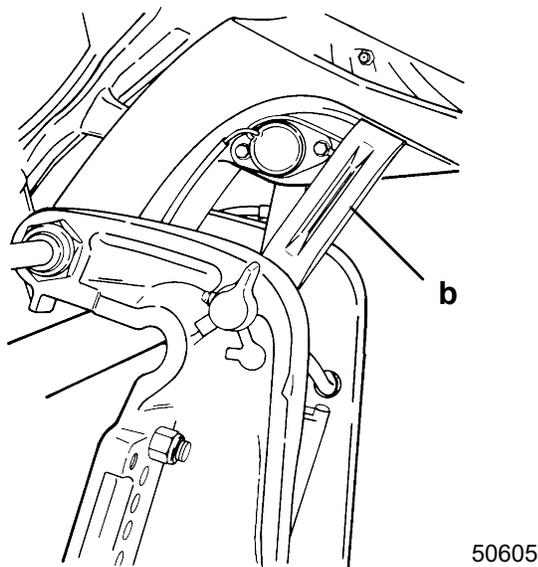
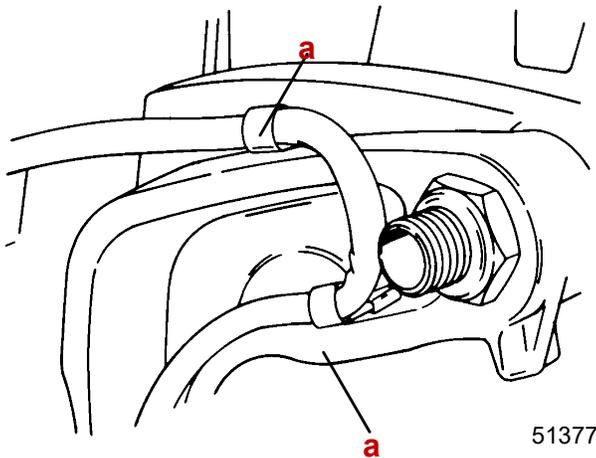




Power Trim Assembly Removal and Installation

Removal

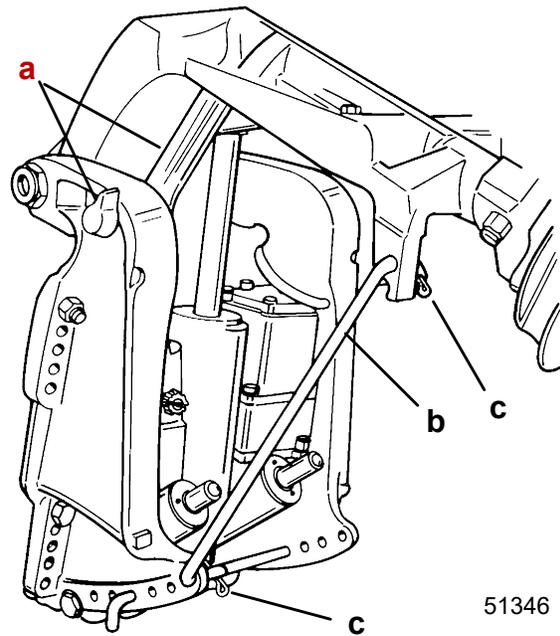
1. Remove clamps on transom bracket to free power trim wiring.
2. Raise outboard to full "Up" position and engage tilt lock lever.



- a - Clamps
- b - Tilt Lock Lever

⚠ WARNING

Failure to support outboard as shown could result in personal injury and/or damage to outboard or boat.

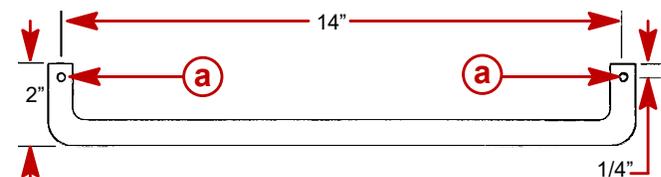


- a - Tilt Lock Lever
- b - Support Tool
- c - Retaining Clips

IMPORTANT: Support outboard as shown above to prevent engine from tipping when power trim retaining pin is removed.

SUPPORT TOOL

3/8 in. diameter metal rod (a used shift shaft works well)



a - Drill holes for retaining clips

METRIC CONVERSION

14 in. = 35.56 cm.

2 in. = 50.8 mm

3/8 in. = 9.5 mm.

1/4 in. = 6.35 mm.

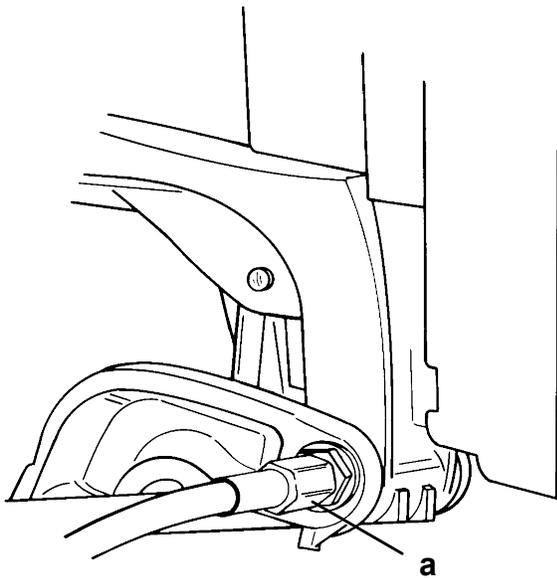
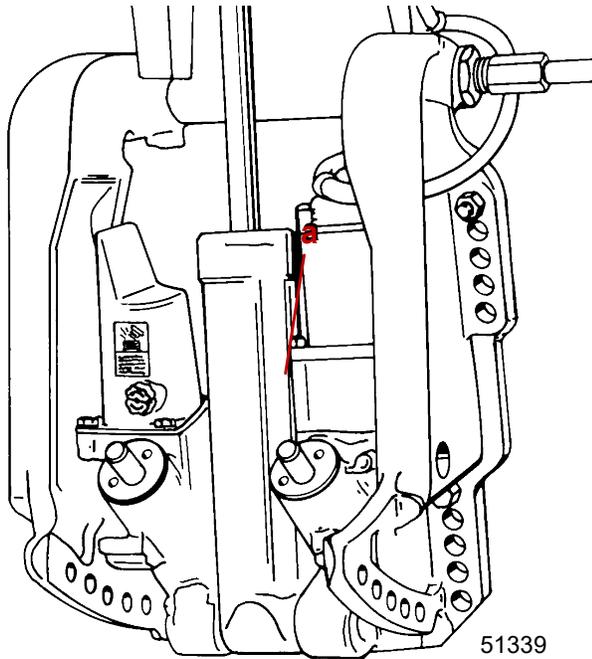
⚠ CAUTION

Disconnect battery cables at battery before removing power trim wires from solenoids.

3. Disconnect power trim wires at solenoids (BLUE, GREEN, and BLACK) or if relay style, disconnect (BLUE and GREEN) bullet connector harness.
4. Open filler cap and release any remaining pressure in the system.



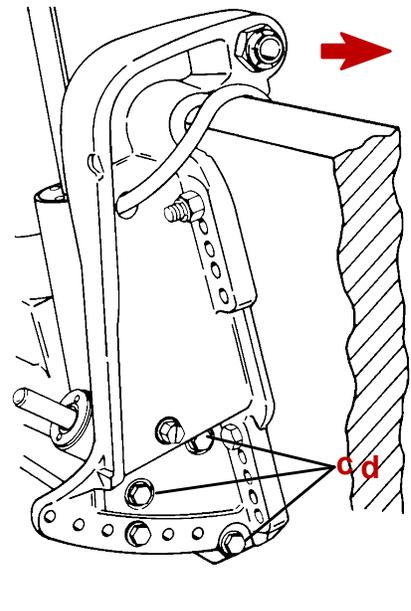
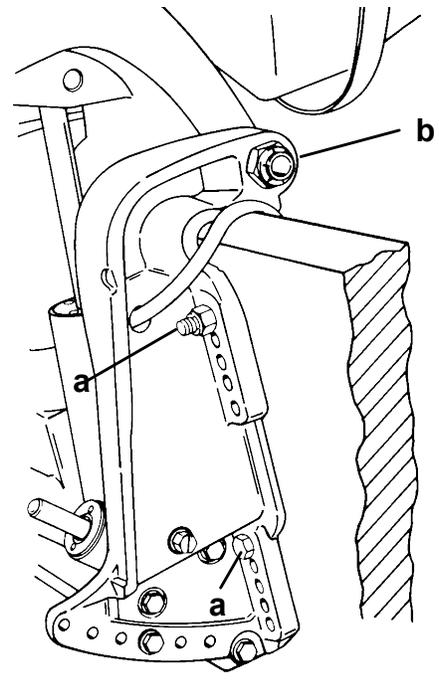
IMPORTANT: Outboards equipped with thru-the-tilt-tube steering - remove steering link arm from end of steering cable and cable retaining nut from tilt tube.



- a - Filler Cap
- b - Retaining Nut

5. Remove outboard transom mounting bolts, and loosen tilt tube nut until nut is flush with end of tilt tube thread.

6. Remove 3 screws and washers and move starboard transom bracket.

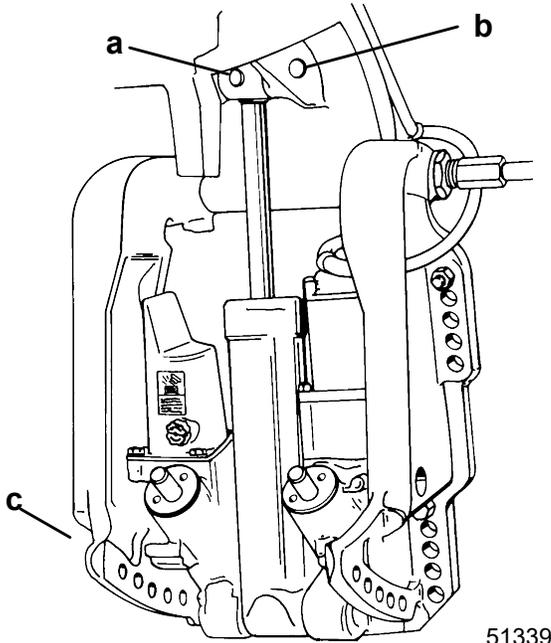


- a - Transom Mount Bolts (2)
- b - Tilt Tube Nut (flush with end of thread)
- c - Screws (3)
- d - Washers (3)

IMPORTANT: Cross pin (a) should not be reused. Replace with new cross pin.



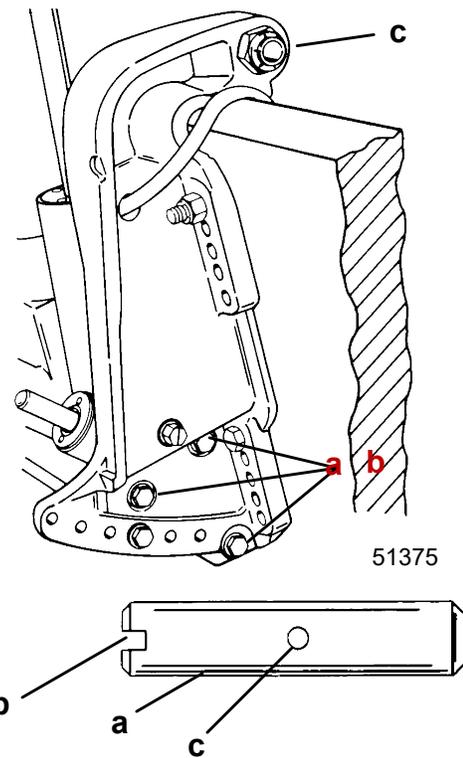
7. Drive out cross pin, push out upper swivel pin, and remove 3 screws and washers retaining trim system. Remove system from outboard.



- a - Cross Pin
 b - Upper Swivel Pin
 c - Port Transom Bracket Screws and Washers (3). Remove to Release Trim System from Outboard.

Installation

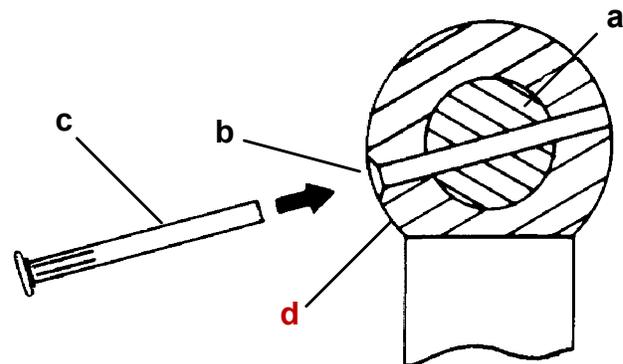
1. Paint any exposed metal surfaces to prevent corrosion.
2. Apply Loctite 271 to screws. Install trim system, starboard transom bracket, and tilt tube nut.
3. Use a 12 volt power source to extend tilt ram up to align upper swivel shaft hole and end of ram. Connect trim motor wires [BLUE wire to POSITIVE (+), BLACK wire to NEGATIVE (-)]. If ram extends too far, retract ram by connecting GREEN wire to POSITIVE (+).
4. Install Upper Swivel Pin with slotted end to left (port) side of engine.



- a - Screw (6) Torque to 40 lb. ft. (54.0 N·m)
 b - Lockwasher (6) Install one per screw
 c - Tilt Tube Nut
 d - Upper Swivel Pin
 e - Slotted end
 f - Cross hole (in line with slotted end)

IMPORTANT: Cross pin should not be reused. Install a new pin.

5. Position slot on end of swivel shaft in line with hole in tilt ram end. Insert a punch into tilt ram hole to align cross hole in upper swivel shaft. Tap new cross pin in until flush.

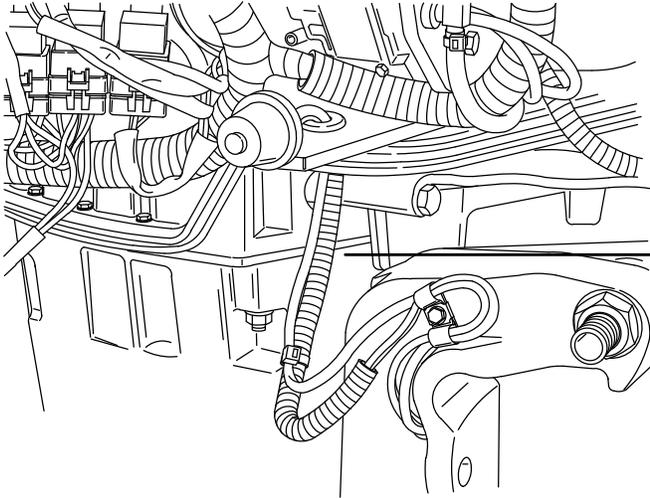


- a - Upper Swivel Shaft (Slot is in line with cross hole)
 b - Chamfered End of Hole (Faces away from transom)
 c - Retaining Pin
 d - Tilt Ram End

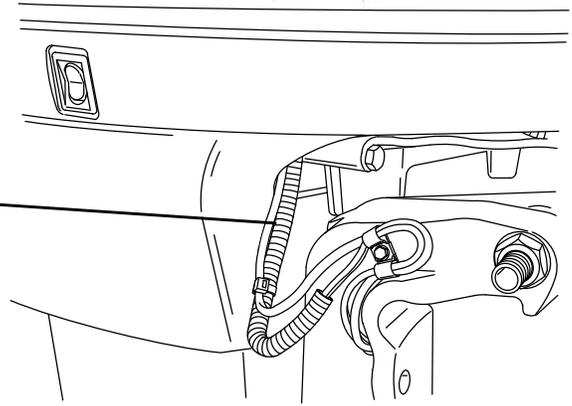
6. Connect trim motor wires to solenoids. Refer to Wiring Diagrams in this manual. Route trim wires as specified in this manual.



NOTE: The 2 power leads going to the trim motor should be encapsulated with conduit tubing. If tubing has not been previously installed, order 32-828547-353 and cut to appropriate length.



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a - Conduit Tubing

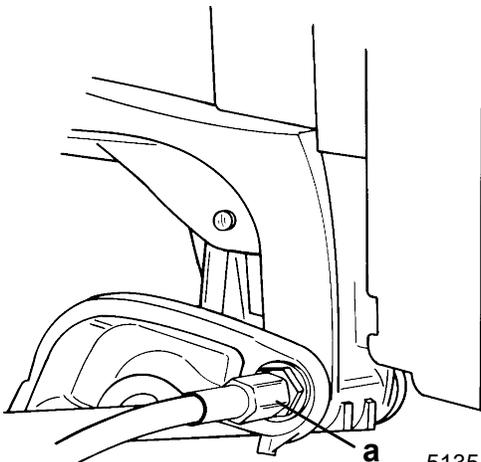
7. Apply marine sealer to shanks of mount bolts and install transom mount bolts.

IMPORTANT: Do not use an impact driver to tighten transom mount bolts.

Apply marine sealer to threads of mount bolts. Secure with flat washers and locknuts. Be sure installation is watertight.

8. Tighten tilt tube nut securely.

IMPORTANT: Outboards equipped with thru-the-tilt-tube steering: Tighten steering cable retaining nut securely to tilt tube.



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a - Steering Cable Retaining Nut

9. Apply Quicksilver Liquid Neoprene (91-25511--2) on all electrical connections.

⚠ WARNING

Electrical wires passing through cowl openings must be protected from chafing or being cut. Follow the recommended procedures outlined in Section 1D of this Manual. Failure to protect wires as described could result in electrical system failure and/or injury to occupants of boat.

Testing Power Trim System With Test Gauge Kit (91-52915A6)

IMPORTANT: This test will not locate problems in the trim system. The test will show if the system is correct after a repair. If minimum pressures are not obtainable, the trim system requires additional repair.

“UP” Pressure Check

IMPORTANT: Insure battery is fully charged before performing tests.

1. Tilt outboard to full “Up” position and engage tilt lock lever.
2. Slowly remove “Fill” plug to bleed pressure from reservoir.
3. Remove circlip securing manual release valve and unscrew release valve from trim assembly.