

Hydraulic System, Lift Cylinder and Motor

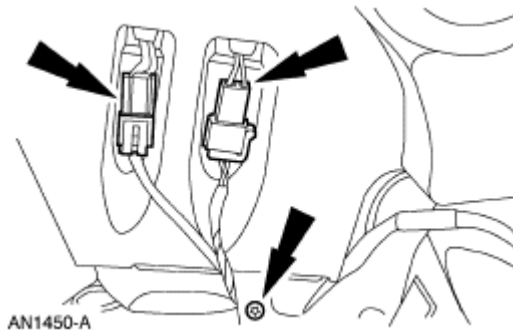
Removal

NOTE: The convertible top hydraulic components are removed from the vehicle as an assembly. The hydraulic components are individually repaired and the system must be bled before being installed into the vehicle.

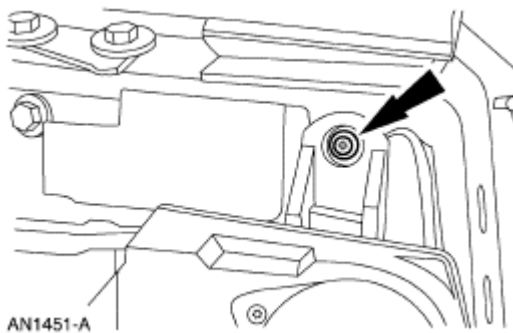
Hydraulic system

1. Unlatch the convertible top.
2. Remove the rear quarter trim panel. For additional information, refer to [Section 501-05](#).
3. **NOTE:** This step applies to vehicles equipped with the Mach sound system.

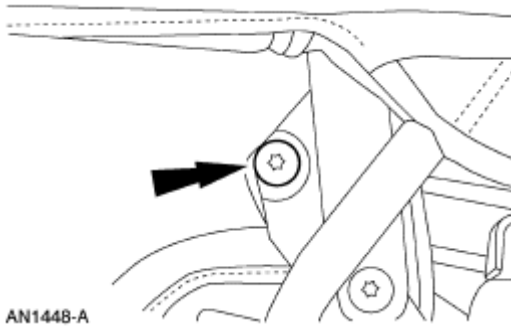
Remove the screw and disconnect the electrical connectors.



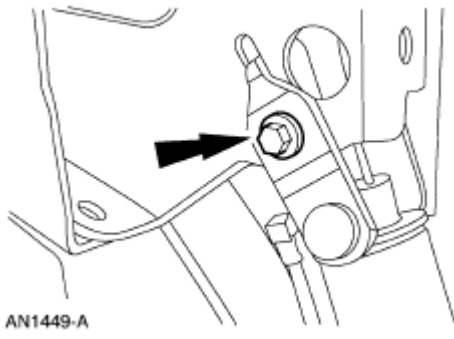
4. Remove the screws.



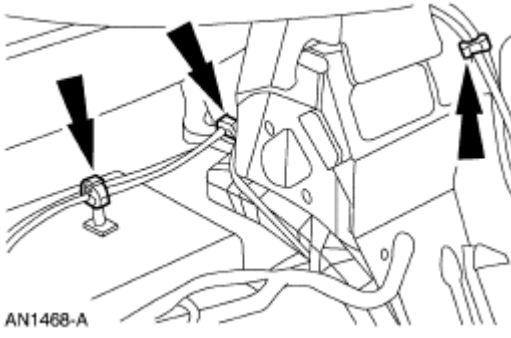
5. Remove the speakers.
6. Remove the two cylinder rod mounting bolts.



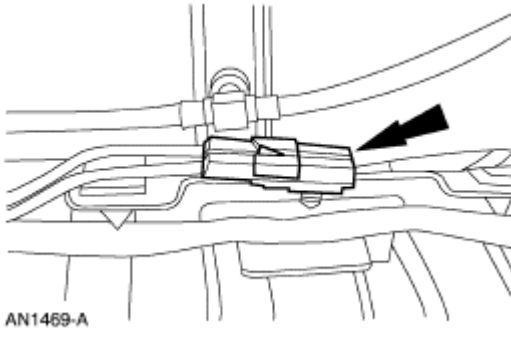
- 7. Fully lower the lift cylinders.
- 8. Remove the nuts and the lift cylinders.



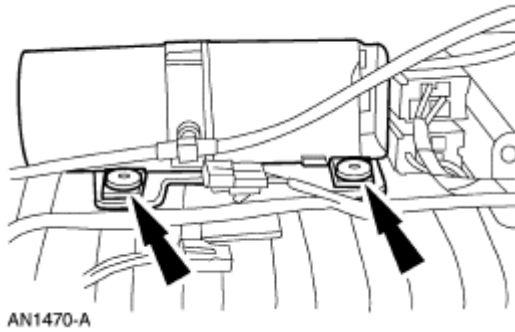
- 9. Release the hydraulic line retainers on each side.



- 10. Disconnect the motor electrical connector.



- 11. Pull up on the motor to release the rubber retainers.

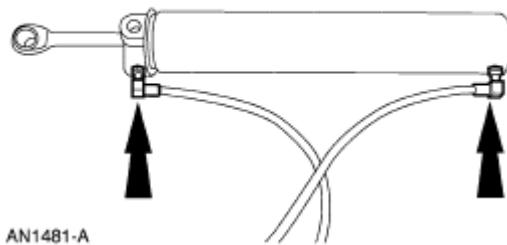


12. Remove the motor and cylinders as an assembly.

Lift cylinder

13. **NOTE:** Prior to their removal, mark the upper and lower hydraulic lines to insure correct installation on the new cylinder.

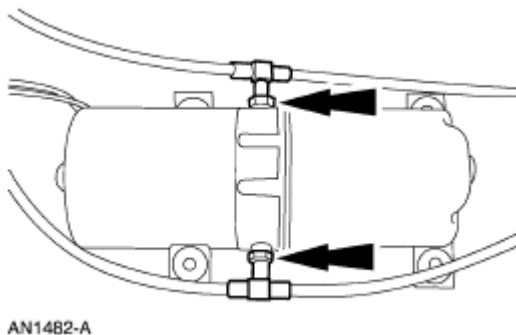
Remove the hydraulic lines from the cylinder.



Motor assembly

14. **NOTE:** Prior to removal, mark the hydraulic lines to insure correct installation of the motor assembly.

Remove the hydraulic lines from the motor assembly.



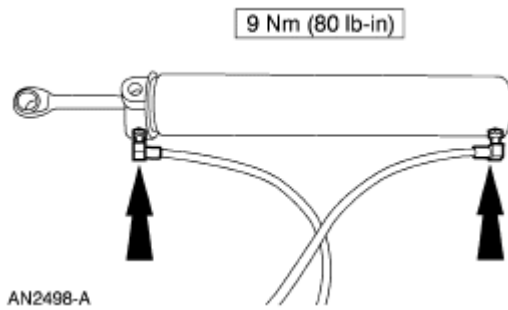
Installation

Lift cylinder

1. **NOTE:** Be sure that each fitting is installed in the correct position on the folding top hydraulic component.

NOTE: Make sure that the tetra seal is installed in the bottom of each of the folding top hydraulic cylinder ports before attaching the upper and lower hose fittings.

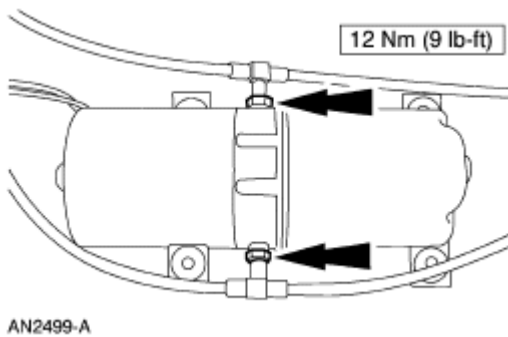
Install the hydraulic lines using a thread locker onto the lift cylinder.



Motor assembly

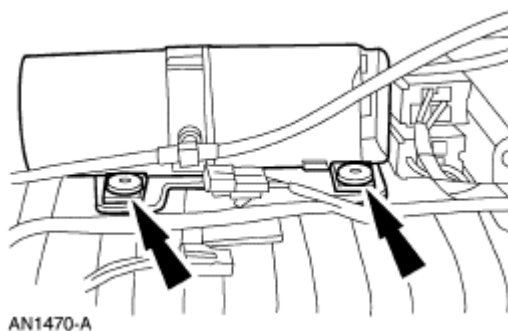
2. **NOTE:** Be sure that each fitting is installed in the correct position on the folding top hydraulic component.

Install the hydraulic lines using a thread locker onto the motor assembly.

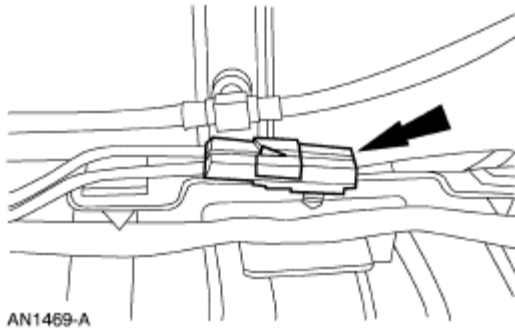


Hydraulic system

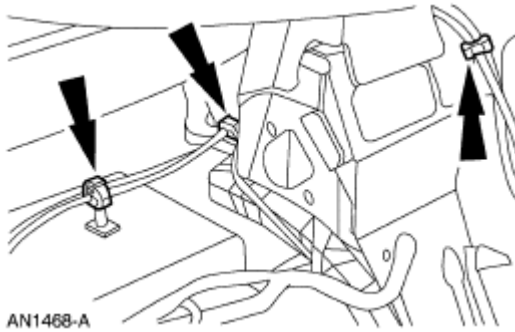
3. Bleed the hydraulic system. For additional information, refer to [System Bleeding](#) in this section.
4. Install the motor and cylinders as an assembly.
5. Position the motor assembly.



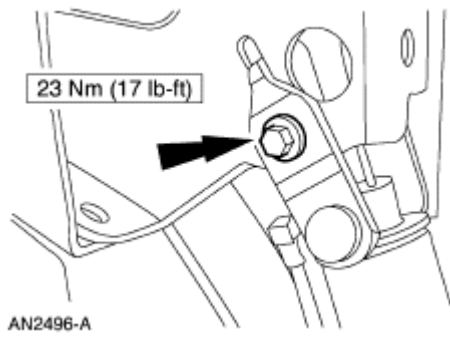
6. Connect the motor electrical connector.



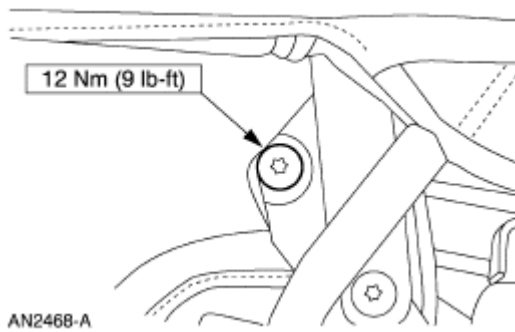
7. Engage the hydraulic line retainers on each side.



8. Position the lift cylinders and install the nuts.

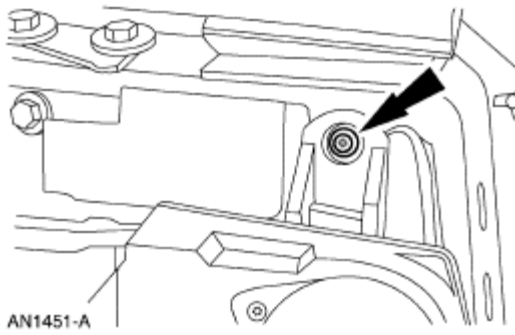


9. Install the two cylinder rod mounting bolts.



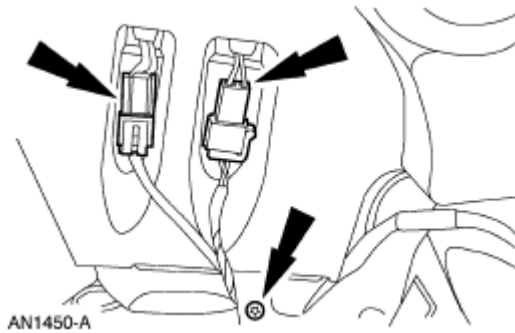
10. Install the speakers.

11. Install the screws.



12. **NOTE:** This step applies to vehicles equipped with the Mach sound system.

Install the screw and connect the electrical connectors.

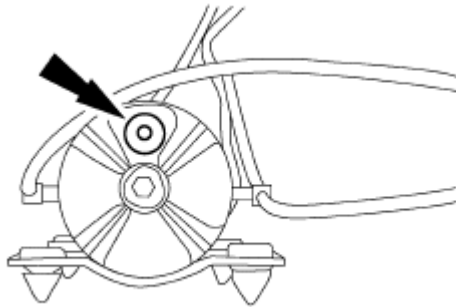


13. Install the rear quarter trim panel. For additional information, refer to [Section 501-05](#).

14. Latch the convertible top.

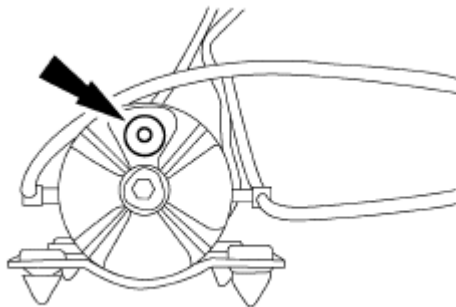
System Bleeding

1. If required, remove the hydraulic system from the vehicle. Refer to [Hydraulic System, Lift Cylinder and Motor](#) in this section.
2. Remove the fill plug at the end of the hydraulic pump.



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3. Fill the pump with Mercon® Multi-Purpose Automatic Transmission Fluid XT-2-QDX or equivalent to the bottom of the fill hole and install the fill plug.

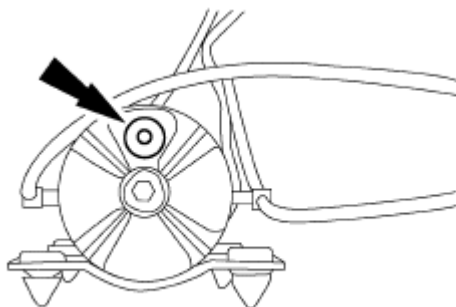


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4. **NOTE:** Some noise squeal may be noticed due to the air in the system.

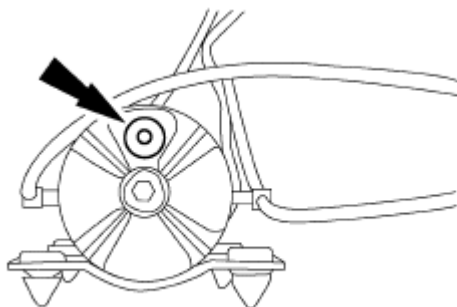
Connect a 12-volt power source to the motor connector and operate the motor until the cylinders are fully extended. Reverse the 12-volt connection to fully retract the cylinders. Repeat this procedure three times.

5. Remove the fill plug and check the fluid level. Fill the pump with MERCON® Multi-Purpose Automatic Transmission Fluid XT-2-QDX or equivalent to the bottom of the fill hole.



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6. Install a fill plug.



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7. Install the hydraulic system in the vehicle. Refer to [Hydraulic System, Lift Cylinder and Motor](#) in this section.