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SERVICE BULLETIN

Classification:	Reference:	Date:
EL01-005a	NTB01-028a	October 17, 2003

HEADLIGHT CONNECTOR REPLACEMENT

IMPORTANT: THIS BULLETIN HAS BEEN REVISED.

- **The Service Procedure was updated with new information about wire end-to-end "splicing".**
- **The Claims Information section was revised with a new "SYM" and "DIA" code.**
- **Please use this bulletin NTB01-028a for complete information.**
- **Discard all previously distributed copies of NTB01-028.**

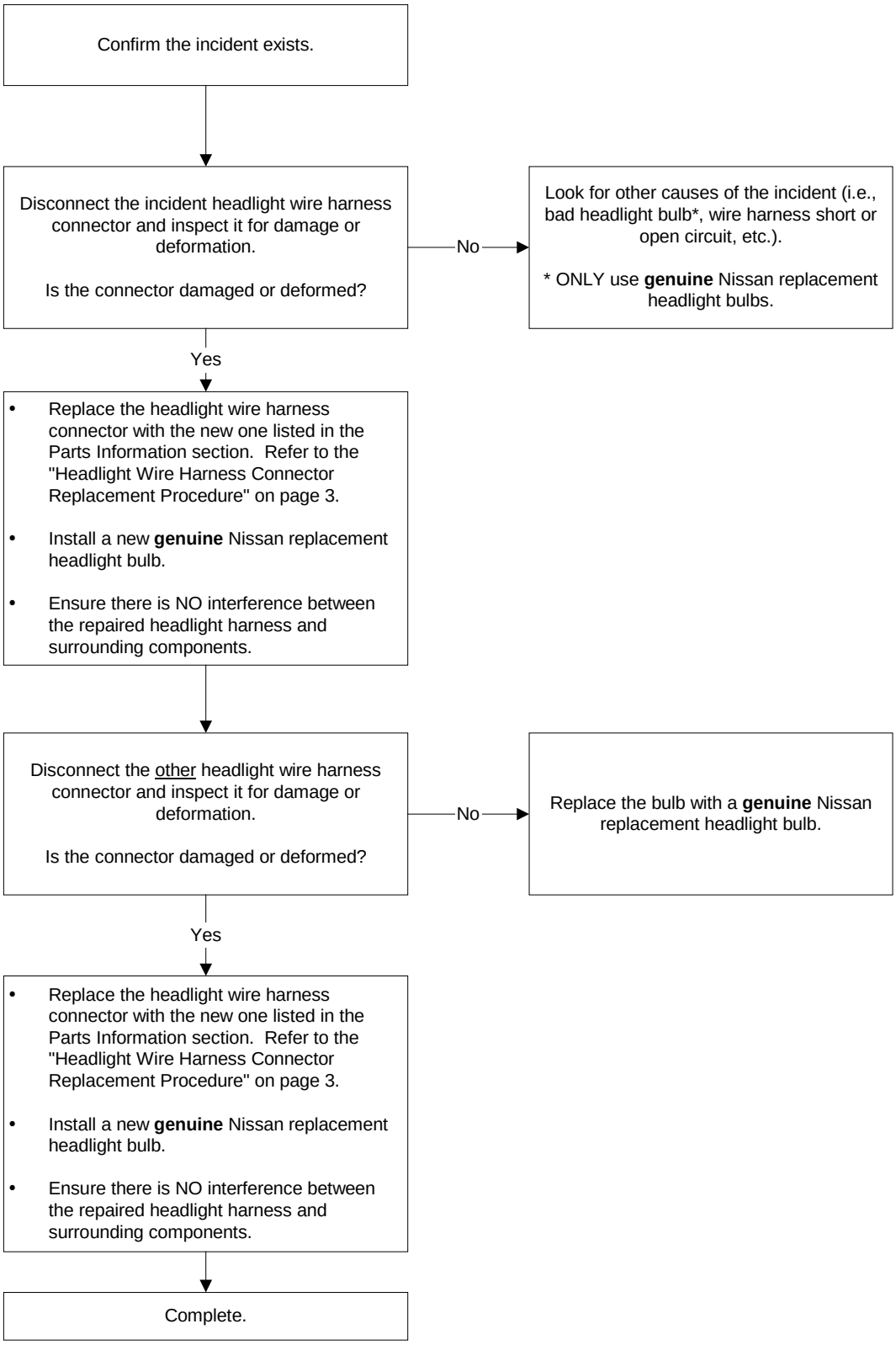
APPLIED VEHICLES: All Nissan – except vehicles equipped with xenon headlights

SERVICE INFORMATION

Nissan has established replacement headlight connectors and service procedures to replace damaged connectors on the applied vehicles. If the headlight wire harness connector is damaged, causing intermittent or improper headlight operation, or the connector otherwise needs replacement, follow the procedures in this bulletin.

Refer to the "Diagnosis/Repair Flow Chart" on page two to diagnose and resolve this incident, should it occur.

Diagnosis/Repair Flow Chart



SERVICE PROCEDURE

Headlight Wire Harness Connector Replacement Procedure

IMPORTANT: Each wire connection joint MUST be joined and sealed with the Essential Tool **"Flameless Heat Gun J-46538"** and **"Solder Sleeve Connectors J-47003"** due to the high wire current and moisture in this location. DO NOT use Scotch-Loks ™, butt connectors, or soldering/heat shrink tubing for splicing at this location.

1. Disconnect the vehicle-side wire harness connector from the headlight bulb.
2. Cut the vehicle wire harness about an inch back from the headlight harness connector.
3. Cut the wires of the replacement connector to the appropriate length.

NOTE: Perform the following steps on **ONE** wire (joint) connection at a time.

4. Use essential Wire Crimping/Stripping Tool #J-38751-2 (or equivalent) to strip off about 10mm of insulation from the ends of the wires (on the vehicle wire harness side and on the replacement connector wires). See Figure 1. Then, firmly twist the exposed wire strands (on each wire).

   NOTE: Use the correct size opening in the Wire Crimping/Stripping Tool so you won't cut off any strands of wire. Less strands reduces the ability of the wire to handle the expected electrical load.

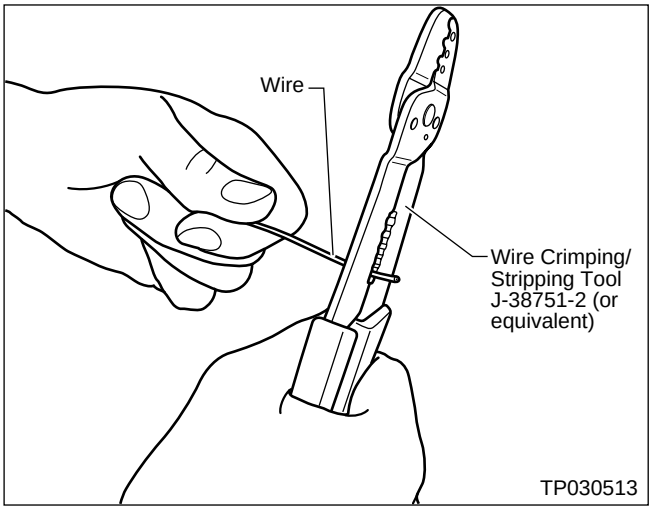


Figure 1

5. Slide the appropriate size Solder Sleeve Connector over one of the wires (see Figure 2).

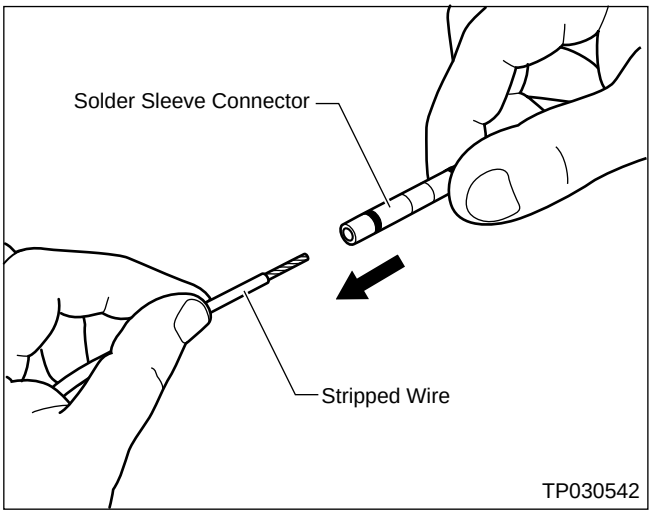


Figure 2

6. Connect the wire (of the replacement connector) to the vehicle wire harness making sure the wires are correctly connected (i.e., no mis-matched wires). Then, firmly and securely twist the two wire ends together (see Figure 3).

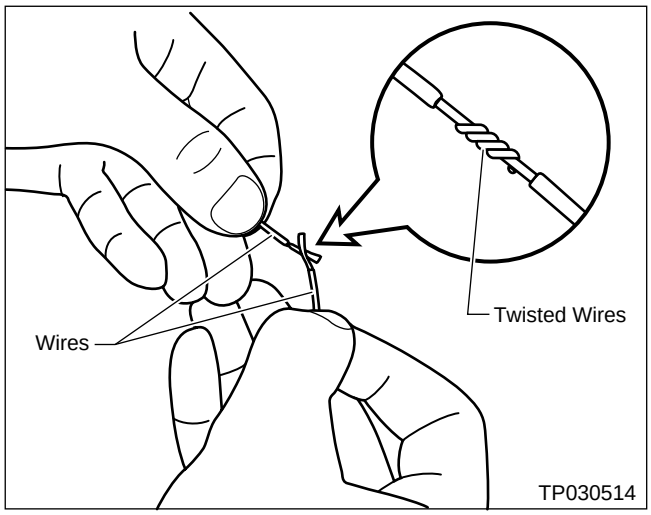


Figure 3

7. Now slide the Solder Sleeve Connector over so that the solder ring is centered around the exposed twisted wire area (see Figure 4).

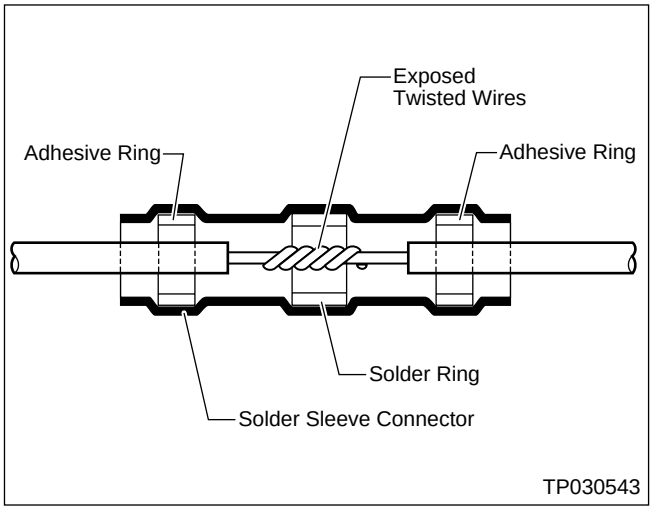


Figure 4

8. Use the FlameLess Heat Gun to heat the Solder Sleeve connector (see Figure 5). This operation will:

- Melt the solder (silver ring inside solder connector) into the exposed twisted wire area (see Figure 6)
- Melt the sealant (colored rings inside solder connector) onto the wires (see Figure 6)
- Shrink the plastic sleeve onto the wires

WARNING: The Flame-Less Heat Gun and the Solder Sleeve Connector become HOT during the soldering process. Allow the Gun and connectors to cool down before handling them.

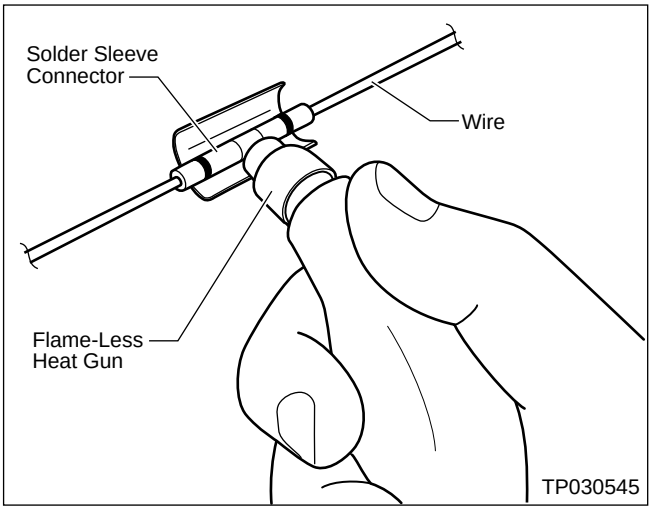


Figure 5

Important Soldering Tips:

- Position the Solder Sleeve Connector in the middle of the heat shield (of the Heat Gun).
- Start heating the connector from the center and move back and forth (side to side) and around to allow even distribution of the heat to the entire connector.
- Make sure the solder completely flows into the exposed twisted wires and the adhesive properly seals the wire insulation to the connector sleeve. Remove the heat immediately after this happens.

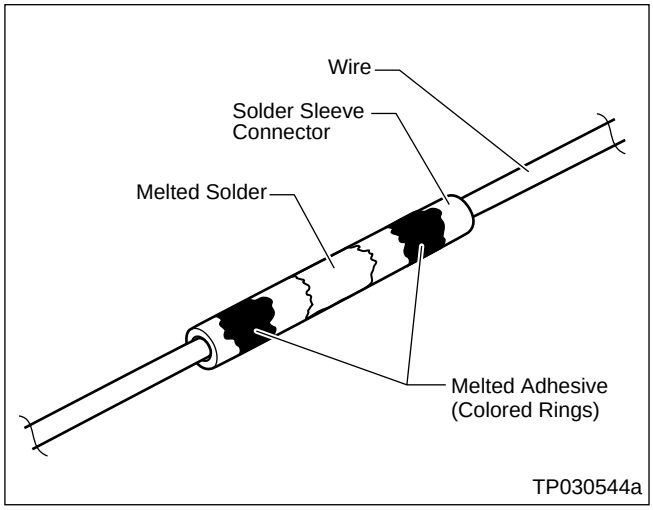


Figure 6

CAUTION: Be careful not to damage the connector or wires with the heat gun:

- Do NOT apply heat for more than about 40 seconds.
- Do NOT overheat the connector or wires (i.e., severe darkening of connector sleeve or wire insulation).

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
3-Pin Headlight Wiring Harness Connector*	B4343-0UFB0	Up to 2
2-Pin Headlight Wiring Harness Connector*	B4342-0UFB1	Up to 2
3-Pin Headlight Wiring Harness Connector*	B4343-0QFB1	Up to 2

* See Figure 7 below for connector type differences.

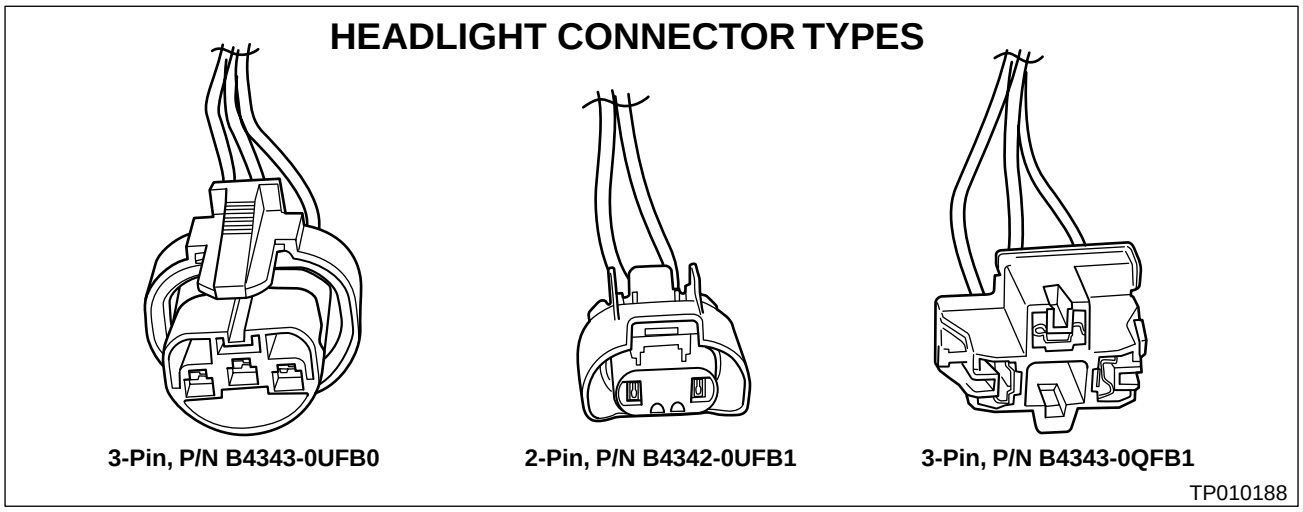


Figure 7

CLAIMS INFORMATION

Submit a Primary Failed Part (PP) line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Repair Wiring Harness	(1)	RA16AA	HE	63	S/T **(2)**

(1) Reference the Parts Information table above and use the indicated harness P/N as the PFP.

(2) Straight time operation – use actual time required to replace terminal. Suggested FRTs, for most vehicles, are 0.3 hrs. for one side or 0.4 hrs. for both sides.