

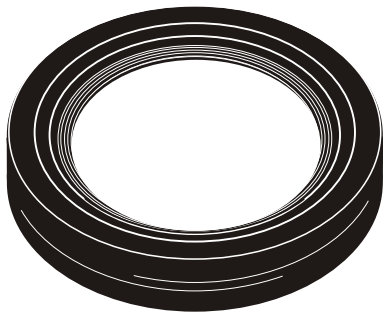


Technical Service Information

NISSAN MAXIMA RE4FO2A REPEATED FRONT SEAL LEAK

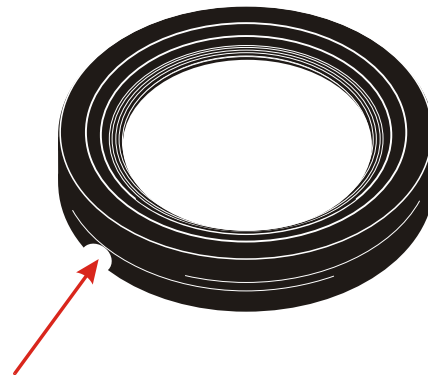
- COMPLAINT:** Before and/or after rebuild, vehicle exhibits a condition of a repeated front seal leak. The front seal may appear to have popped out of the converter housing.
- CAUSE:** One cause may be that during the rebuild procedure the front pump seal was installed too deeply into the converter housing. When this happens, the seal will block off approximately half of the drain back hole in the pump causing an increase of oil pressure behind the seal. Due to the increased pressure, the front seal may either pop out of the converter housing, or oil may blow past the seal between the seal lip and the converter hub.
- CORRECTION:** To correct the problem use a die grinder and cut a round notch into the seal approximately the same size as the drain back hole, then index the seal into the converter housing lining up the notch that you just cut, with the drain back hole. Refer to Figure 1 for location of the drain back hole in the converter housing and location of round notch in seal. It has been ATSG's experience that OEM seals have a better retention rate than some of the aftermarket seals.

**SEAL WITHOUT
ROUND NOTCH**

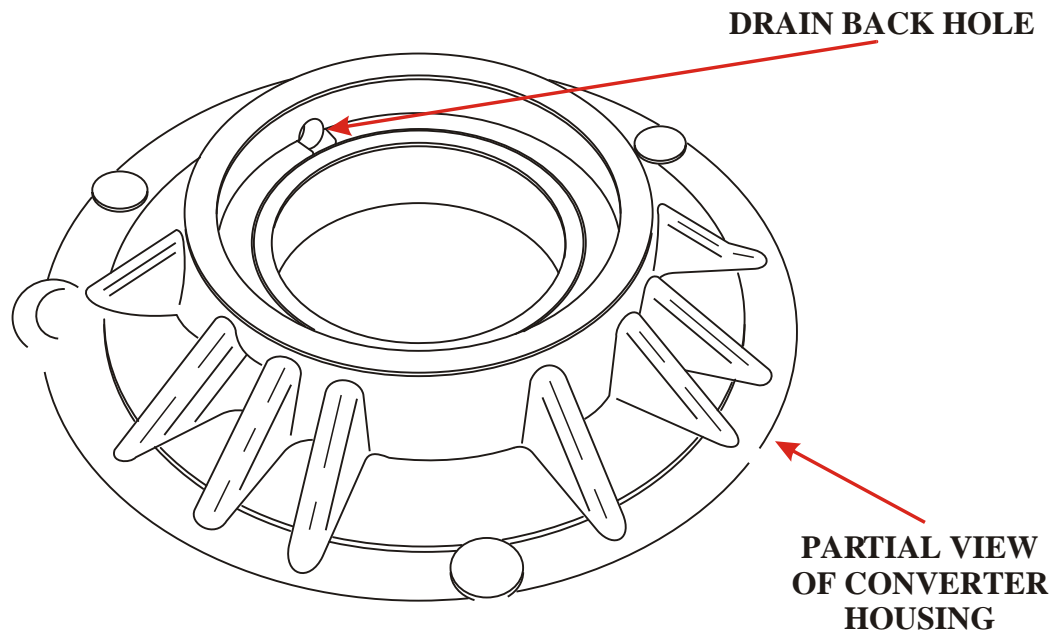


INSTALLING A NEW SEAL TOO DEEPLY INTO THE CONVERTER HOUSING WILL BLOCK ABOUT HALF OF THE DRAIN BACK HOLE IN THE SEAL AREA, WHICH COULD CREATE EXCESS PRESSURE BEHIND THE SEAL CAUSING THE SEAL TO WALK OUT OF THE PUMP.

**SEAL WITH
ROUND NOTCH**



USE A DIE GRINDER AND CUT A NOTCH INTO THE SEAL AS SHOWN ABOVE. NEXT INDEX THE NOTCHED CUT OUT OVER THE DRAIN BACK HOLE IN THE CONVERTER HOUSING WHEN INSTALLING THE SEAL.



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Figure 1