

# **Component Procedures: Convertible Top Hydraulic Fluid**

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## Folding Top Fluid Addition (Article 13126)

### Check Fluid Level

- When servicing the hydraulic system do not allow the fluid level to drop below the minimum indicator line on the reservoir. The Rear Seat Back and Insulator pad must be removed to view the level mark on the reservoir. Refer to Rear Seat Back Pad Replacement .
- Inspect the hydraulic fluid level with the vehicle parked on a level surface, the folding top in the closed position.
- Use only approved hydraulic fluid for Hydraulic Folding Top Pump GM P/N 88901975, fluid should be green in color.
- When new, the power folding top hydraulic fluid is golden clear. As the system is cycled, it picks up the carbon black from the numerous O-ring seals used in the system. The carbon black acts like a dye and causes the fluid to darken considerably and take on a black appearance. This is a normal occurrence and no repair attempts should be performed, as replacement fluid will also darken.
- Fluid should be between the Min and Max level lines of the label on the fluid reservoir when the Roof is in the closed position/ hydraulic cylinders extended. It is recommended to use a flashlight to view the fluid level.

### Adding Hydraulic Fluid to the Folding Top Pump Reservoir

- Remove the tonneau cover if installed on the vehicle.
- Park the vehicle on a level surface
- Remove rear seat back and insulator pad. Refer to Rear Seat Back Pad Replacement .
- Remove the trim cover located in the center top of the rear trim that conceals the access hole for the hydraulic pressure release valve bolt.
- Manual release valve is operated with a 6mm internal hex wrench. Open valve by turning it counterclockwise, no more than one full turn.
- Place the folding top in the up /closed position. If Folding Top is inoperable then it can be raised manually at this point.
- Remove the rear compartment trim to access folding top pump and motor, Reposition the folding top pump and motor without disconnecting the hydraulic lines. Refer to Folding Top Pump with Motor Replacement .
- Place protective covering on the load floor, wrap the pump and motor in shop towel to control any hydraulic fluid spillage.
- Remove the 13mm Hex fill plug. With pump level fill/ folding top closed position, fill reservoir (1) until the fluid level is between the min and max lines on the reservoir fluid label. Click for full-size image
- Remove the 13mm Hex fill plug.
- With pump level fill/ folding top closed position, fill reservoir until the fluid level is between the min and max lines on the reservoir fluid label.
- If the system has been extremely low on fluid it may be necessary to bleed air out of the hoses and cylinders. Do the following:
  - Install the pump and bracket,
  - Ensure that the Manual Bypass Valve is closed.
- Operating the folding top open and close fully 3 - 4 times or until air noise is no longer heard. It may take a few tries to complete this.
- Refilling the reservoir and bleed before enough air is purged.
- When finish verify that the fluid level is between the Min and Max lines with the folding top pump and closed.
- Ensure that the fill plug and wipe pump and motor clean. Tighten Tighten the plug to 2 Nm (18 lb in). Tighten the plug to 2 Nm (18 lb in).
- Install the rear seat back and insulator pad. Refer to Rear Seat Back Pad Replacement .
- Install all rear compartment trim when the folding top pump was removed. Refer to Folding Top Pump with Motor Replacement .
- Close the rear compartment.
- Inspect the folding top for proper operation. Refer to Power Folding Top Description and Operation .