



TECH TIPS

Dixie Part Numbers: S-8241 S-8384 S-8385
S-8386 S-8709

Applications: 1989 – 1992 Nissan Pickup (D21 Hardbody) 2.4L and 3.0L Engines with Automatic Transmission and the shifter on the steering column.
1989 – 1992 Nissan Pathfinder 2.4L and 3.0L Engines with Automatic Transmission and the shifter on the steering column.

Condition: The operator of the vehicle may complain of one or more of the following conditions:

- The vehicle fails to crank or start.
- The vehicle is noisy (grinding) when starting.

Cause: A possible cause for the above conditions is an incorrectly aligned neutral switch and/or improperly adjusted control linkage.

Correction: Prior to performing any repairs remove the starter and inspect the ring gear and starter pinion for damage. If neither is damaged then proceed with checking and repairing the neutral ignition switch and control linkage as indicated below:

Neutral Ignition Switch

- Remove the manual control linkage from the manual shaft of the automatic transmission assembly.
- Put the manual shaft portion of the automatic transmission in neutral.
- Loosen the neutral switch fixing bolts.
- Insert a 4mm-diameter pin into the adjustment holes in both the neutral safety switch and the manual shaft of the automatic transmission assembly. Position them as close to being vertically aligned as possible.
- Tighten the neutral safety switch fixing bolts and reassemble any parts previously removed.

Control Linkage Adjustment

- Place the gear shifter in the "P" position.
- Loosen both the lock nuts on either side of the trunnion.
- Tighten the top lock nut until it touches the trunnion, pulling the selector lever toward the "R" range with out pushing the button on the gear selector. Back the nut off 2 full turns. Tighten the bottom lock nut to 8 – 11 ft. lbs.
- Move the selector from "P" to "1" making sure that movement is free and no binding occurs.