



Technical Service Information

MITSUBISHI F4A40/50 SERIES HARSH DRIVE ENGAGEMENT OR 4-3 DOWNSHIFT AND OR HARSH OR FLARED 3RD GEAR UPSHIFT

COMPLAINT: Before or after overhaul, vehicles equipped with the F4A40 or F4A50 series transaxles may exhibit a harsh engagement into Drive or a harsh 4-3 downshift or a Flared or Harsh upshift into 3rd gear.

CAUSE: The cause may be, worn sealing ring lands where the Underdrive and or Overdrive Clutch sealing rings ride, creating leakage in the Underdrive or Overdrive Clutch circuit.

CORRECTION: Refer to Figure 1 to identify the Underdrive Clutch Sealing Rings. Using a feeler gage ensure that there is no more than .005" clearance between the sealing ring and the sealing ring lands. Repeat the same process for the Overdrive Clutch Sealing rings as shown in Figure 2. Replace the Pump stator or Rear Cover as necessary. **NOTE: Refer to Figure 3 and notice the "R-14" that is cast into the Pump Cover/Stator Support and Rear cover. This identifies a new design part which is made out of stronger material reducing ring land wear.**

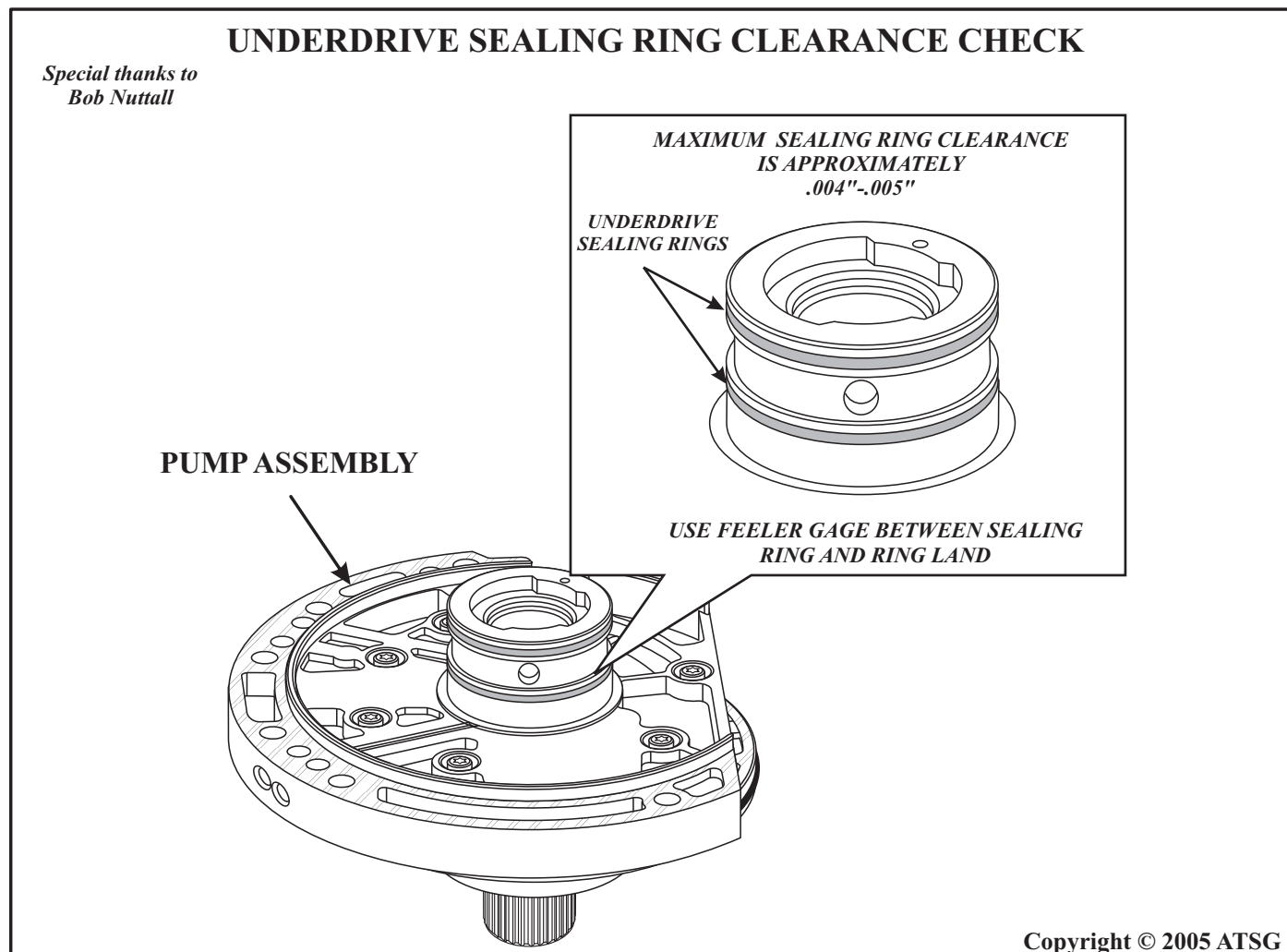
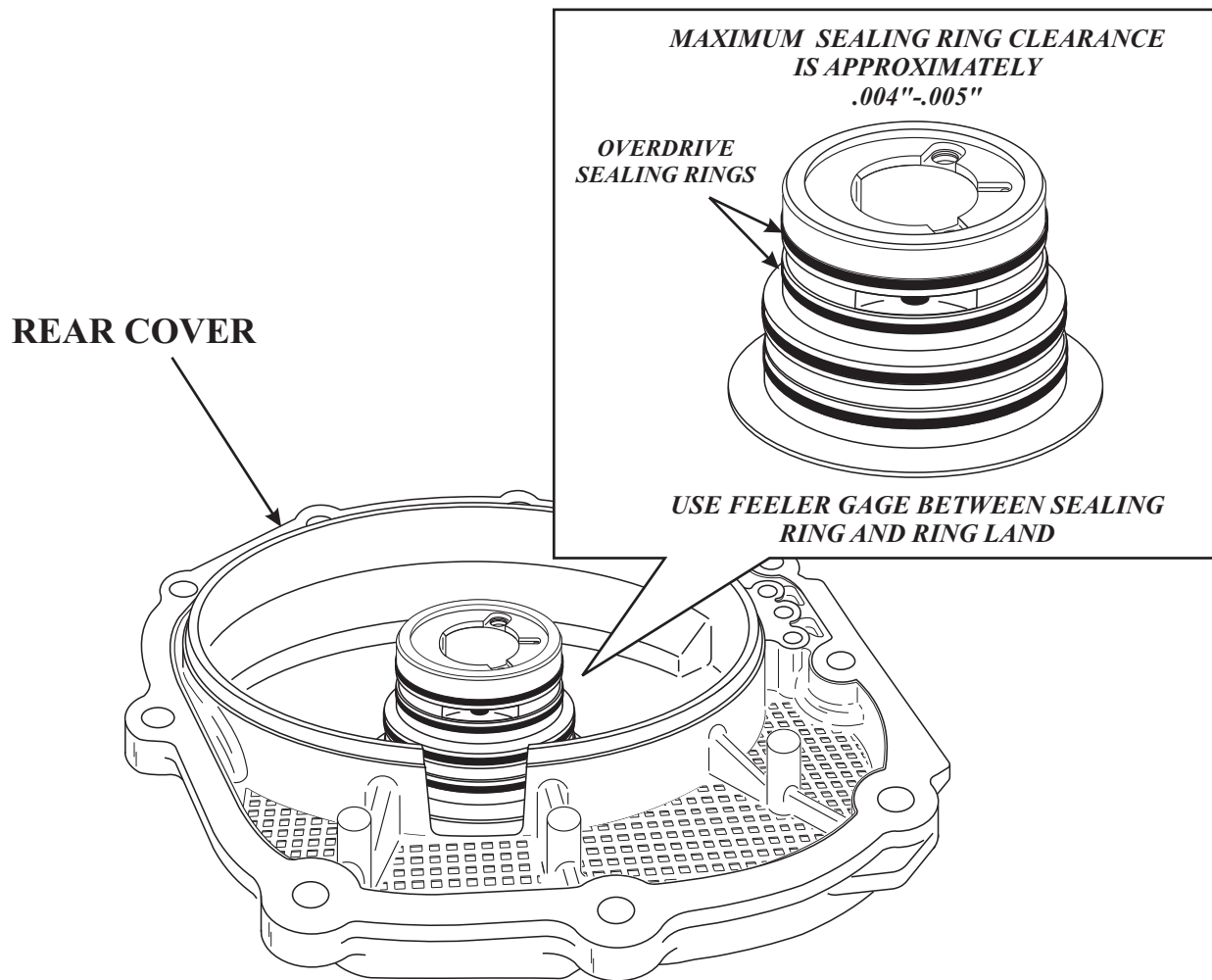


Figure 1

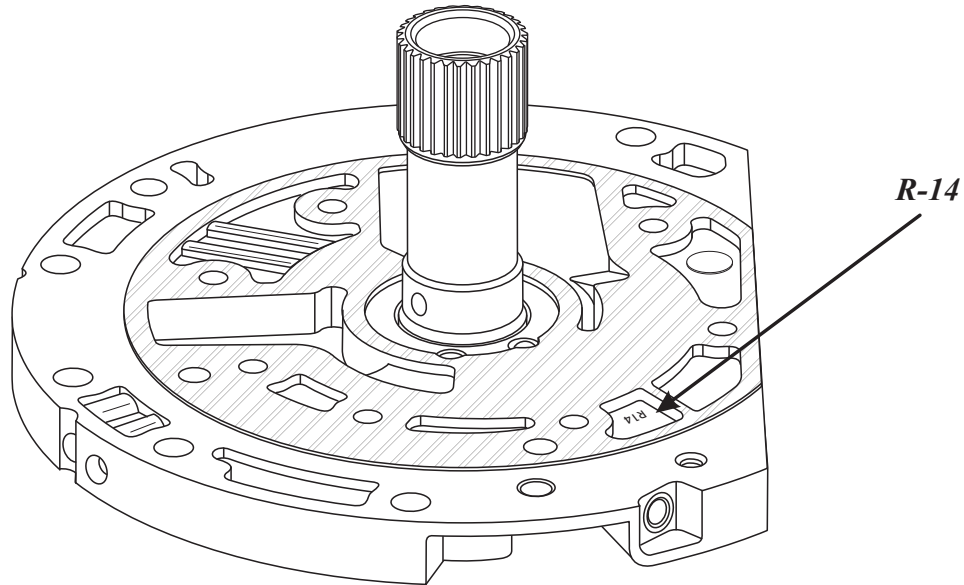
OVERDRIVE SEALING RING CLEARANCE CHECK



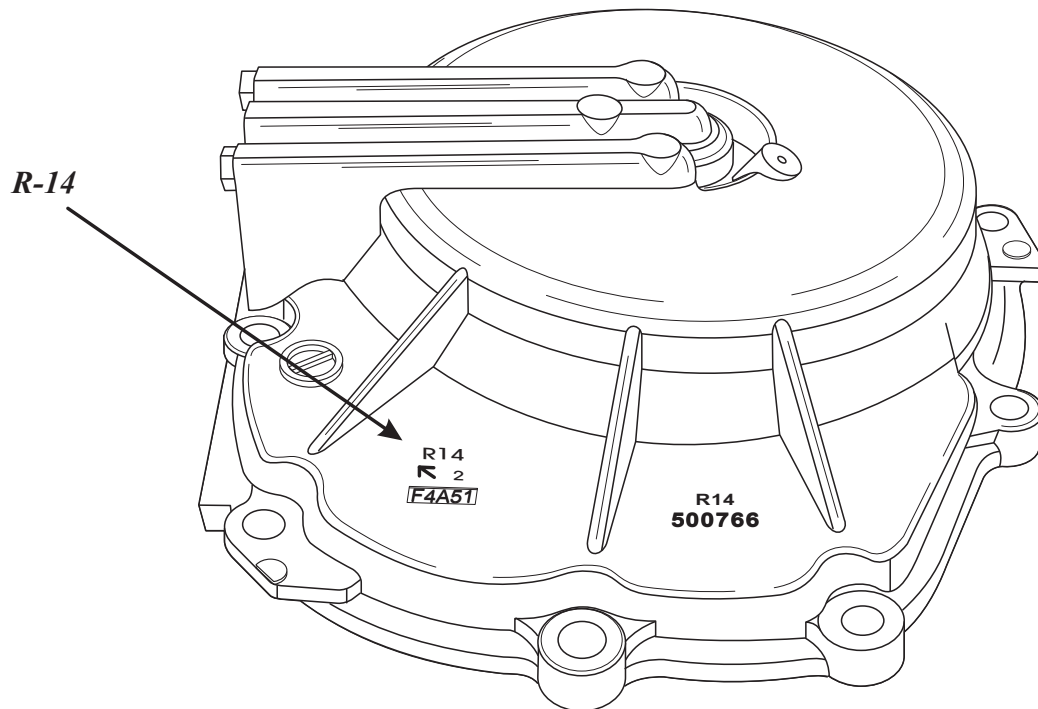
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Figure 2

PUMP COVER/STATOR SUPPORT



REAR COVER



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Figure 3