



Technical Service Information

NISSAN MAXIMA AND STANZA RE4F02A

POOR SHIFTS AND FRICTION MATERIAL FAILURE

COMPLAINT: Poor shift quality, especially after rebuild. The transaxle may shift okay at light throttle but gets increasingly softer with acceleration. If it is released to the customer, it comes back burn't up in a relatively short time. This unit may have been thoroughly air tested and put together with high quality parts and still have the same results.

CAUSE: No line pressure rise with throttle opening. This can be easily checked by connecting a pressure gauge to the line pressure tap on top of the case, near the front of the transaxle. See figure 1. Test the line pressure in drive at idle. It should be around 60 psi. At increased throttle opening, pressures should smoothly increase to a maximum of around 180 psi. at stall. If the line pressure stays at or near idle pressure, the cause is a weak or clogged pressure control solenoid.

CORRECTION: Remove the valve body and replace the 4-Unit Solenoid Assembly which contains the pressure control solenoid. See figure 2. The pressure control solenoid is not serviced separately. A new solenoid assembly is available from the Nissan dealer. The part number for the solenoid pack is 31940-27X66.

Line Pressure Tap

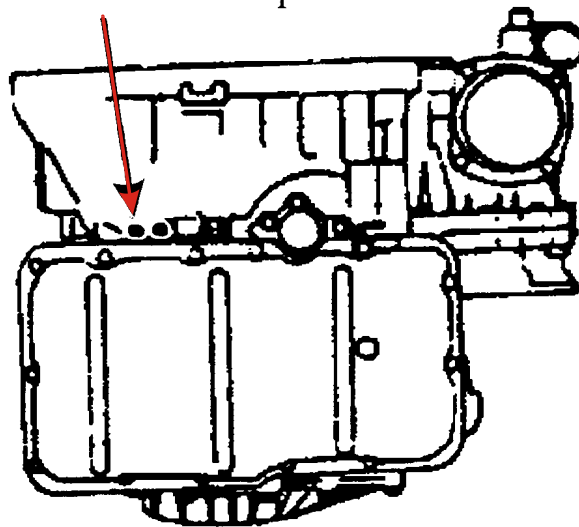
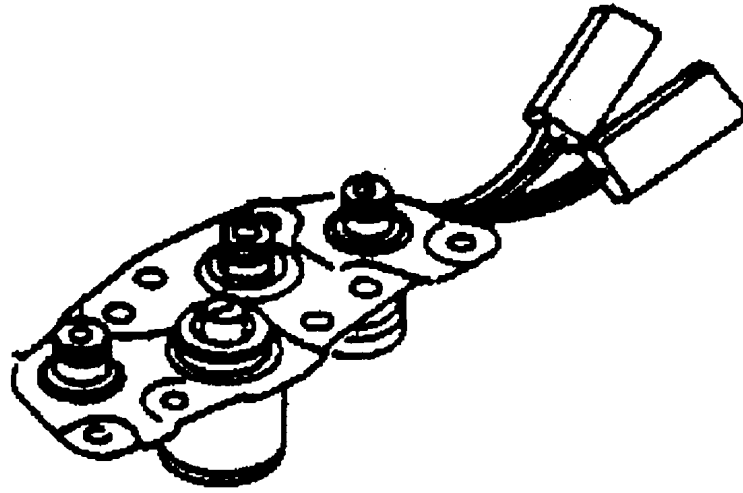


Figure 1



4-Unit Solenoid Assembly

Figure 2