REPAIR INSTRUCTIONS > FOLDING TOP PUMP WITH MOTOR REPLACEMENT
> REMOVAL PROCEDURE

Fig 1: View Of Folding Top

Courtesy of GENERAL MOTORS CORP.

⚠️ CAUTION: Refer to Eye Protection Caution in Cautions and Notices.

⚠️ CAUTION: Refer to Folding Top Hydraulic Pressure Caution in Cautions and Notices.

⚠️ CAUTION: Refer to Servicing Electrical Components Caution in Cautions and Notices.

1. Place the folding top in the up position.

2. Open the rear compartment.

3. Disconnect the battery. Refer to Battery Negative Cable Disconnect/Connect Procedure in Engine Electrical.
4. Lower the rear compartment partition (1).

5. Place a protective covering over the rear compartment interior and the adjacent body panels.

6. Remove the side compartment trim. Refer to Compartment Side Trim Replacement - LH Rear in Body Rear End.

7. Locate the hydraulic pump beneath the carpet in the storage compartment on the driver side of the rear compartment.
8. Turn the hydraulic pump bypass valve (1) counterclockwise until the valve stops.

9. Support the rear compartment lid.
10. Remove the 3 electrical connectors (1) from the hydraulic pump bracket (2).
11. Remove the 2 electrical connectors (1) from the hydraulic pump bracket (2).
12. Disconnect the 3 electrical connectors (1) from the folding top control module.
13. Remove the bolts (1) from the hydraulic pump bracket.

14. Lift the pump up and out of the storage compartment and set the pump on the protective covering.
15. Remove the reservoir filler plug (1).
16. Remove the bolts (1) from the pump manifold plate.

17. Disengage the cylinder hoses by pulling straight up on the hoses.
18. Carefully lift up on the manifold plate (1).
19. Remove the hoses by pulling the hoses straight up from the pump. Use a clean shop towel to control any hydraulic fluid leakage.

20. Remove the hydraulic pump from the vehicle.
21. Remove the O-ring (1) from each hose.

**REPAIR INSTRUCTIONS > FOLDING TOP PUMP WITH MOTOR REPLACEMENT > INSTALLATION PROCEDURE**
1. Install a new O-ring (1) on each cylinder hose.
2. Align the manifold plate bolt holes to the holes on the new pump. This will ensure that the cylinder hoses are placed in the correct port.

3. Align the cylinder hoses into each port and push down until the hoses are seated properly in the hydraulic pump manifold.
4. Install the manifold plate bolts (1). Do NOT tighten.
Fig 4: View Of Manifold Plate & Hoses

5. Push down on the manifold plate (1) and verify that all of the cylinder hoses are seated properly.

**Tighten:** Tighten the bolts to 10 N.m (89 lb in)
6. Install the reservoir filler plug (1).
7. Position the hydraulic pump to the mounting location.

8. Apply Loctite® Blue, GM P/N 12345382 (Canadian P/N 10953489) or equivalent to the bolts.

9. Install the bolts (1) to the hydraulic pump bracket.

   **Tighten:** Tighten the bolts to 18 N.m (13 lb ft).
10. Connect the 3 electrical connectors (1) to the folding top control module.
11. Install the 2 electrical connectors (1) to the hydraulic pump bracket (2).
12. Install the 3 electrical connectors (1) to the hydraulic pump bracket (2).

13. Add fluid as needed. Refer to Folding Top - Adding Fluid.


15. Remove the protective covering.
16. Turn the pump bypass valve (1) clockwise until the valve stops.
17. Raise the rear compartment partition (1).

18. Connect the battery. Refer to Battery Negative Cable Disconnect/Connect Procedure in Engine Electrical.

19. Remove the rear compartment lid support.

20. Close the rear compartment.


22. Inspect the hydraulic system for fluid leaks.

23. Inspect the hydraulic system fluid level and add fluid as needed. Refer to Folding Top - Adding Fluid.

24. Inspect the folding top for proper operation. Refer to Power Folding Top Description and Operation.