



Technical Service Information

NISSAN RE5R05A FLARE 3-4 NO 5th GEAR

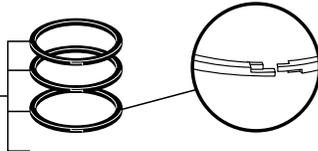
COMPLAINT: After overhaul, vehicles equipped with the RE5R05A may exhibit a slight flare on the 3-4 upshift and a neutral or slipping condition in 5th gear, along with a possible P0734 and P0735 diagnostic trouble code.

CAUSE: The cause may be, the Input Clutch/Turbine shaft sealing rings, as shown in Figure 1, were stretched too far when they were installed causing a slight bend in the ring or the plastic rings are not conforming to the inside of the pump stator, creating a leak in the Input Clutch circuit .

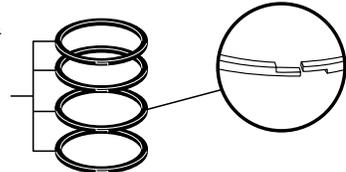
CORRECTION: To correct this condition, inspect the sleeve area of the back of the pump, shown in Figure 2, and ensure that it is not grooved and the support bearing is in good shape, replace as necessary. Air test the Input Clutch and make sure that it is solid shown in Figure 1, if the air test does not pass, refer to Figure 3 and renew piston seals and re-check. Contact your aftermarket supplier and locate Input Clutch rings made out of a teflon material, as it may conform to the inside of the pump stator easier than the plastic type. *Special note:* refer to Figure 1 to see instructions on how to install the sealing rings into the sealing ring land. Do not spread the sealing ring ends open like a you would a metal ring, as it will make a small bend in the ring and not allow the sealing ring to seal causing a leak. Install the ring 1 leg at a time into the ring land.

INPUT CLUTCH/TURBINE SHAFT SEALING RINGS

*O.E.
Plastic
Sealing
rings*



*Aftermarket
Teflon
Sealing
rings
Transtec
B21861 shown*

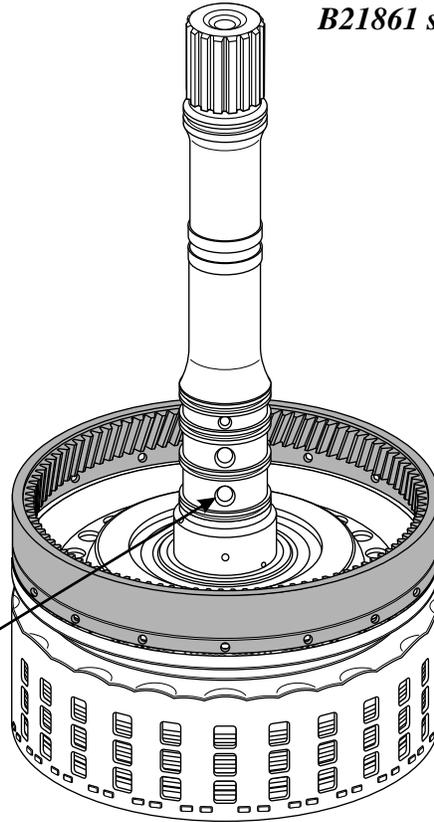


Do NOT spread the ends of the sealing ring apart to install over the turbine shaft- it will bend and not seal



Bring 1 leg at a time into the sealing ring groove

**INPUT CLUTCH
AIR TEST**

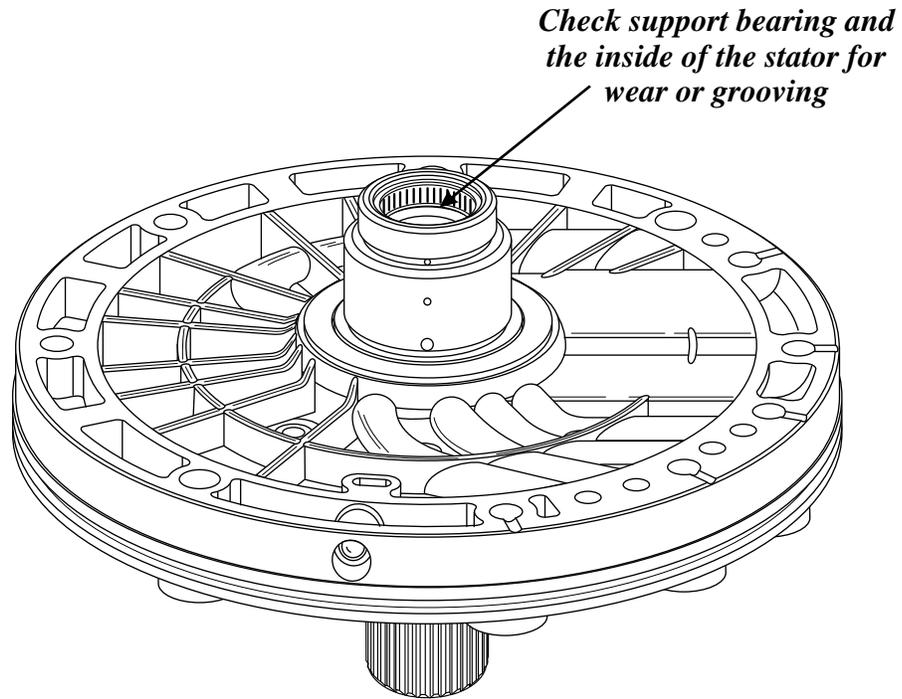


**INPUT CLUTCH
DRUM**

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Figure 1

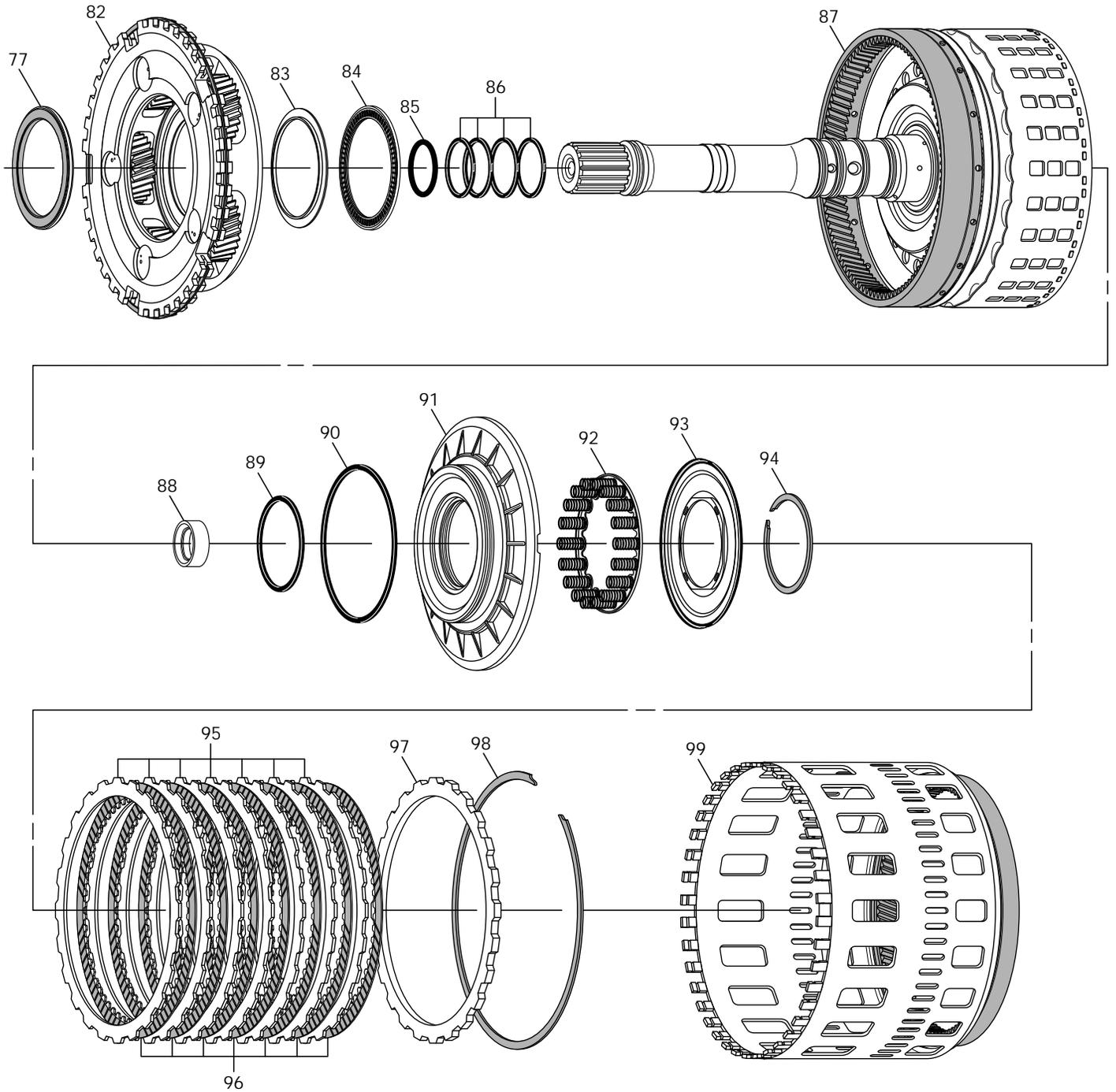
STATOR SHAFT



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Figure 2

INPUT HOUSING ASSEMBLY EXPLODED VIEW



- 77 NUMBER 3 THRUST BEARING.
- 82 FRONT PLANETARY CARRIER ASSEMBLY, WITH SNAP RING.
- 83 NUMBER 4, THRUST BEARING RACE.
- 84 NUMBER 5 THRUST BEARING.
- 85 TURBINE SHAFT "O" RING SEAL.
- 86 TURBINE SHAFT SEAL RINGS (4 REQUIRED).
- 87 INPUT CLUTCH HOUSING ASSEMBLY.
- 88 INPUT HOUSING BUSHING.
- 89 INPUT CLUTCH APPLY PISTON INNER "D" RING SEAL.
- 90 INPUT CLUTCH APPLY PISTON OUTER "D" RING SEAL.

- 91 INPUT CLUTCH APPLY PISTON.
- 92 INPUT CLUTCH APPLY PISTON RETURN SPRING ASSEMBLY.
- 93 INPUT CLUTCH BALANCE PISTON.
- 94 INPUT CLUTCH BALANCE PISTON RETAINING SNAP RING.
- 95 INPUT CLUTCH STEEL PLATES (7 REQUIRED).
- 96 INPUT CLUTCH FRICTION PLATES (7 REQUIRED).
- 97 INPUT CLUTCH BACKING PLATE.
- 98 INPUT CLUTCH BACKING PLATE SNAP RING.
- 99 REAR PLANETARY CARRIER RING GEAR AND SHELL ASSEMBLY.

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Figure 3