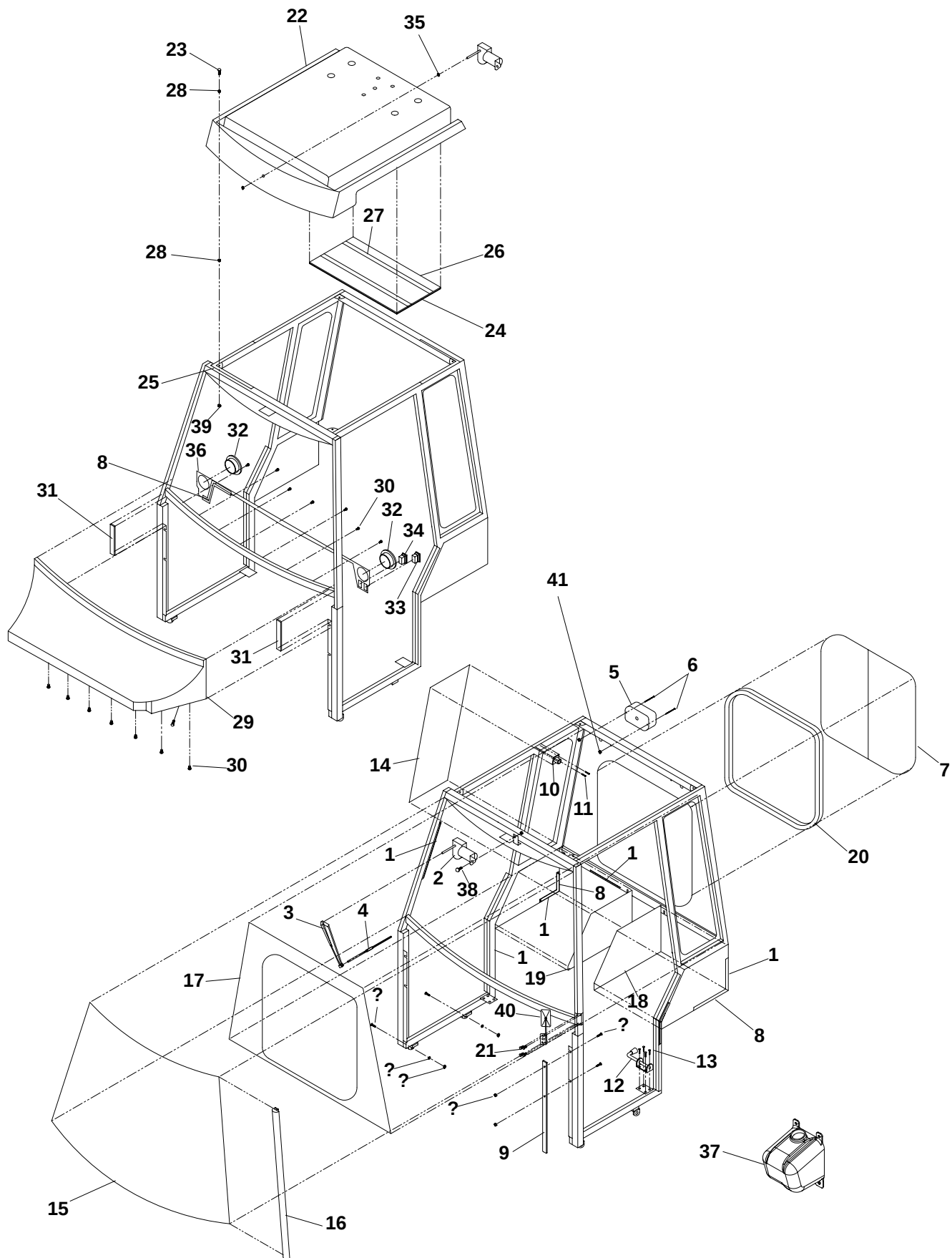
Ref. No.	Part No.	Description	No. Req'd	Notes
1	300646	Screw, 1/4–20 x 3/4	2	
2	306375	Nut, 1/4–20	2	
3	306396	Lockwasher, 1/4	2	
4	308090	Washer, 1/4	2	
5	320107	Tie, wire 7 1/2" (191 mm)	10	
6	809206	Grommet	1	
7	814924	Clamp	2	
8	815058	Clamp	1	
9	823549	Tie, cable 15 1/2" (394 mm)	1	
10	825900	Bushing, strain relief	2	
11	825917	Grommet	3	
12	825924	Seal, push-on	2	
13	884823	Cable, speedometer	1	

6.52 CAB WITH SLIDING DOORS



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103687	Washer, 5/16	8	Not illustrated.
2	120052	Lockwasher, #10	4	
3	302288	Screw, 1/4-20 x 1	8	
4	303952	Washer, #10	4	
5	306375	Nut, 1/4-20	8	
6	306396	Lockwasher, 1/4	8	
7	306416	Screw, 5/16-18 x 1	4	
8	306531	Nut, #10-24	4	
9	308090	Washer, 1/4	16	
10	548910	Nut, 1/4-20	4	
11	548911	Nut, 5/16-18	5	
12	800017	Screw, 1/4-20	4	
13	800167	Nut, 1/4-20	8	
14	800296	Screw, #10-24 x 3/4	4	
15	809206	Grommet	1	
16	813840	Clip	4	
17	821304	Handle holder	2	
18	821427	Washer, sealing, 1/4	4	
19	825893	Bushing, strain	1	
	845083	Bracket, chalk holder, LEFT	1	
20	845084	Bracket, chalk holder, RIGHT	1	
21	888641	Stud	4	
22		Cab, sliding door	1	
23	523126	Bumper, rubber	1	

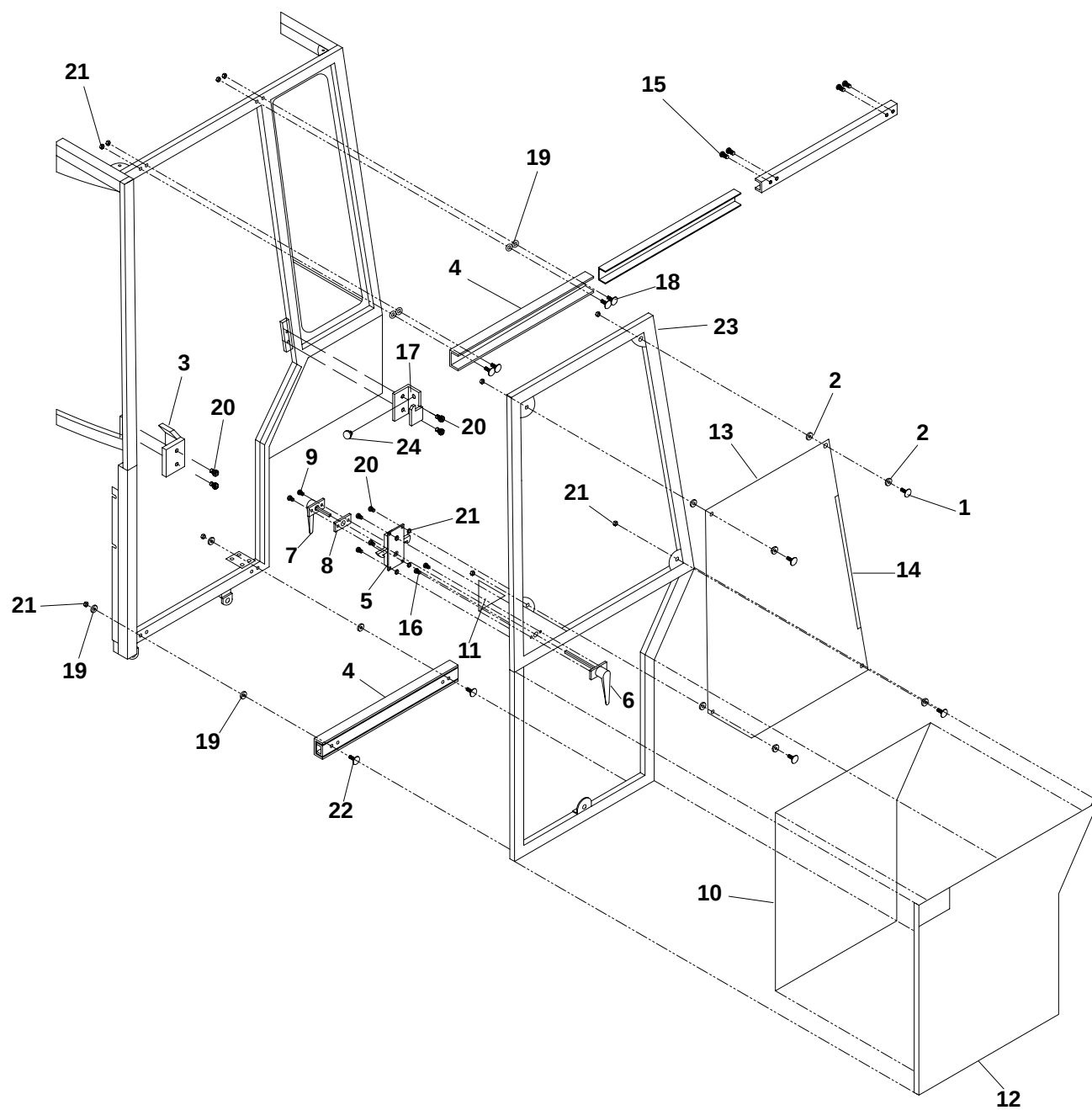
6.53 CAB



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2700647	Cab with sliding doors	1	
2	2700648	•Weather strip, push-on, 90°	As Req'd.	
3	2700649	•Motor, wiper	1	
4	2700650	•Arm, wiper, 16"	1	
5	2700651	•Blade, wiper, 16"	1	
6	2700652	•Light, tail turn & stop	2	
7	2700653	•Screw, #10-24 x 2 1/4	4	
8	2700654	•Window, rear sliding	1	
9	2700655	•Weather strip, push-on, 180°	As Req'd.	
10	2700656	•Foam, front panel cab	2	
11	2700657	•Light, dome	1	
12	2700658	•Screw, #8 x 1, socket head	2	
13	2700659	•Latch, door	2	
14	2700660	•Screw, #10-24 x 3/4	8	
15	2700661	•Window, side	2	
16	2700662	•Windshield, bent laminate	1	
17	2700663	•Trim, windshield edge	As Req'd.	
18	2700664	•Carpet, rear panel	1	
19	2700665	•Carpet, left panel	1	
20	2700666	•Carpet, right panel	1	
21	2700667	•Seal, rear sliding window	1	
22	2700668	•Screw, #10-24 x 1, socket head	8	
23	2700669	•Roof, cab	1	
24	2700670	•Screw, 1/4 x 1, step	4	
25	2700671	•Carpet, removable headliner	1	
26	2700672	•Foam, cab roof	1	
27	2700673	•Panel, removable headliner	1	
28	2700674	•Strip, velcor, 1"	As Req'd.	
29	2700675	•Grommet, 1/4, rubber	8	
30	2700676	•Hood, cab	1	
31	2700677	•Screw, #8 x 1/2, socket head	14	
32	2700678	•Foam, hood	2	
33	2700679	•Vent, adjustable	2	
34	2700680	•Switch, wiper	1	
35	2700681	•Switch, wiper washer	1	
36	2700682	•Nut, wiper motor	2	
37	2700698	•Panel, dash	1	
38	2700699	•Bottle, washer	1	
39	302288	•Screw, 1/4-20 x 1	1	
40	548910	•Nut, 1/4-20	6	
	894212	•Harness, tail light	1	Not illustrated.
	894864	•Mirror, outside	2	
	894876	•Harness, wiper	1	Not illustrated.
	894941	•Harness, cab	1	Not illustrated.
41	2700700	•Nut, #10-24 w/XT lockwasher	4	

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

6.54 SLIDING DOORS

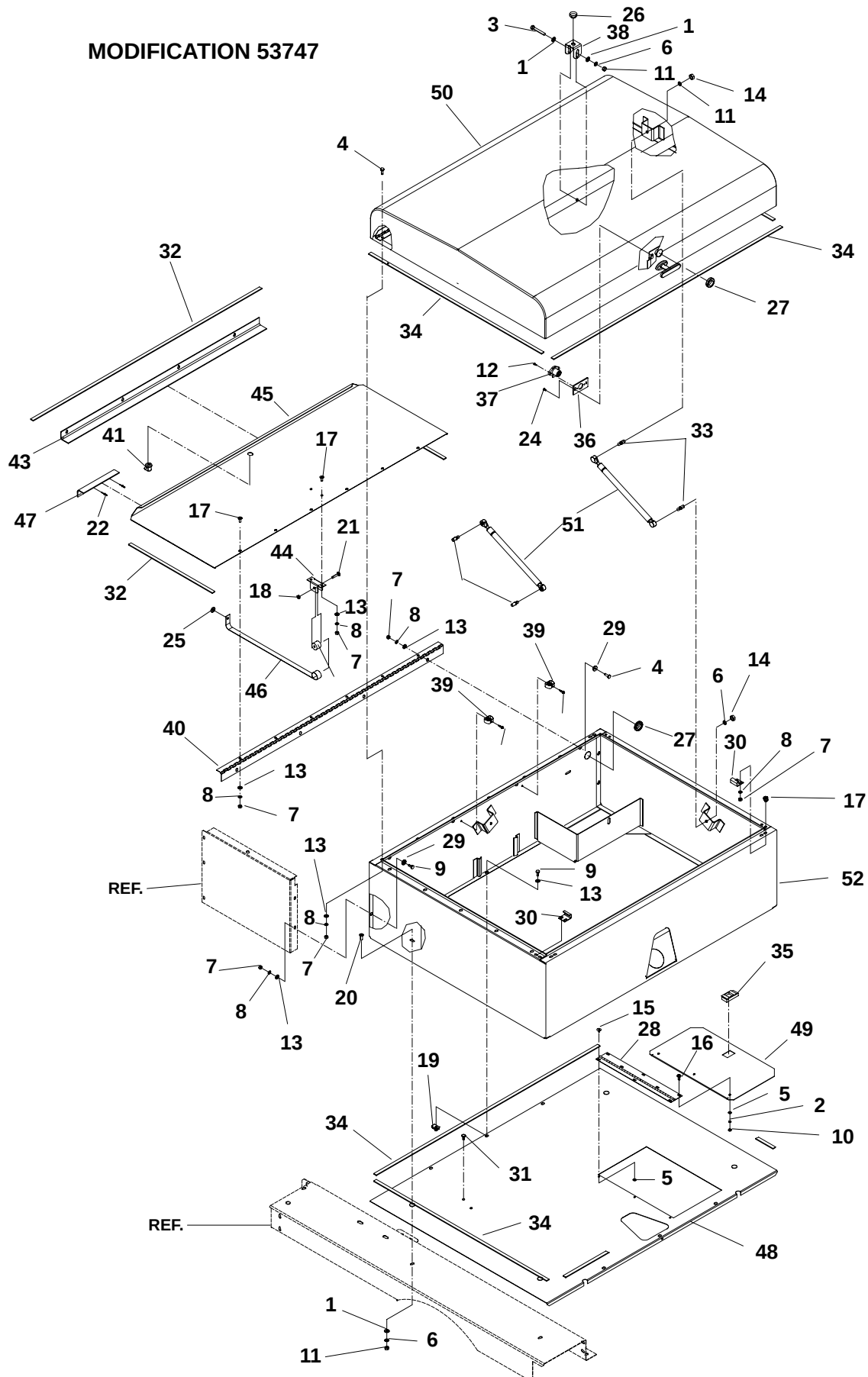


Ref. No.	Part No.	Description	No. Req'd	Notes
1	2700669	Cab, sliding door	1	Not illustrated.
2	2700674	•Screw, 1/4 x 1	8	
3	2703063	•Grommet, 1/4", rubber	16	
3	2703064	•Striker, front, LEFT	1	
4	2703064	•Striker, front, RIGHT	1	
4	2700683	•Track, door	4	
5	2700684	•Latch, double slam door	2	
6	2700685	•Handle, outer locking	2	
7	2700686	•Handle, inner locking	2	
8	2700687	•Spacer	2	
9	2700688	•Bolt, inner handle	4	Not illustrated.
10	2700689	•Carpet, door panel, LEFT	1	
10	2700701	•Carpet, door panel, RIGHT	1	Not illustrated.
11	2700690	•Carpet, door latch	2	
12	2700691	•Panel, fiber glass door, LEFT	1	Not illustrated.
12	2700702	•Panel, fiber glass door, RIGHT	1	
13	2700692	•Window, door	2	Not illustrated.
14	2700693	•Weather stripe, 3/8", 90°	As Req'd.	
15	2700694	•Screw, #12–24 x 3/4, socket head	16	
16	2700695	•Screw, #10–24 x 1/2, socket head	4	
17	2700696	•Striker, LEFT, rear	1	
17	2700697	•Striker, RIGHT, rear	1	
18	300646	•Screw, 1/4–20 x 3/4	4	
19	308090	•Washer, 1/4	8	
20	548827	•Screw, 1/4–20 x 1/2	16	
21	548910	•Nut, 1/4–20	19	
22	800017	•Screw, 1/4–20 x 1	4	Not illustrated.
23	2700703	•Door, LEFT	1	
23	2700704	•Door, RIGHT	1	
24	810149	•Bumper	2	

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

6.55 MODIFICATION REAR BOX & LID

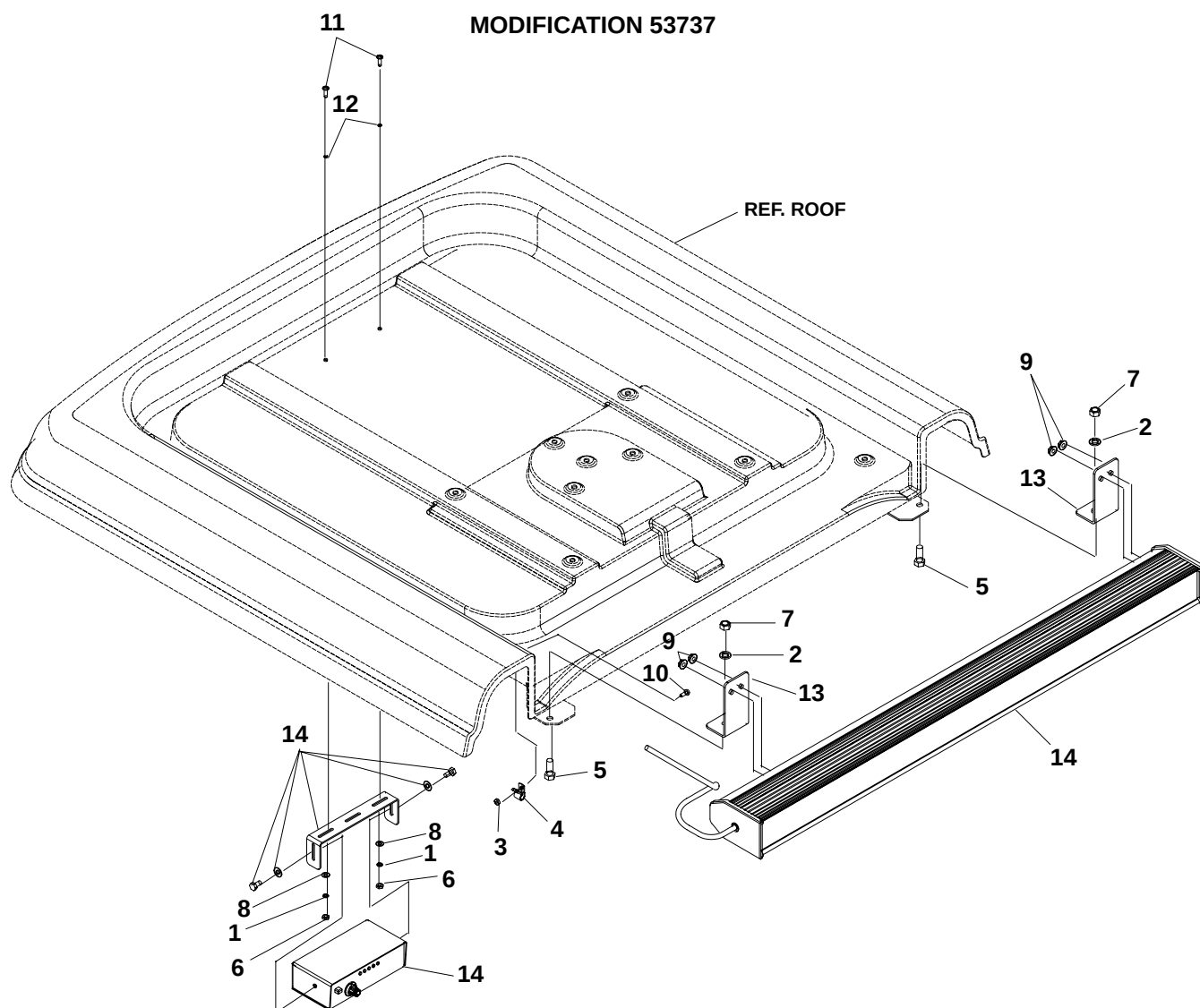
MODIFICATION 53747



MODIFICATION 53747

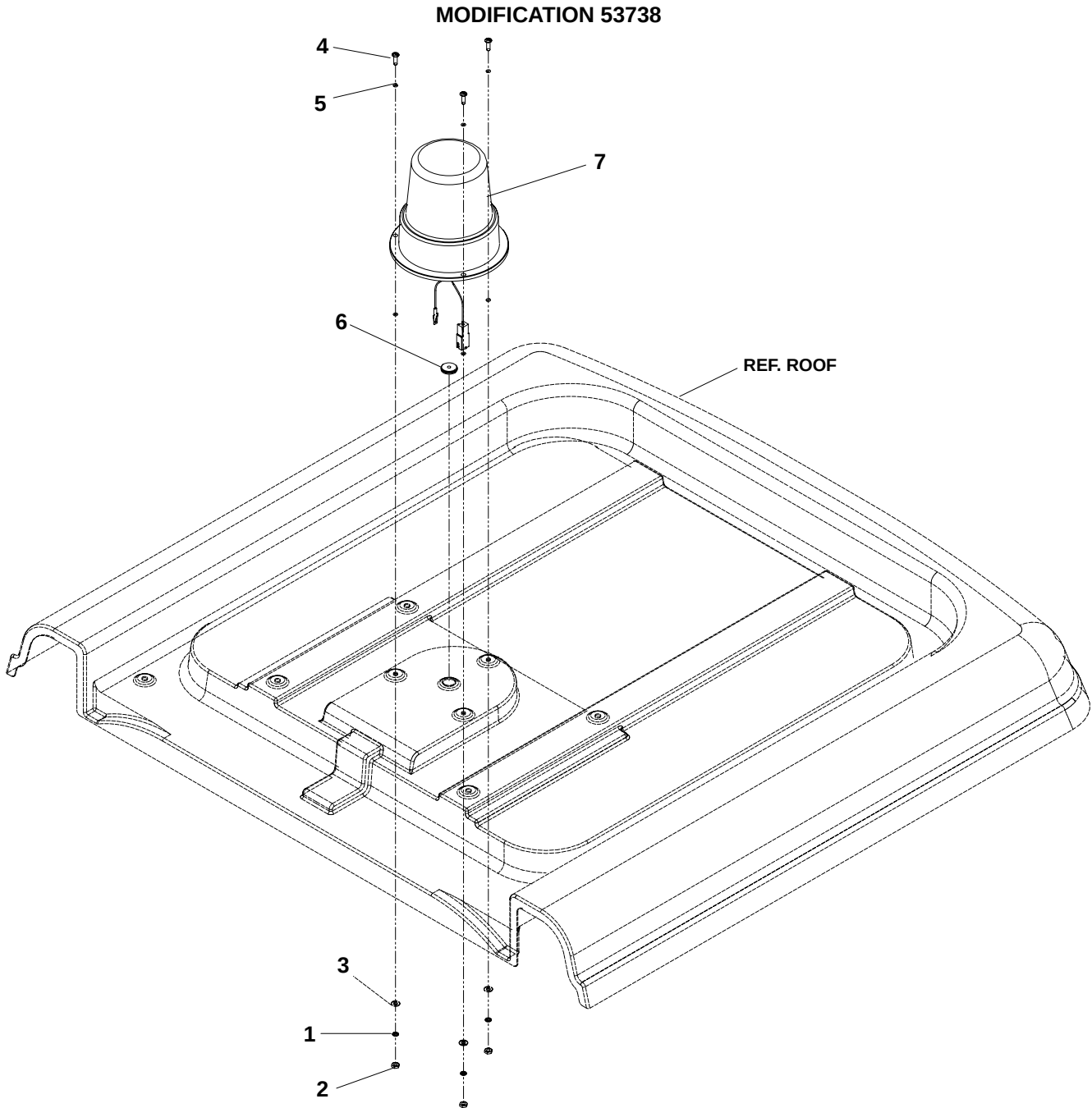
Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16"	6	
2	120052	Lockwasher, #10	3	
3	130167	Screw, 5/16-18 x 2 1/4"	1	
4	300646	Screw, 1/4-20 x 3/4"	11	
5	303952	Washer, 13/64	3	
6	306325	Lockwasher, 5/16"	11	
7	306375	Nut, 1/4-20	21	
8	306396	Lockwasher, 1/4"	21	
9	306487	Screw, 1/4-20 x 5/8	9	
10	306531	Nut, #10-24	3	
11	306932	Nut, 5/16-18	7	
12	307136	Screw, #6-32 x 5/16	2	
13	308090	Washer, 1/4"	19	
14	450324	Nut, M8	4	
15	548238	Rivet, pop, 3/16	3	
16	800021	Screw, #10-32 x 1/2	3	
17	800026	Screw, 1/4-20 x 3/4"	12	
18	800059	Nut, lock, 1/4-20	1	
19	800169	Nut, lock, 1/4-20	5	
20	800177	Screw, P.T.H., 5/16-18 x 3/4"	4	
21	800263	Screw, P.T.H., 1/4-20 x 1 1/4"	1	
22	800390	Rivet, pop, 1/8	2	
23	800475	Rivet, pop, 13/64"	2	
24	800747	Screw, #8-32 x 3/8	2	
25	809183	Washer, 1/4"	1	
26	810149	Bumper, rubber	1	
27	810441	Grommet	2	
28	812208	Hinge, continuous	1	
29	821427	Washer, sealing 1/4	11	
30	824576	Plate	2	
31	825919	Plug, hole	2	
32	828378	Weatherstripping	As Req'd	
33	828879	Stud, ball, 10mm x 8mm x 1.25mm	4	
34	828976	Weatherstrip	As Req'd	
35	835213	Latch, slide	1	
36	837165	Plate	1	
37	837196	Lock	1	
38	838072	Support, box	1	
39	838225	Clip, spring	2	
40	840402	Hinge, cover	1	
41	840436	Lock, paddle handle w/key	1	
42	840438	Bushing, cover spring	1	
43	843169	Angle, cover mount	1	
44	843213	Bracket, spring bushing	1	
45	843217	Cover, box to cab	1	
46	843276	Spring, cover	1	
47	843474	Angle, platform support	1	
48	844417	Panel, floor	1	
49	844880	Door	1	
50	883835	Cover	1	
51	886257	Spring, gas	2	
52	894631	Box, lower	1	

6.56 MODIFICATION TRAFFIC LIGHT BAR



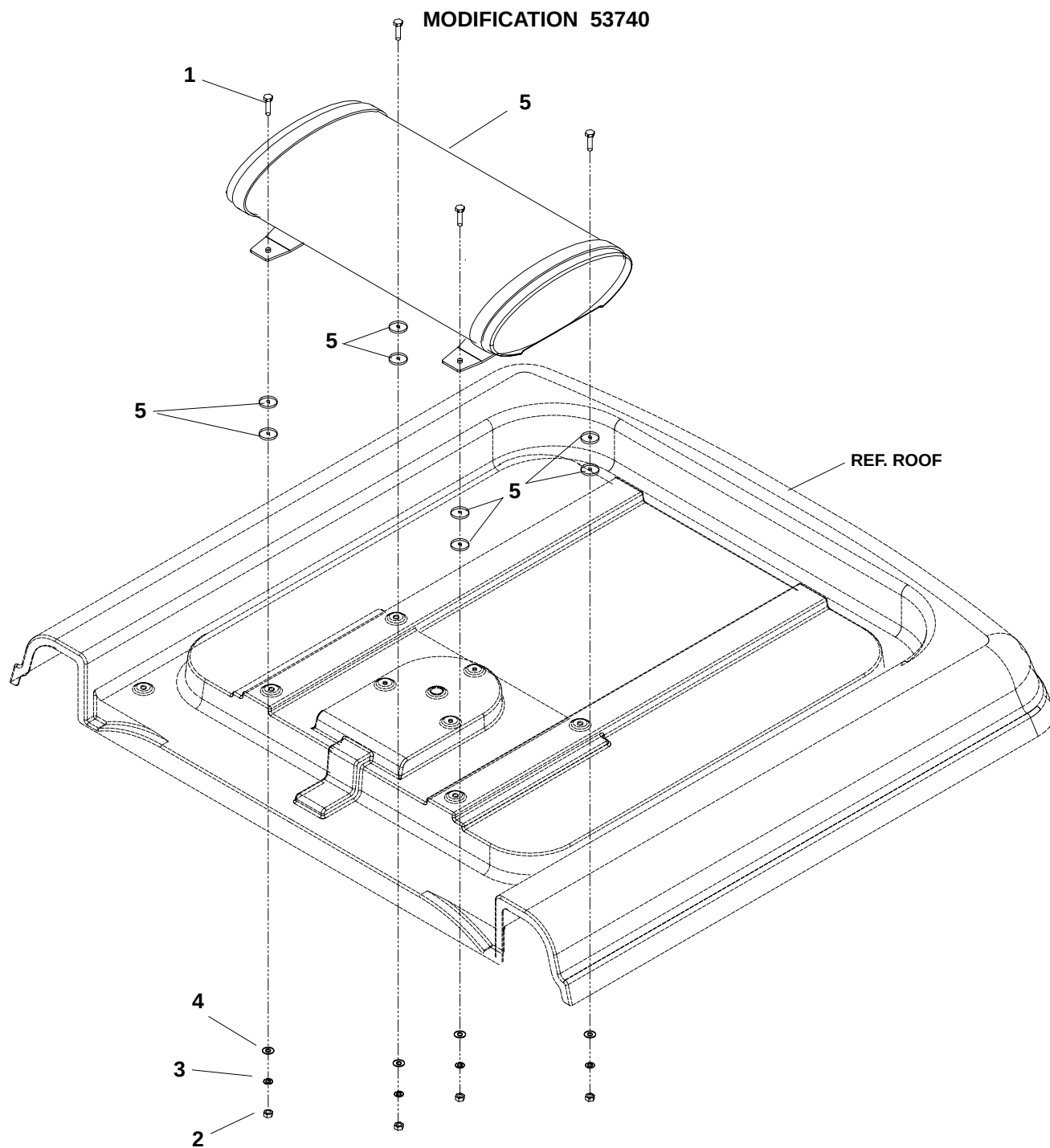
Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	2	Not illustrated.
2	120177	Lockwasher, 3/8	2	
3	133079	Nut, #8-32	1	
4	181361	Clamp, molded, 8 mm, I.D.	1	
5	306414	Screw, 3/8-16 x 1	2	
6	306531	Nut, #10-24	2	
7	306562	Nut, 3/8-16	2	
8	308089	Washer, #10	2	
9	548910	Nut, 1/4-20	4	
10	800178	Screw, #8-32 x 1/2	1	
11	800215	Screw, #10-24 x 5/8	2	
12	821068	'O' ring	2	
13	845095	Bracket, angle	2	
	895053	Harness, traffic light	1	
14	895062	Light, traffic control	1	

MODIFICATION AMBER FLASHING LIGHT 6.57

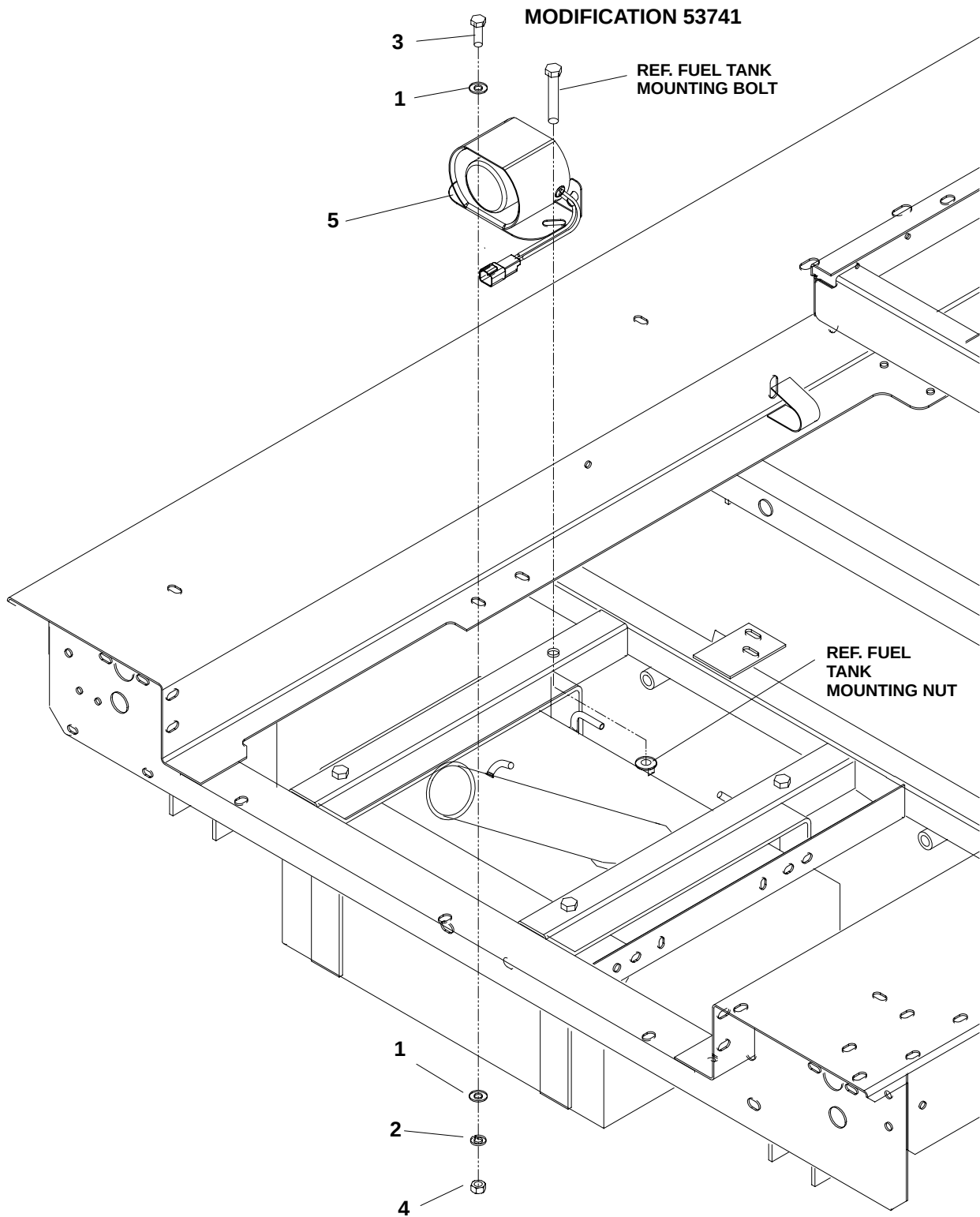


Ref. No.	Part No.	Description	No. Req'd	Notes
1	120052	Lockwasher, #10	3	Not illustrated.
2	306531	Nut, #10-24	3	
3	308089	Washer, #10	3	
4	800215	Screw, #10-24 x 5/8	3	
5	821068	'O' ring	6	
6	839168	Grommet	1	
7	894710	Light, flashing	1	
	894944	Wire	1	

6.58 MODIFICATION FLASHING LIGHT BAR



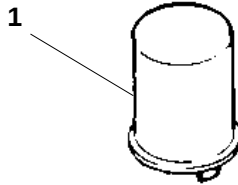
Ref. No.	Part No.	Description	No. Req'd	Notes
1	302288	Screw, 1/4-20 x 1	4	Not illustrated.
2	306375	Nut, 1/4-20	4	
3	306396	Lockwasher, 1/4	4	
4	308090	Washer, 1/4	4	
	894944	Wire	1	
5	895054	Light, rotating	1	



Ref. No.	Part No.	Description	No. Req'd	Notes
1	103867	Washer, 5/16	2	
2	306325	Lockwasher, 5/16	1	
3	306416	Screw, 5/16-18 x 1	1	
4	306932	Nut, 5/16-18	1	
5	894814	Alarm, back-up	1	

6.60 TURN SIGNAL FLASHER, TIRE & RIM

TURN SIGNAL FLASHER



Ref. No.	Part No.	Description	No. Req'd	Notes
1	2700872 822867	Harness, flasher 1 Flasher, hazard warning 12V 1		Not Illustrated.

TIRE & RIM

Ref. No.	Part No.	Description	No. Req'd	Notes
	893172 844173	Tire & rim 1 •Rim 1		Not illustrated. Not illustrated.

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

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