

# TECH TIPS



**PART NUMBERS AFFECTED:** S16711, S16982

**MANUFACTURER:** NISSAN

**YEAR:** 1981-1989

## **CONDITION:**

REPLACING NISSAN STARTER MOTORS USED ON 1981 TO 1989 NISSAN 200SX, MULTI, PICK-UP, AND STANZA MUST ALWAYS BE REINSTALLED WITH THE HEAT PROTECTION SHIELD IF SUPPLIED TO PREVENT INTERMITTENT OPERATION OF THE STARTER MOTOR. IN SOME CASES THE HEAT PROTECTION SHIELD WILL NOT ELIMINATE THE PROBLEM COMPLETELY, A HIGH RESISTANCE PROBLEM CAN BE CREATED DUE TO THE AGE OR THE CONDITION OF THE VEHICLE. THE HEAT OF THE ENGINE CAN ALSO AMPLIFY IT.

## **SOLUTION:**

TO RECTIFY THIS PROBLEM INSTALL A STARTER RELAY ( **BLUESTREAK PART NUMBER SR105** )

1. DISCONNECT NEGATIVE BATTERY CABLE FROM BATTERY.
2. SELECT A LOCATION CLOSE TO THE STARTER TO MOUNT THE RELAY. THE RELAY SHOULD BE MOUNTED IN AN AREA WITH THE TERMINALS FACING DOWNWARD TO PREVENT THE ENTRY OF WATER OR DIRT INTO THE RELAY. DRILL A 1/8" HOLE WHERE IS TO BE INSTALLED, AND MOUNT THE RELAY WITH A SHEET METAL SCREW.
3. DISCONNECT THE STARTER SWITCH WIRE FROM THE START CONNECTOR OF THE STARTER SOLENOID ( S-TERM.), AND ATTACH IT TO THE RELAY ( I ) TERMINAL.
4. ADD A #12 GAUGE WIRE FROM (SOL) TERMINAL ON THE RELAY TO THE (S-TERM) ON THE STARTER SOLENOID.
5. ADD A #10 GAUGE WIRE FROM THE BATTERY (POSITIVE TERMINAL) TO THE RELAY (BAT) TERMINAL.
6. CONNECT A #12 GAUGE WIRE FROM THE (G) TERMINAL ON THE RELAY TO GROUND.
7. TAPE ALL EXPOSED CONNECTIONS. USE WIRE TIES TO SECURE THE RELAY WIRES AND ROUTE THEN AWAY FROM POTENTIAL DAMAGE AREAS SUCH AS EXHAUST MANIFOLDS, SHARP CORNERS, OR MOVING PARTS.
8. RECONNECT NEGATIVE BATTERY CABLE TO BATTERY. INSTALLATION IS NOW COMPLETE.

## **RELAY WIRING DIAGRAM:**

