WIRING DIAGRAM

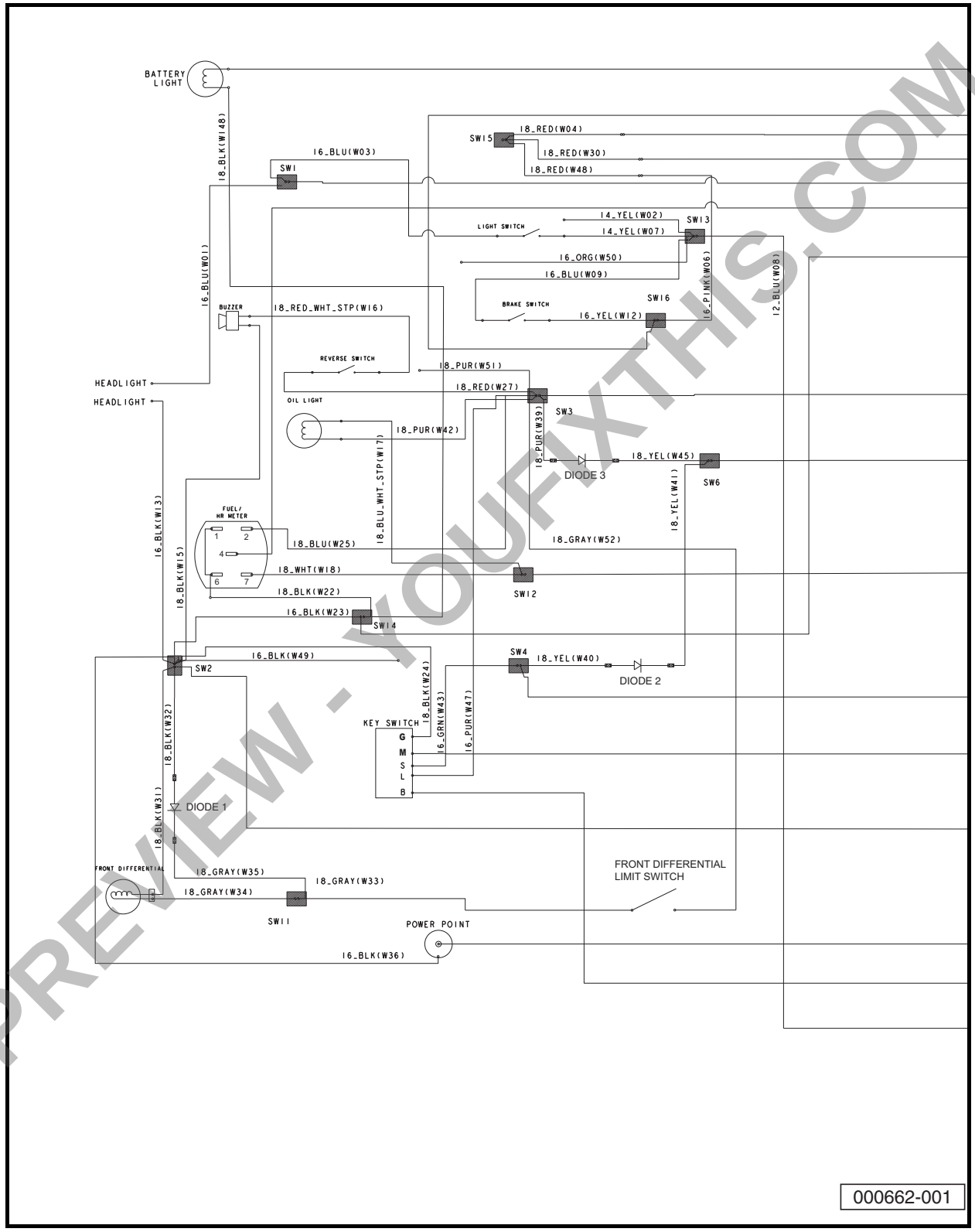


Figure 11a-1 Wiring Diagram – Gasoline Utility Vehicles (Front)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

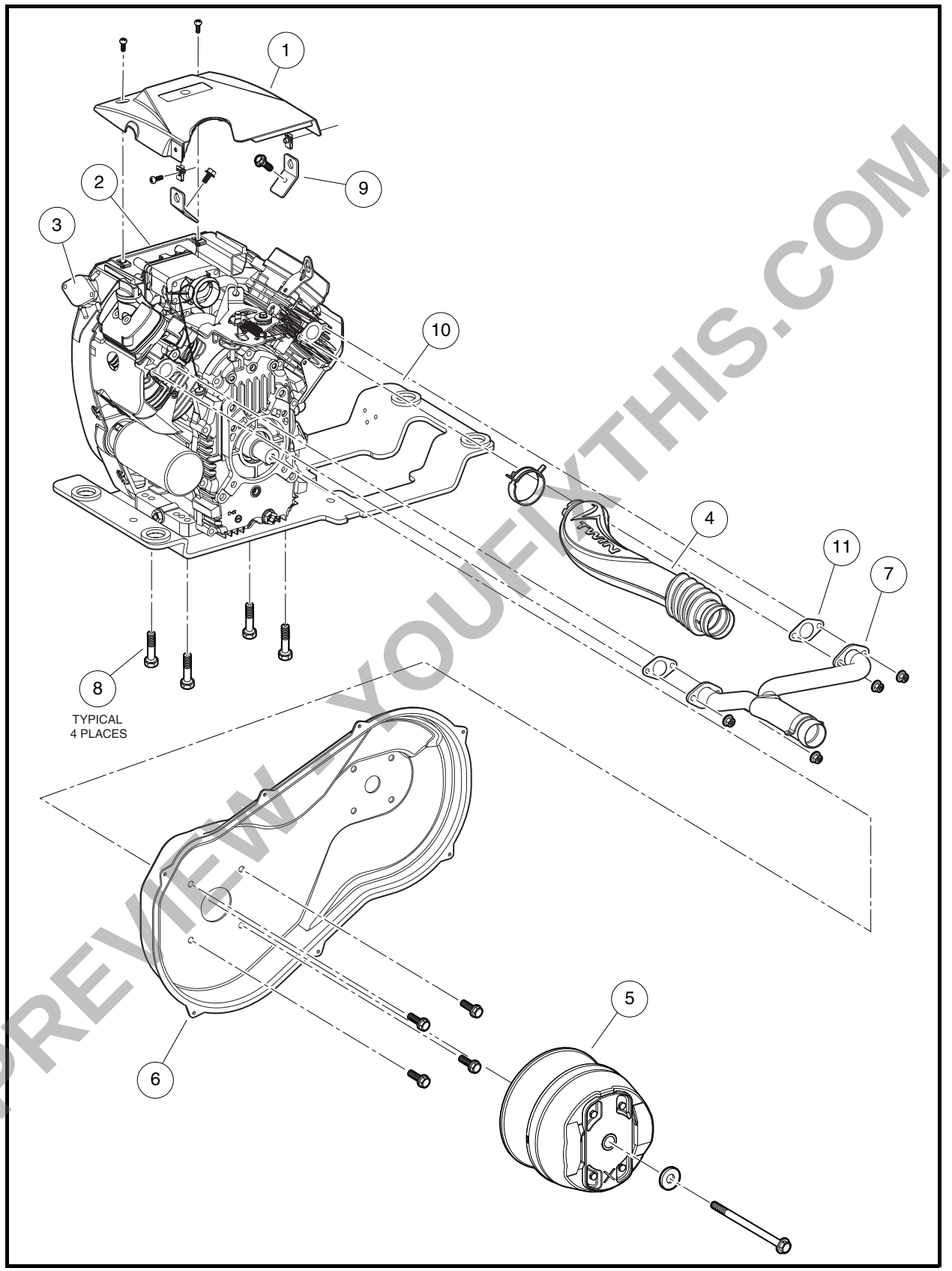


Figure 13a-1 Engine Removal and Installation Components

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

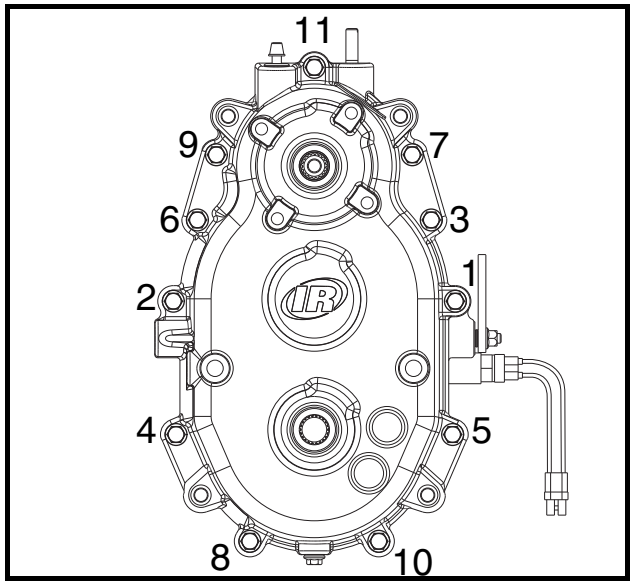


Figure 16-90 Case Bolts – Tightening Sequence

TRANSMISSION INSTALLATION

See Transmission Installation, Section 14, in the appropriate maintenance and service manual.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TEST PROCEDURE 1 – BATTERY

See General Warning, Section 1, Page 1-2.

⚠ DANGER

- **Due to the danger of an exploding battery, wear a full face shield and rubber gloves when working around a battery.**
- **Battery – Explosive gases! Do not smoke. Keep sparks and flames away from the vehicle and service area. Ventilate when charging or using in an enclosed space. Wear a full face shield and rubber gloves when working on or near batteries. For added protection, cover top of the battery when servicing the vehicle.**
- **Battery – Poison! Contains acid! Causes severe burns! Avoid contact with skin, eyes, or clothing.**
  - **External: Flush with water. Call a physician immediately.**
  - **Internal: Drink large quantities of milk or water. Follow with milk of magnesia or vegetable oil. Call a physician immediately.**
  - **Eyes: Flush with water for 15 minutes. Call a physician immediately.**

NOTE: *The battery must be properly maintained and fully charged in order to perform the following test procedures. Battery maintenance procedures, including watering information and allowable mineral content, can be found in Section 12a of this manual.* ***See Battery, Section 12a, Page 12a-16.***

Test Procedure 1A – Hydrometer Test

A hydrometer (P/N CLC1011478) measures the specific gravity of battery electrolyte. The higher the specific gravity, the higher the state of charge of the battery. A fully charged battery should read between 1.250 and 1.280 at 80 °F (27 °C). Never add acid to the battery to obtain a higher specific gravity **(Figure 11a-3, Page 11a-10)**. **See following CAUTION.**

CAUTION

- **Do not allow battery acid from battery caps or hydrometer to drip onto the vehicle body. Battery acid will cause permanent damage. Wash off immediately.**

1. Turn the key switch OFF and remove the key. Place the Forward/Reverse handle in NEUTRAL. Chock the wheels.
2. Check for loose or corroded battery terminal connections. Clean, tighten and replace connections as necessary.
3. Be sure that the battery has sufficient water to cover the plates by approximately 1/2-inch (13 mm) and is fully charged before the test. If water must be added, recharge the battery before performing the hydrometer test **(Figure 11a-4, Page 11a-10)**.
4. Remove the vent cap.
5. Use a battery thermometer (P/N CLC1011767) to record the electrolyte temperature of a center cell.
6. Squeeze the rubber bulb of the hydrometer and insert it into the cell. Slowly release the bulb, drawing electrolyte up into the glass tube of the hydrometer.
7. Ensure the float rises off the bottom. Adjust the electrolyte level so that the float rides free of the bottom but does not strike the bottom of the rubber bulb. Remove the hydrometer from the cell and release pressure from the bulb.

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

SECTION 11A – TROUBLESHOOTING AND ELECTRICAL SYSTEM: GASOLINE VEHICLES

⚠ DANGER

- **See General Warning, Section 1, Page 1-2.**

⚠ WARNING

- **See General Warning, Section 1, Page 1-2.**

TROUBLESHOOTING GUIDE

The following troubleshooting guide will be helpful in identifying operating difficulties should they occur. The guide includes the symptom, probable cause(s) and suggested checks.

TROUBLESHOOTING GUIDE

SYMPTOM	POSSIBLE CAUSES	REFER TO
Engine does not start easily.	Spark plug is partially fouled or in poor condition	Spark Plugs on page 10-11
	Spark plug wire is damaged or loose	See the Kawasaki FH680D engine manual (P/N CLC103351201).
	Intermittent ignition coil failure	See the Kawasaki FH680D engine manual (P/N CLC103351201).
	Low cylinder compression	See the Kawasaki FH680D engine manual (P/N CLC103351201).
	Water or dirt in the fuel system and/or carburetor; dirty or clogged fuel filter	Fuel System on page 13a-9
	Carburetor improperly adjusted	See the Kawasaki FH680D engine manual (P/N CLC103351201).
	Starter failure	See the Kawasaki FH680D engine manual (P/N CLC103351201).
	Carburetor solenoid failure	Test Procedure 22 – Carburetor Solenoid Circuit on page 11a-29
	Diode 3 failed open	Test Procedure 9C – Diode 3 on wire 45 and 39 on page 11a-21
	Diode 5 failed open	Test Procedure 9E – Diode 5 on wire 131 and 129 on page 11a-22

Troubleshooting Guide continued on next page...

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SECTION 2 – VEHICLE SPECIFICATIONS

SPECIFICATIONS	Two Passen-ger	Two Passen-ger	Four Passen-ger	Four Passen-ger
POWER SOURCE	**Gasoline**	**Diesel**	**Gasoline**	**Diesel**
Engine: (Kawasaki) 4-cycle OHV, 675 cc, 23.0 maximum HP @3600 rpm (per SAE J 1940/1349), twin-cylinder, air-cooled, with pressure lubrication system	•		•	
Engine: 4-cycle OHV, 719 cc, 20.0 maximum HP @3600 rpm (per SAE J 1940/1349), three-cylinder, liquid-cooled, with pressure lubrication system		•		•
Fuel system: Side-draft carburetor with float bowl, fixed jets, fuel filters, and impulse fuel pump	•		•	
Fuel system: Mechanical injection, fuel water separator, fuel filters, and electric or mechanical fuel pump		•		•
Governor (Kawasaki engine): internal to engine, centrifugal ball	•		•	
Governor: internal to engine, mechanical, centrifugal ball		•		•
Ignition: Transistorized magneto	•		•	
Ignition: Compression		•		•
Transmission: Forward and reverse with neutral (5.39:1 forward, 7.79:1 reverse)	•	•	•	•
Electrical system: 12 volt, 500 cca at 0 °F (-17.8 °C), 650 at 32 °F (0 °C). 105-minute reserve capacity and 35-amp charging capacity	•	•	•	•
Torque converter: Automatic, variable-speed, dry type	•	•	•	•
STEERING/SUSPENSION/BRAKES				
Suspension: **Front:** Independent double A-arms with coil-over shock absorbers **Rear:** Swing arms with coil-over shock absorbers	•	•	•	•
Steering: Self-adjusting rack and pinion, Ackerman	•	•	•	•
Brakes: Hydraulic brake system – brake pads and discs on each wheel with separate foot-operated park brake	•	•	•	•
BODY/CHASSIS				
Frame/Chassis: Box tube aluminum	•	•	•	•
Side and rear body: Plastic	•	•	•	•
Cargo bed: Powder-coated steel or aluminum	•	•	•	•
Front body: Geloy XTWM206	•	•	•	•
Tires: **All Terrain:** 25 x 10.5 – 12 front and rear; tubeless, 4-ply rated load range **Mud:** 25 x 11 – 12 front and rear; tubeless, 4-ply rated load range	•	•	•	•
DIMENSIONS/WEIGHT				
NOTE: Items marked with an asterisk (*) indicate approximate values.				
***Overall length** (box bed configuration, without brushguard):	122 in. (309.9 cm)		154 in. (391.2 cm)	
Overall width: without mirror with mirror	58.5 in. (148.5 cm) 63.6 in. (161.5 cm)			
***Overall height** (with ROPS): with mud tires with all-terrain tires	82.3 in. (209 cm)		80.3 in. (203.8 cm)	
Specifications continued on next page...				

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PERIODIC SERVICE SCHEDULE

REGULAR INTERVAL	SERVICE	
Daily service by owner	Pre-Operation and Daily Safety Checklist	See Pre-Operation and Daily Safety Checklist in the Owner's Manual.
	Performance Inspection	See Performance Inspection in the Owner's Manual.
Daily service by owner or trained technician	Engine	Check engine oil level; add if necessary. **See Engine Oil Level Check on page 10-7.**
		Diesel vehicles: Check engine coolant; add if necessary. **See Engine Coolant Level Check on page 10-13.**
		Clean debris from radiator.
	Fuel filters	**Diesel vehicles:** Drain water from fuel filter. **See Draining Water from Fuel Filter on page 10-15.**
	Brakes	Check brake fluid; add if necessary. Check brake pedal for proper operation. **See Performance Inspection in the vehicle owner's manual.**
Monthly service by owner or trained technician	Engine	Check engine circulating air passage; visually inspect unshrouded area around engine exhaust for grass and debris and clean if necessary. **Diesel vehicles:** Check for grass and debris around the radiator.
	Tires	Check air pressure and adjust if necessary. **See Section 8 – Wheels and Tires.**
	Transmission and differentials	Check lubricant levels. Add if necessary. **See Lubrication Level Check for Front Differential, Transmission, and Rear Differential on page 10-12.**
	General vehicle	Wash engine compartment and underside of vehicle. Do not wash engine when hot.
Semiannual service by trained technician only (or every 50 hours of operation, whichever comes first)	Battery	Clean terminals and wash dirt from casing; check electrolyte level. Add distilled water if necessary. **See Battery on page 12a-16 (gasoline vehicles) or Battery on page 12b-20 (diesel vehicles).**
	Front wheel alignment and toe-in	Check and adjust if necessary. **See Wheel Alignment on page 7-11.**
	Electrical wiring and connections	Check for tightness and damage.

Periodic Service Schedule continued on next page...

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

- Remove the reservoir cap and inspect the brake fluid. If the brake fluid is contaminated, purge the brake fluid and refill the hydraulic system. **See Master Cylinder and Reservoir on page 6-20.**
- Check the vent holes in the reservoir cap and clean or replace as necessary.
- Check the diaphragm inside the reservoir cap and replace if damaged.

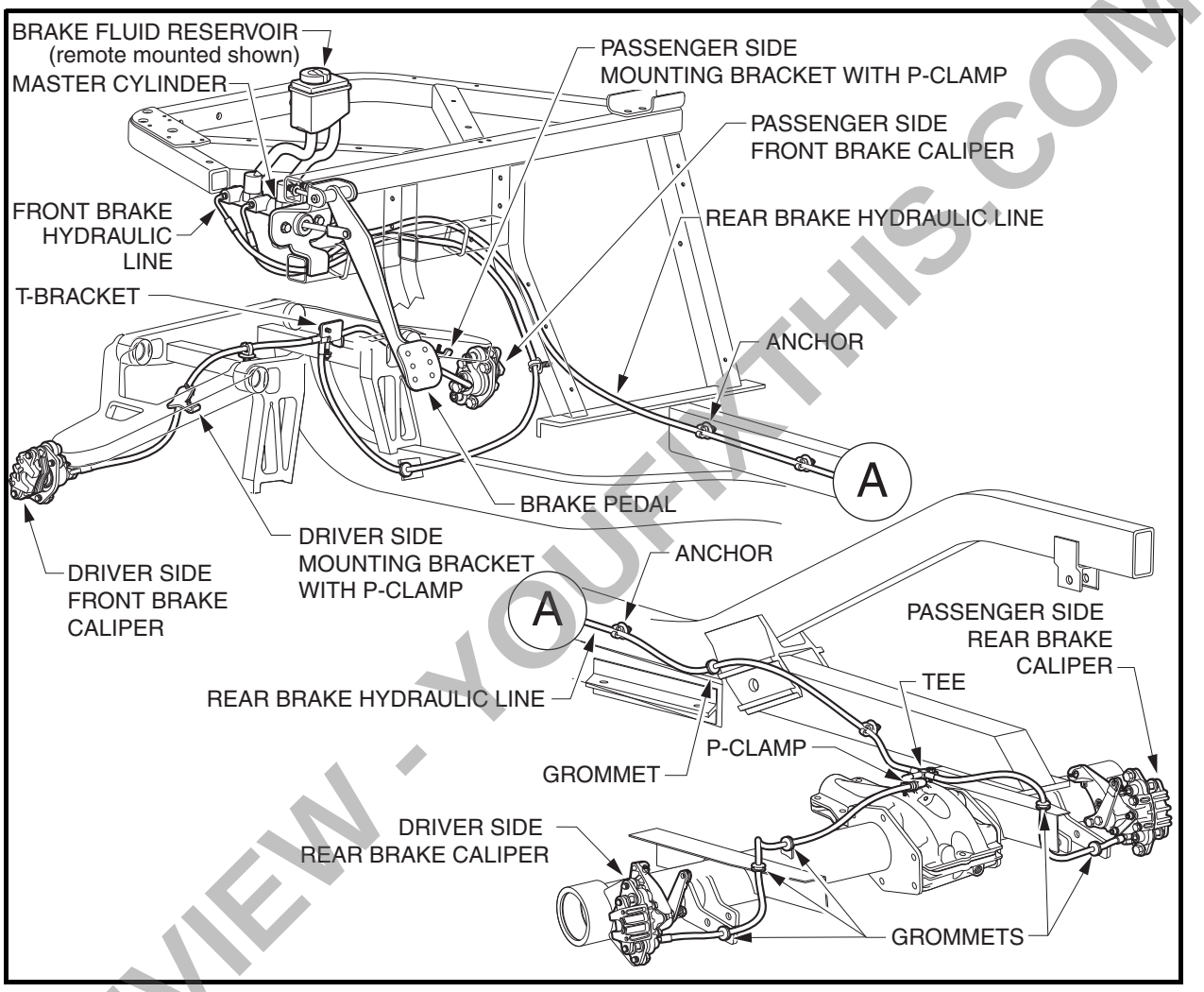


Figure 6-1 Hydraulic Disc Brake System

Brake Line Inspection

- Inspect the brake lines and fittings for leakage. They must be flexible and free of leaks, cuts, cracks or bulges. Replace as needed. **See Hydraulic Line Replacement on page 6-17.**
- Turn the steering wheel all the way from left to right and back again. Contact between the brake hoses and any other components, especially the wheels or half-shafts, will damage the brake hoses.
- Check the back side of each brake caliper assembly for signs of brake fluid leakage. If there is evidence of leakage, determine the cause and repair or replace as needed. **See Brake Pads and Caliper on page 6-5. Also See Hydraulic Line Replacement on page 6-17.**

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Front Body Components 4-3
Instrument Panel Removal 4-3
Instrument Panel Installation 4-3
Front Fascia Removal 4-4
Front Fascia Installation 4-4
Hood Removal 4-4
Hood Installation 4-4
Center Cowl Panel Removal 4-4
Center Cowl Panel Installation 4-5
Side Cowl Panel (Fender) Removal 4-5
Side Cowl Panel (Fender) Installation 4-5
Front Fender Flare Removal 4-6
Front Fender Flare Installation 4-6
Roll-Over Protective Structure (ROPS) 4-6
ROPS Removal 4-6
ROPS Installation 4-8
Seat 4-9
Seat Removal 4-9
Seat Adjustment 4-9
Seat Installation 4-9
Seat Support Removal 4-10
Seat Support Installation 4-10
Safety Belts 4-10
Safety Belt Removal 4-10
Safety Belt Installation 4-11
Cargo Bed – Electric Lift 4-11
Testing the Bed Lift Motor 4-11
Bed Lift Motor Removal 4-11
Bed Lift Motor Installation 4-12
Cargo Bed Removal 4-12
Cargo Bed Installation 4-12
Cargo Bed – Manual Lift 4-13
Cargo Bed Removal 4-13
Cargo Bed Installation 4-13
Rear Fender 4-15
Rear Fender Removal 4-15
Rear Fender Installation 4-15

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

ACCELERATOR PEDAL INSTALLATION

1. Twist the accelerator pedal assembly to return the pedal assembly into the frame location.
2. Position pedal between the frame members.
3. Secure the pedal assembly to the upper and lower frame member with bolts and locknuts.
4. Tighten hardware to 15 ft-lb (20.3 N·m).
5. Attach accelerator cable Z-shaped end to hole in pedal.
6. Connect the battery cables, positive (+) cable first, and tighten the hardware to 80 in-lb (9 N·m). Coat terminals with Battery Terminal Protector Spray (P/N CLC1014305).
7. Adjust the accelerator pedal. **See Accelerator Pedal and RPM Adjustment on page 5-2.**

ACCELERATOR PEDAL AND RPM ADJUSTMENT

1. Turn the key switch OFF, and place the Forward/Reverse handle in the NEUTRAL position. Chock the front and rear wheels.
2. Initially adjust the ground speed set screw to 3/4 inches (19 mm) as shown **(Figure 5-3, Page 5-2)**.

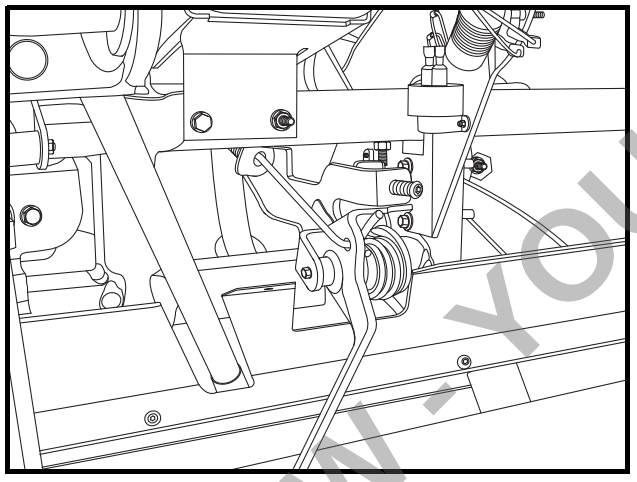


Figure 5-2 Accelerator Pedal Assembly

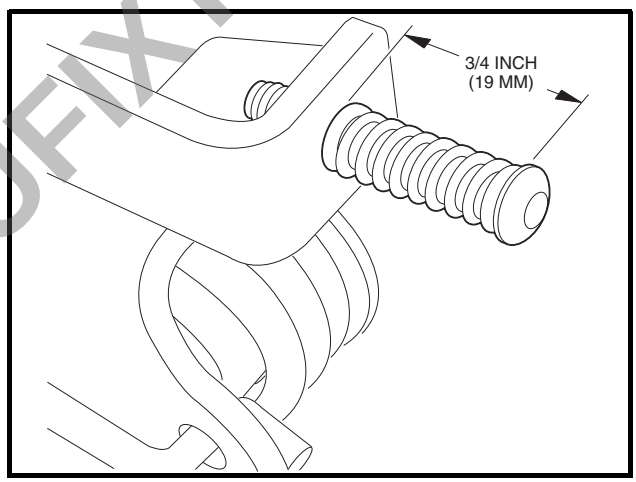


Figure 5-3 Ground Speed Set Screw Adjustment

3. Turn the key switch to start the engine. **See following DANGER.**

⚠ DANGER

- **The engine produces carbon monoxide, which is an odorless, deadly poison. Do not operate the engine in an enclosed area without proper ventilation.**

4. Press accelerator pedal and allow the engine to achieve full, steady level RPM. **See following NOTE.**

NOTE: *This process should only take a few seconds.*

5. Measure the engine RPM with a tachometer (P/N CLCAM10753) approved for this engine.
6. Release the accelerator pedal, turn the key switch to the OFF position, and remove the key.
7. Adjust the ground speed set screw against the spring to achieve 3825 ± 25 RPM. **See following NOTE.**

NOTE: *Turn the screw counterclockwise to raise the RPM and clockwise to lower the RPM.*

Use 1/4-turn adjustments, and check the RPM setting after each adjustment.

PREVIEW - YOUFIXTHIS.COM
Download full manual at youfixthis.com

Rack and Pinion Assembly, Continued:

10. Install the rack guide (5), pressure spring (6), and screw (7). Thread-in the screw until it bottoms out, and then unscrew it 1/4 turn **(Figure 7-16, Page 7-8)**.

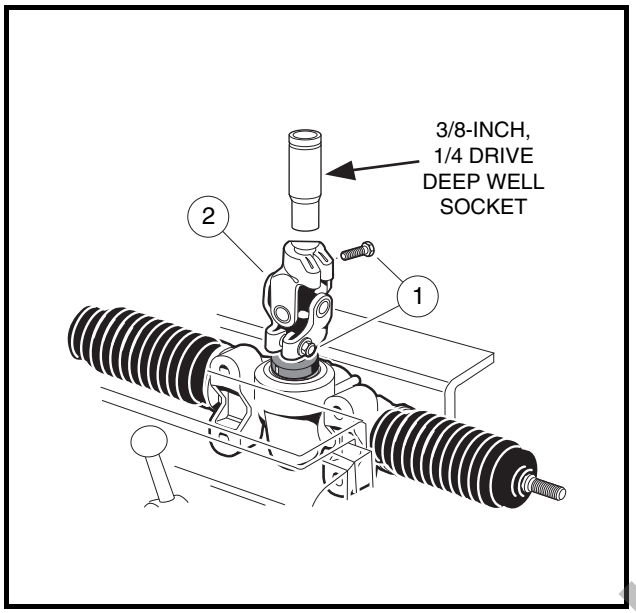


Figure 7-19 Adjust Rack and Pinion Resistance

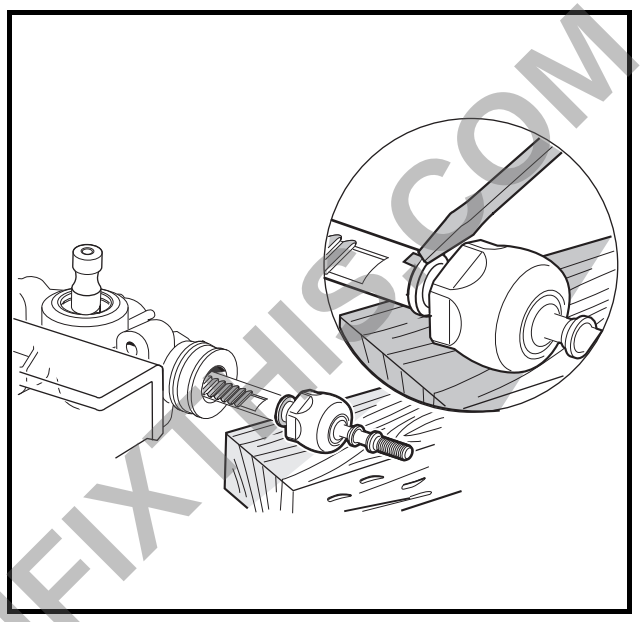


Figure 7-20 Install Inner Ball Joint

11. Insert a 3/8-inch, 1/4-drive deep-well socket into the steering column end of the universal joint (2), and tighten the bolts (1) to 15 ft-lb (20.3 N·m) **(Figure 7-19, Page 7-10)**.
12. Connect a torque wrench to the 3/8-inch deep-well socket, and measure the resistance of the rack and pinion. Rotational resistance should measure 7 to 15 in-lb (0.8 to 1.7 N·m).
13. If the measured resistance is not 7 to 15 in-lb (0.8 to 1.7 N·m), adjust the screw (7) until the setting is correct. Tighten the nut (8) to 28 ft-lb (38 N·m) **(Figure 7-18, Page 7-9)**. **See following NOTE.**

NOTE: *When the nut (8) is tightened, make sure the screw (7) adjustment does not change* ***(Figure 7-18, Page 7-9)****.*

14. Install the two dust seal bellows (10) **(Figure 7-9, Page 7-5)**.
15. Secure the bellows with new bellows clamps or wire ties.
16. Apply a light coat of anti-seize lubricating compound to the inner ball joint threads to minimize corrosion.
17. Loosely install and advance the two nuts and drag links to the inner ball joint **(Figure 7-8, Page 7-5)**. Nuts will be tightened during the toe-in adjustment procedure. **See Toe-in Measurement on page 7-11.**
18. Apply a light coat of anti-seize lubricating compound to the drag link threads.
19. Loosely install the two nuts and drag link ball joints. Advance the ball joints and nuts onto the drag link ends **(Figure 7-7, Page 7-5)**. Nuts will be tightened during the toe-in adjustment procedure. **See Toe-in Measurement on page 7-11.**
20. Install the rack and pinion assembly. **See Rack and Pinion Installation on page 7-4.**

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

TEST PROCEDURES

INDEX OF TEST PROCEDURES

1. Battery
2. Fuse
3. Ground Cables
5. Key Switch (Starter Circuit)
6. Starter Control Circuit
7. Start Relay
8. Carburetor Heater Relay
9. Wire Harness Diodes
10. Neutral Switch (Transmission)
11. Wire Continuity
12. Front Differential Limit Switch
13. Front Drive Gearcase Coil
14. Charge Coil
15. Voltage Regulator
16. Ignition Spark
17. Engine Kill Wire
18. Grounded Kill Wire
19. Key Switch (Engine Kill Circuit)
20. Reverse Warning Buzzer Limit Switch (If Equipped)
21. Reverse Warning Buzzer (If Equipped)
22. Carburetor Solenoid Circuit
23. Low Oil Warning Light Circuit
24. 12-Volt Accessory Receptacle
25. Fuel Level Sending Unit
26. Fuel Gauge
27. Hour Meter
28. Light Switch
29. Voltage at Headlight Socket
30. Bed Lift Motor
31. Bed Lift Switch
32. Bed Lift Circuit Breaker

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

8. Hold the hydrometer vertically and ensure that the float does not contact the sides of the glass tube. Hold the hydrometer at eye level and read the scale at the level of electrolyte **(Figure 11b-3, Page 11b-10)**.
9. Record the reading.
10. Return the electrolyte to the cell from which it was taken. Replace vent cap.
11. Repeat steps 4 through 10 on all cells.

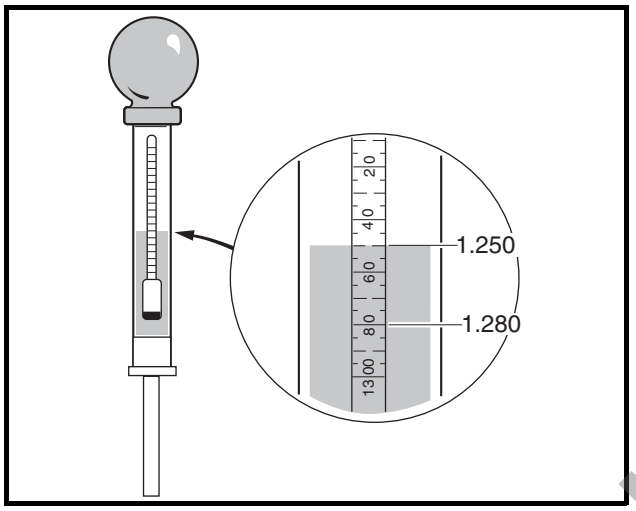


Figure 11b-3 Hydrometer Test

View at eye level.

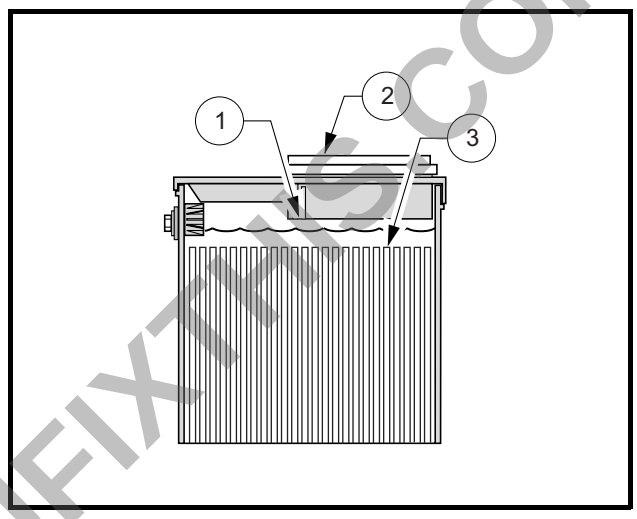


Figure 11b-4 Battery Electrolyte Level

1. Level Indicator 2. Cap 3. Plates
Electrolyte level at least 1/2 inch (13 MM) above plates or to level indicator.

Hydrometer Calibration

Most hydrometers are calibrated to read correctly at 80 °F (27 °C). The readings obtained as described above must be corrected for temperature. For each 10 °F (5.6 °C) above 80 °F (27 °C), add 0.004 to the reading. For each 10 °F (5.6 °C) below 80 °F (27 °C), subtract 0.004 from the reading.

Interpreting the Results of the Hydrometer Test

Use the following table to determine the approximate state of charge:

SPECIFIC GRAVITY (TEMPERATURE CORRECTED)	APPROXIMATE STATE OF CHARGE
1.250-1.280	100%
1.220-1.240	75%
1.190-1.210	50%
1.160-1.180	25%

If the difference between the cells is 0.020 or more, the low cell should be suspected of poor performance. It may require a catch-up charge or it may be a weak cell. When the variations between cells reach 0.050 or more, the battery should be replaced.

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

4. Connect the battery cables, positive (+) cable first, and tighten the terminals to 80 in-lb (9 N·m). Coat terminals with Battery Terminal Protector Spray (P/N CLC1014305).

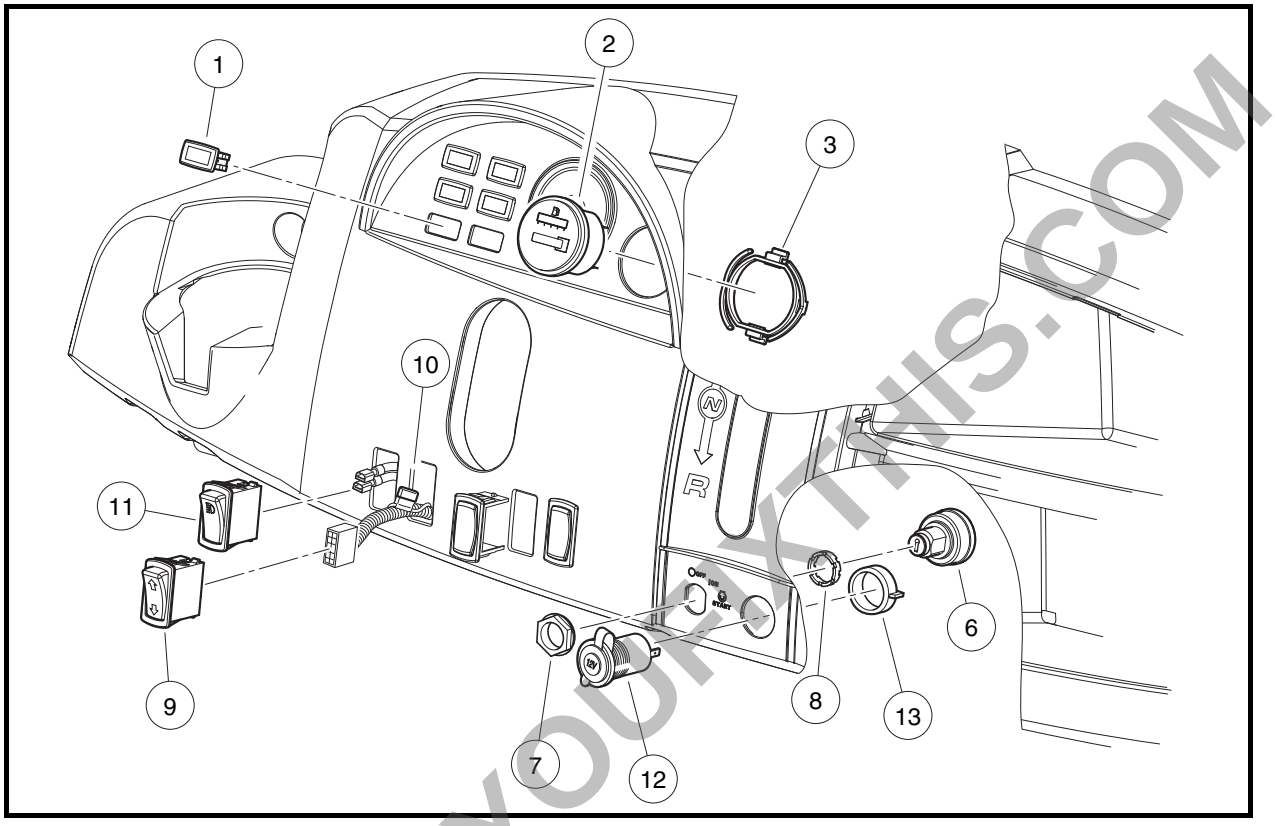


Figure 12a-6 Instrument Panel Electrical Components

FUEL GAUGE/HOUR METER

See General Warning, Section 1, Page 1-2.

Testing the Fuel Gauge/Hour Meter

See Test Procedure 26, Section 11a, Page 11a-33. Also see Test Procedure 27 – Hour Meter on page 11a-34.

With the key switch in the OFF position, the fuel gauge field is blank; however, the hour meter field is always ON. When the key switch is turned to ON, the fuel gauge field activates. The fuel gauge initially registers full before indicating the actual fuel level.

The hour meter displays the number of hours of use in increments of 0.1 (one tenth) hour, but does not record additional time unless the key switch is in the ON position and the engine is on. When recording, the hourglass icon blinks.

Fuel Gauge/Hour Meter Removal

1. Turn the key switch OFF and remove the key. Place the Forward/Reverse handle in NEUTRAL. Chock the wheels.
2. Disconnect the battery cables as instructed. **See WARNING "To avoid unintentionally starting..." in General Warning, Section 1, Page 1-3.**

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

3. Secure the engine oil inlet and outlet hoses to the engine ports with new clamps. **See Oil Filter Hose Installation on page 13a-6.**

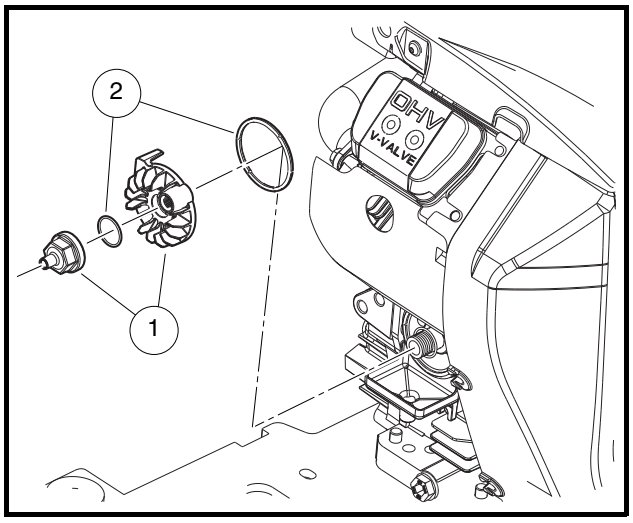


Figure 13a-2 Secure Oil Adapter to Engine

4. Loosely install new flange-head bolts (8) up through engine plate and into engine mounting base. **See following NOTE.**

NOTE: *Engine mounting bolts will be tightened after the engine and transmission are aligned, the clutch inner cover is installed, and the cover bolts are tightened to maintain the alignment.*

5. Connect all electrical connections. **See Figure 11a-1, Section 11a, Page 11a-6.**
   5.1. Connect the engine harness to the chassis harness.
   5.2. Connect all wires attached to the two terminal posts on the starter solenoid.
6. Use new gaskets (11) and install the exhaust manifold **(Figure 13a-1, Page 13a-2)**. Tighten the hardware to 21 ft-lb (28 N·m).
7. Install the clutch inner cover (6). **See Clutch Inner Cover Installation on page 13a-41.**
8. Tighten the engine mounting bolts (8) to 39 ft-lb (53 N·m).
9. Install the clutches (5). **See Drive Clutch Installation on page 13a-35. Also See Driven Clutch Installation on page 13a-39.**
10. Install the drive belt. **See Drive Belt Installation on page 13a-32.**
11. Install the clutch outer cover. **See Clutch Outer Cover Installation on page 13a-40.**
12. Install the intermediate exhaust pipe. **See Intermediate Pipe Installation on page 13a-7.**
13. Install the muffler. **See Muffler Installation on page 13a-8.**
14. Install the engine front cover (2) and tighten the screws to 54 in-lb (6 N·m).
15. Connect the choke cable. **See Choke Cable Installation on page 13a-24.**
16. Connect the accelerator cable. **See Accelerator Cable Installation on page 13a-22.**
17. Install the engine air inlet hose (4). **See Air Filter Outlet Hose Installation on page 13a-29.**
18. Secure the fuel line to the fuel pump (3) with a new clamp. **See following DANGER.**

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

7. Install the clutch outer cover. **See Clutch Outer Cover Installation on page 13b-34.**
8. Using new gasket, slide exhaust system forward and secure the manifold pipe to the exhaust manifold. **See Manifold Pipe Installation on page 13b-6.**
9. Tighten the hardware that secures the muffler. **See Muffler Installation on page 13b-7.**
10. Attach the air filter outlet hose to the intake manifold. **See Air Filter Outlet Hose Installation on page 13b-25.**
11. Connect the two black ground wires (13) to the engine block and tighten the bolt to 39 ft-lb (53 N·m).
12. Connect the red wires (12) to starter solenoid and tighten the nut and lock washer to 90 in-lb (10.3 N·m).
13. Connect the green wire (10) to the starter solenoid and the blue wire (11) to the white solenoid wire **(Figure 13b-2, Page 13b-2)**.
14. Connect the oil pressure switch connector (9) to the wire harness.
15. Connect the thermostat switch connector (8) to the wire harness **(Figure 13b-2, Page 13b-2)**.
16. Connect the fuel solenoid valve three-pin connector (7) to the engine **(Figure 13b-1, Page 13b-2)**.
17. Connect the accelerator cable sheath (6) to the engine bracket **(Figure 13b-1, Page 13b-2)**.
18. Connect the accelerator cable (5) to the throttle lever.
19. Remove the plug and secure the fuel return line (4) to the engine relief valve with a new clamp **(Figure 13b-1, Page 13b-2)**. **See following DANGER.**

⚠ DANGER

- **Diesel fuel! Flammable! Explosive! Do not smoke. Keep sparks and flames away from the vehicle and service area.**
- **To prevent fuel from siphoning, keep the fuel supply line above the fuel level in the fuel tank when removing the plug.**

20. Remove the plug and secure the fuel supply line (3) to the fuel injector assembly (vehicles with electric fuel pump) or the engine mounted fuel pump (vehicles with mechanical fuel pump) with a new clamp **(Figure 13b-1, Page 13b-2)**. **See previous DANGER.**
21. Bleed air from the fuel system, if necessary, and check for leaks. **See Bleeding Air From Fuel System on page 13b-9.**
22. Attach the overflow/bypass hose (2) to the thermostat cover and secure with new clamp.
23. Attach the upper (1) and lower radiator hoses to the engine and secure with new clamps.
24. Refill the engine and radiator coolant system. **See Engine Coolant Change, Section 15, Page 15-1.**
25. Install seat frame and lower ROPS (Roll Over Protection Structure). **See Seat Support Installation, Section 4, Page 4-10.**
26. Install the upper ROPS frame. **See ROPS Installation, Section 4, Page 4-8.**
27. Install the cargo bed. **See Cargo Bed Installation, Section 4, Page 4-12.**
28. Check the engine oil level. **See Engine Oil Level Check, Section 10, Page 10-7.**
29. Connect the battery cables, positive (+) cable first, and tighten the hardware to 80 in-lb (9 N·m). Coat terminals with Battery Terminal Protector Spray (P/N CLC1014305).
30. Adjust the engine RPM setting if required. **See Engine RPM Adjustment on page 13b-20.**
31. Install both seats.
32. Test-drive the vehicle to ensure all systems are functional and adjusted correctly.

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

18. Support the rear driveshaft and slide the rear axle out of the driveshaft universal joint and away from the swing arm brackets. **See preceding NOTE.**

19. Move the rear axle to a safe area away from the vehicle. **See previous NOTE.**

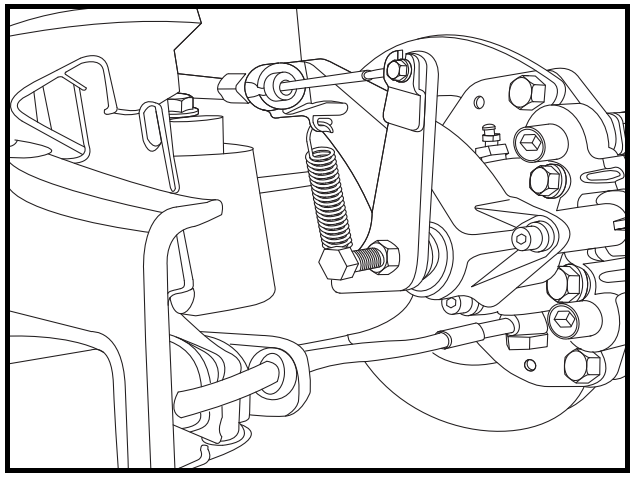


Figure 14-15 Park Brake Cable and Hex-Head Bolts

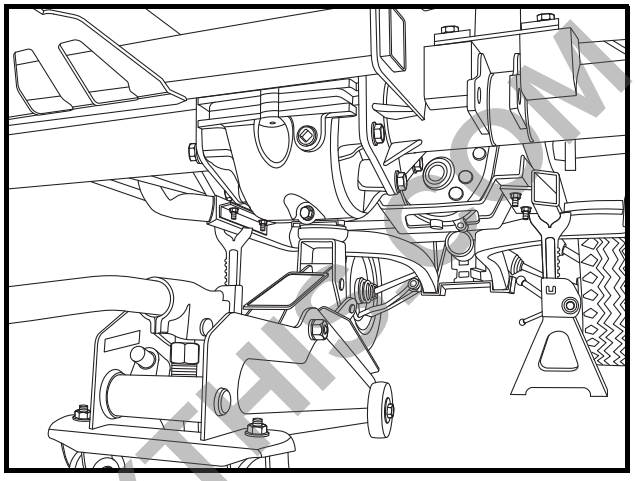


Figure 14-16 Position Floor Jack Under Differential

REAR AXLE INSTALLATION

NOTE: *These procedures are best performed with the help of an assistant.*

1. Support the differential with a floor jack and place the rear axle under the vehicle, just below the swing arms.

2. Support the longest end of the axle assembly and raise the axle up to the swing arm axle mounting plates.

3. With roll pin holes aligned, slide the differential pinion shaft into the driveshaft universal joint.

4. Center roll pin holes and drive a new roll pin into place. **See following NOTE.**

NOTE: *The roll pin should be slightly below the surface on both sides of the coupling.*

Use a 1/4-inch roll pin punch to drive the roll pin into place.

5. Secure the axle to the outside of the swing arms at four locations with new bolts and washers. If new bolts are not available, clean existing bolts and add Loctite 2760 per instructions. Finger-tighten the hardware.

6. Secure the rear receiver hitch to the inside of the swing arms and axle at four locations with new bolts and washers. If new bolts are not available, clean existing bolts and add Loctite 2760 per instructions. Finger-tighten the hardware.

7. Tighten all eight axle mounting bolts to 95 ft-lb (129 N·m).

8. Secure shock absorbers to axle **(Figure 14-17, Page 14-11)**. **See following NOTE.**

NOTE: *Hydraulic brake line brackets fit to the right side of both lower shock mounts.*

Download full manual at youfixthis.com

PREVIEW - YOUFIXTHIS.COM

16. Position the small helical gear end of intermediate shaft against a steel plate on a press platen **(Figure 16-75, Page 16-22)**.

17. Press a new bearing onto large helical gear bearing race until the bearing inner race is flush with the end of the intermediate shaft.



Figure 16-75 Large Helical Gear Bearing

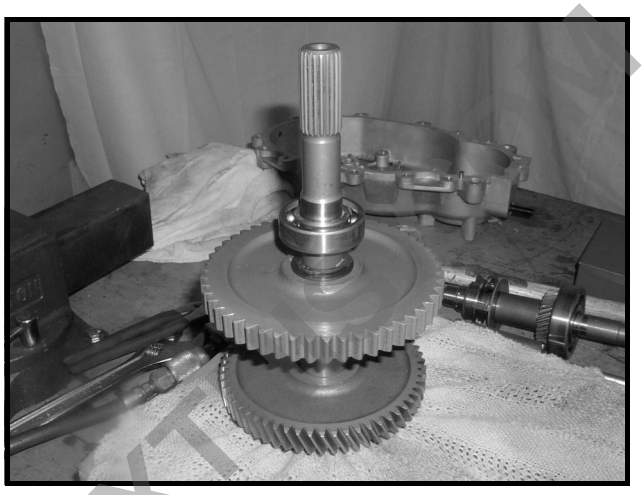


Figure 16-76 Output Shaft Assembly on Fixture

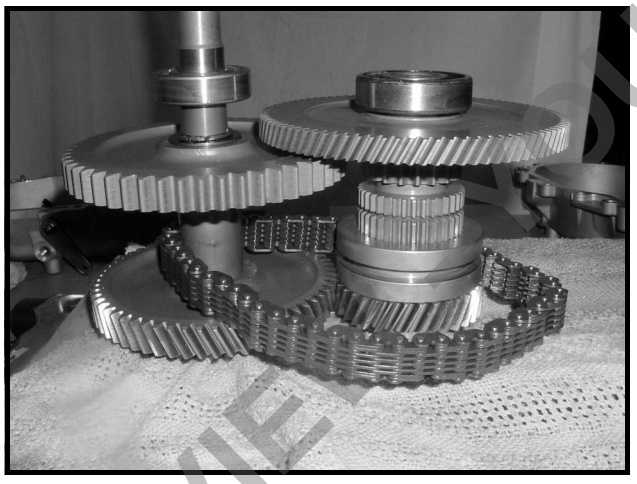


Figure 16-77 Shafts and Gears Assembly

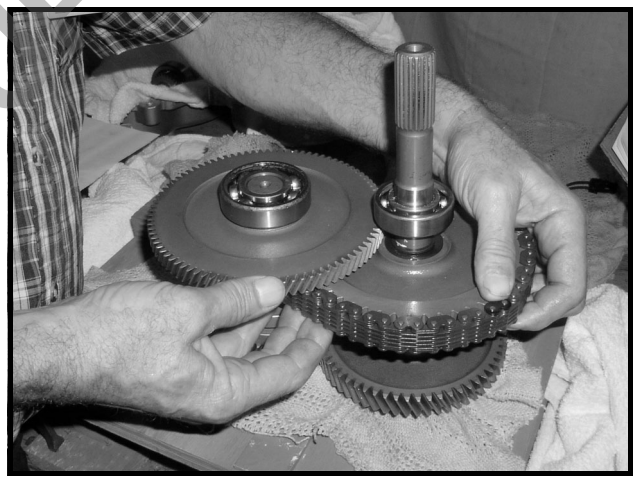


Figure 16-78 Attach Chain

INTERMEDIATE AND OUTPUT SHAFT ASSEMBLY

1. Position the output shaft assembly on the service fixture with the large chain sprocket and bearing up and the helical gear end of the output shaft down through the shaft hole in the service fixture **(Figure 16-76, Page 16-22)**.

2. Slip the chain over the large chain sprocket on the output shaft **(Figure 16-77, Page 16-22)**.

3. Place the small helical gear end of the intermediate shaft down into the chain and lift up on the chain, placing it on the small sprocket and slide the intermediate shaft assembly next to the output shaft.

4. Begin working the chain onto the large chain sprocket, lifting it up as it's being attached to the sprocket. **See following NOTE.**

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 18 of 428 pages

The full manual includes:

- All 428 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

New Holland Rustler™ 125 Gasoline, Rustler™ 120 Diesel, New Holland Rustler 125 Gasoline, New Holland Rustler 120 Diesel Service Manual



Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual