



NISSAN FRONT OR REAR DRIVE PREMATURE PLANETARY FAILURE

COMPLAINT: Planetary gears failed due to lack of lubrication, while the hydraulic system and friction material does not seem to be damaged.

CAUSE: Lubrication may be restricted or even totally cut off due to clutch material from the converter clutch clogging the fins or tubes inside of the radiator cooler.

CORRECTION: 1. FRONT AND REAR DRIVE.

After a transmission repair, perform a cooler flow test on all suspect vehicles. There must be at least 1(one) quart of oil every 20 seconds returning to the transmission at idle. If the vehicle uses a tube type cooler, then it may be flushed using conventional methods. If the vehicle uses a fin type cooler, then the radiator **MUST** be replaced. See figure 1 to determine the cooler type in the vehicle that you are working on.

COOLER APPLICATIONS

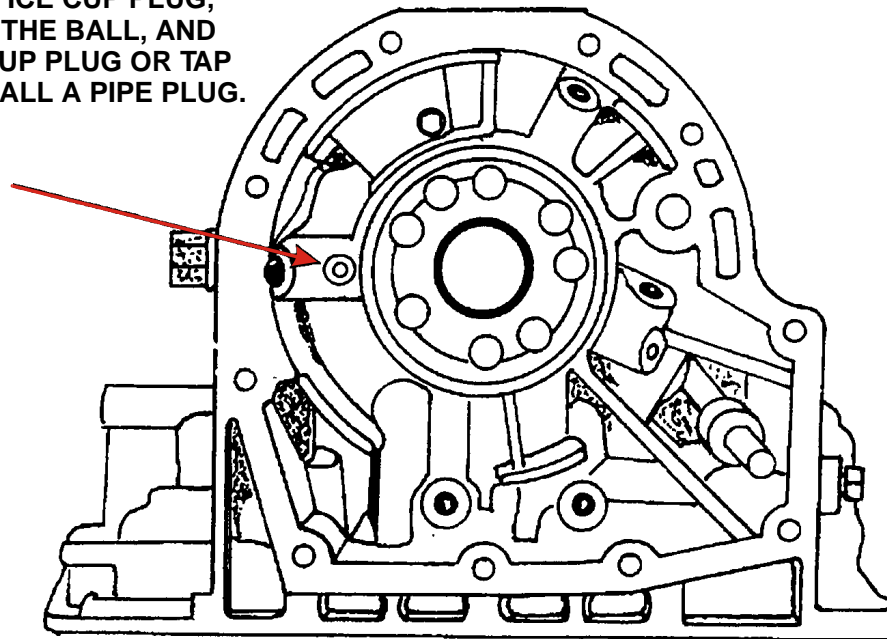
MODEL	MODEL YEAR	TRANSMISSION	ENGINE	COOLER TYPE	
				FIN	TUBE
300 ZX	1990-1992	RE4R01 (3)A	VG30	X	
Truck/ Pathfinder	1988-1992	RE4R01A	VG30	X	
	1990-1992	RL4R01A	KA24		X
240 SX	1989-1992	RE4R01A	KA24		X
Maxima	1989-1992	RE4F02A	VG30		X
	1992	RE4F04A	VE30	X	
Stanza	1990-1992	RE4F02A(V)	KA24		X
Sentra/NX	1990-1992	RL3F01A	GA16		X
	1990-1992	RL4F03A(V)	GA16/SR20	X	

Figure 1

2. RE4RO1A and RE4RO3A

Check the case bushings for wear and replace them if they are worn. Also make sure that the case bushings have not moved so that they block the lubrication feed passage to the output shaft. To assure maximum lube to the output shaft and planets, remove and discard the orificed cup plug, the lube relief ball, and the spring as shown in figure 2 and **INSTALL A SOLID PLUG IN PLACE OF THE ORIFICED CUP PLUG.**

**REMOVE THIS ORIFICE CUP PLUG,
THE SPRING, AND THE BALL, AND
INSTALL A SOLID CUP PLUG OR TAP
THE CASE AND INSTALL A PIPE PLUG.**



VIEW FROM REAR OF CASE

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Figure 2