



GENERAL MOTORS POWER STEERING LEAK AT HOSE CONNECION TO RACK

MODELS: 2007-2013 Cadillac Escalade

2007-2013 Chevrolet Avalanche, Silverado, Suburban, & Tahoe

2007-2013 GMC Sierra, Yukon

REF: GM Bulletin 1202-32-001A

Complaint:

Fluid Leak under the front of the vehicle, in what appears to be fluid leaking from the connection between the hose and the rack.

Diagnostic Procedure:

All potential leaks should be completely cleaned and identified prior to attempting any repair or replacement of power steering components.

1. Inspect fluid level in the power steering reservoir.
 - a. If fluid is not low, this condition may be a from a different fluid leak.
2. Inspect the area where the hose connects to the steering rack.
 - a. Before removing any components ensure that the bolt securing the hoses to the steering rack are tight and torqued to proper spec. (12 N·m, or 8.85 ft lbs)
3. Clean the area around the connections at joints and seals.
4. Add an approved florescent dye to the power steering fluid.
5. Start engine and allow the power steering system to reach operating temperature.
6. Turn the steering wheel to the stops in each direction, while bumping the steering wheel against the stops 3-4 times. This will build maximum pressure and help identify the source of the leak.
DO NOT hold the steering wheel against the lock for more than 5 seconds or steering pump damage will occur.
7. Verify that the leak is coming from the hose connection to the rack.
8. If this is the source of the leak, remove the lines and replace the seals using GM Duckbill style seals GM # 26100863 or Equivalent.
 - a. If seals remain in the steering rack, careful removal is necessary in order not to damage the housing bore.
 - b. Place the new seals into the counterbore, using Kent Tool J-42640, and tap into place.
 - c. Replace steering lines, and tighten to (12 N·m, or 8.85 ft lbs)
9. Start engine and allow the power steering fluid to reach operating temperature.
 - a. Repeat Step 6 and verify leak is no longer present.

