



TECHNICAL SERVICE BULLETIN

REF.: ELECTRICAL
NO.: EL91-005
DATE: AUGUST 23, 1991
MODEL: ALL MODELS

DOUBLE LOCKING TYPE CONNECTOR FOR 305 & 250 SERIES CONNECTOR

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This bulletin provides service information for assembly and disassembly of the new double locking 305 and 250 series connectors.

APPLICATION:

The following chart identifies connector series and application.

CONNECTOR

APPLICATION

305 Series

Power Source

250 Series

Fog lamp, electrical fan, fuel pump, heater blower switch, horn, stop light switch, wiper motor and license light.

PRODUCTION EFFECTIVE:

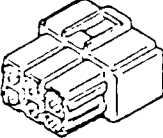
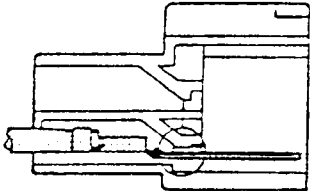
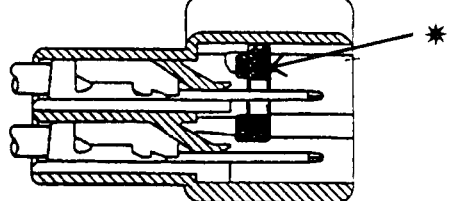
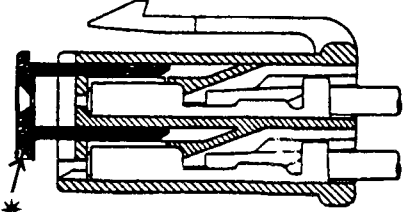
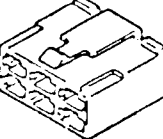
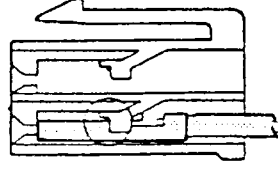
Between August, 1990 and February, 1991, the new double locking connectors have been phased into production.

TOYOTA MOTOR SALES U.S.A., INC.

DOUBLE LOCKING TYPE CONNECTOR FOR 305 & 250 SERIES CONNECTOR (CONT'D)

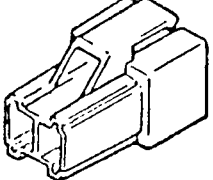
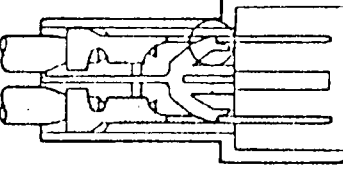
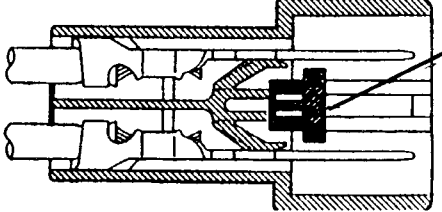
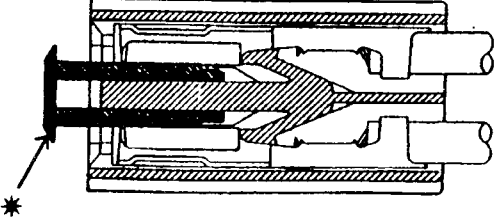
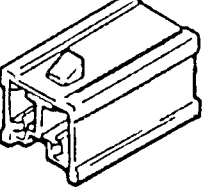
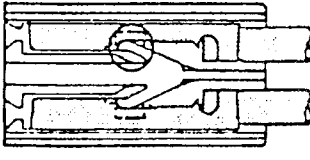
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250 Non-Waterproof Type

MALE	CURRENT	NEW
 <p>P/N: 90980-10172</p>		
FEMALE		
 <p>P/N: 90980-10173</p>		

*: Fitted with Terminal Retainer on Connector Body

305 Non-Waterproof Type

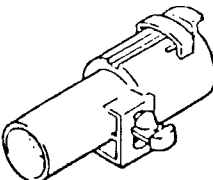
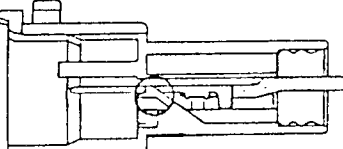
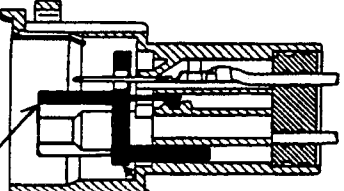
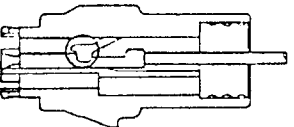
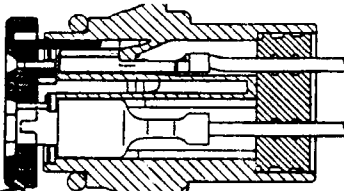
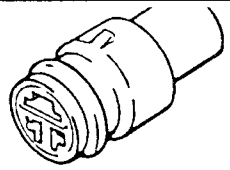
MALE	CURRENT	NEW
 <p>P/N: 90980-10172</p>		
FEMALE		
 <p>P/N: 90980-10173</p>		

*: Fitted with Terminal Retainer on Connector Body

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250 Waterproof Type

MALE	CURRENT	NEW
 P/N: 90980-10347		 *
FEMALE		 *
 P/N: 90980-10249		

*: Fitted with Terminal Retainer on Connector Body

PART NUMBER INFORMATION:

PREV. PART NO.	NEW PART NO.	PART NAME/DESCRIPTION
90980-10172	Same	**250 Type Connector Body/Male (6P)
90980-10173	Same	**250 Type Connector Body/Female (6P)
90980-10174	Same	**250 Type Connector Body/Male (8P)
90980-10175	Same	**250 Type Connector Body/Female (8P)
90980-10176	Same	**250 Type Connector Body/Male (10P)
90980-10177	Same	**250 Type Connector Body/Female (10P)
90980-10178	Same	**250 Type Connector Body/Male (1P)
90980-10179	Same	**250 Type Connector Body/Female (1P)
90980-10213	Same	**250 Type Connector Body/Male (2P)
90980-10214	Same	**250 Type Connector Body/Female (2P)
90980-10216	Same	**250 Type Connector Body/Female (3P)
90980-10246*	Same	**250 Type Connector Body/Male (1P)
90980-10247*	Same	**250 Type Connector Body/Female (1P)
90980-10249*	Same	**250 Type Connector Body/Female (3P)
90980-10283	Same	**250 Type Connector Body/Male (3P)
90980-10356	Same	**305 Type Connector Body/Male (2P)
90980-10357	Same	**305 Type Connector Body/Female (2P)

* Water Proof Connector Type

** Previous and New Part are interchangeable when pins are changed also.

DOUBLE LOCKING TYPE CONNECTOR FOR 305 & 250 SERIES CONNECTOR (CONT'D)

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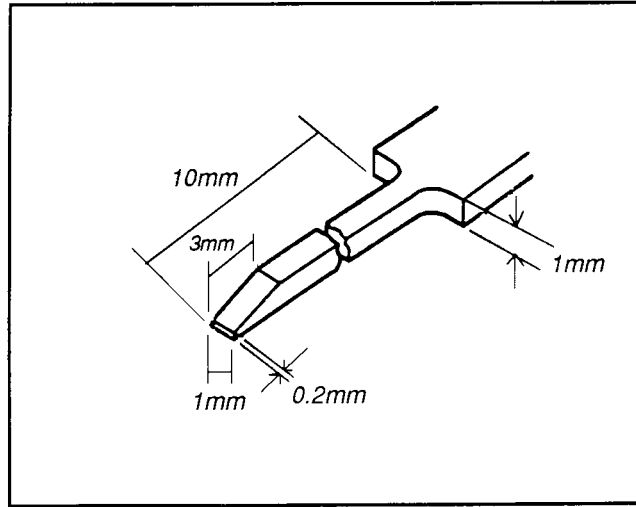
SERVICE INFORMATION:

The following procedures must be followed when replacing the previous locking connectors with the new double locking type or when servicing the new double locking connectors.

DISASSEMBLY OF CONNECTOR:

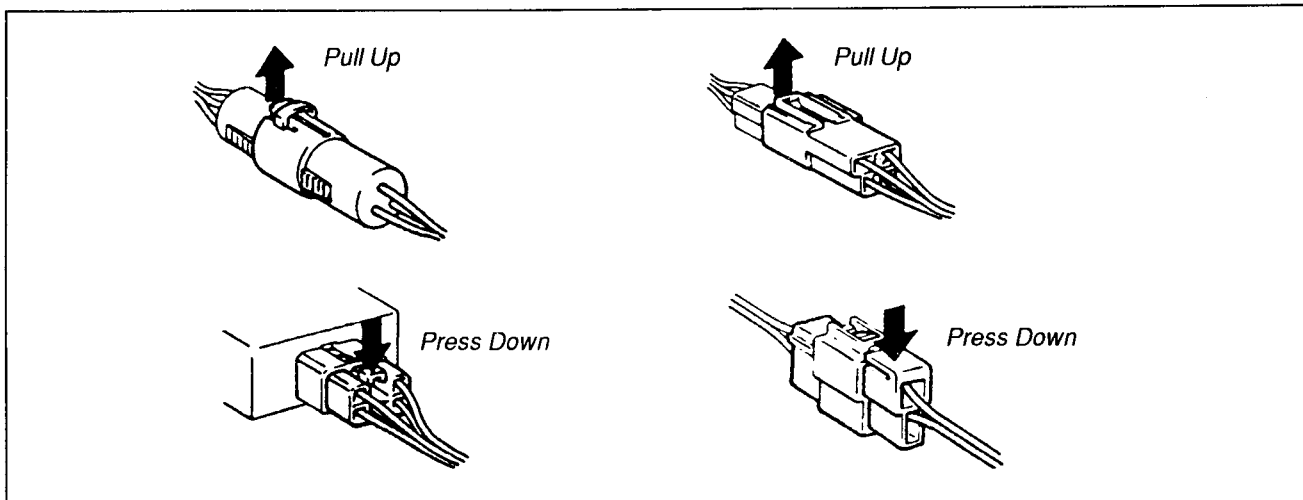
1. Prepare the Special Tool

To remove the terminal from the connector, a special tool must be constructed (refer to illustration).



2. Disconnecting Wire Harness Bodies

To disconnect wire harness bodies, you must either push or pull on the connector lock tab (refer to illustration).



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3. Removing Terminal from Connector

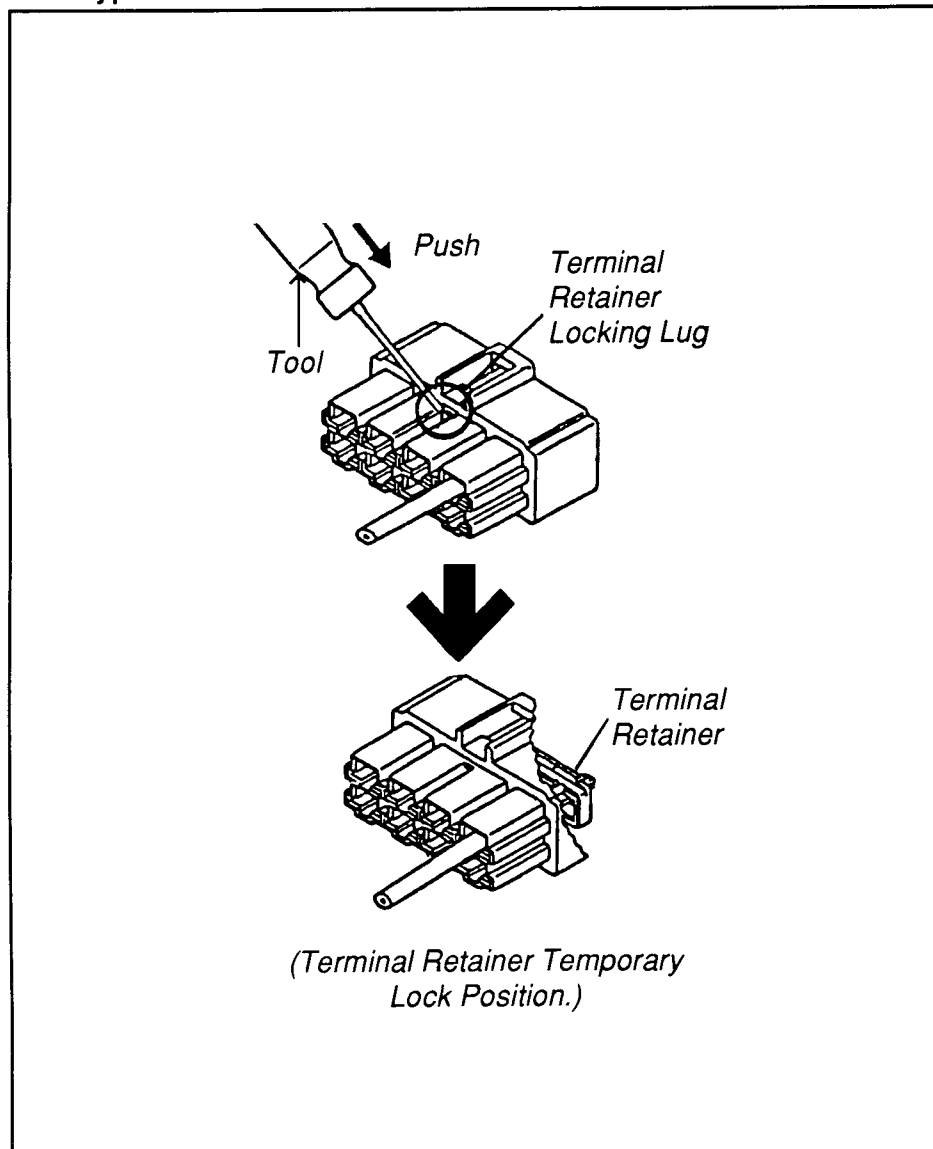
Use the special tool you have constructed in step 1 to disengage the terminal retainer locking lug (see illustration below). The connector body has marks to locate the terminal retainer locking lug.

Note: Location of the terminal lug varies according to the connector shape (number of terminals).

A. Male Connector Non-Waterproof Type

Push on the terminal retainer locking lug (clip) and push the terminal retainer out to the temporary lock position.

250 Type

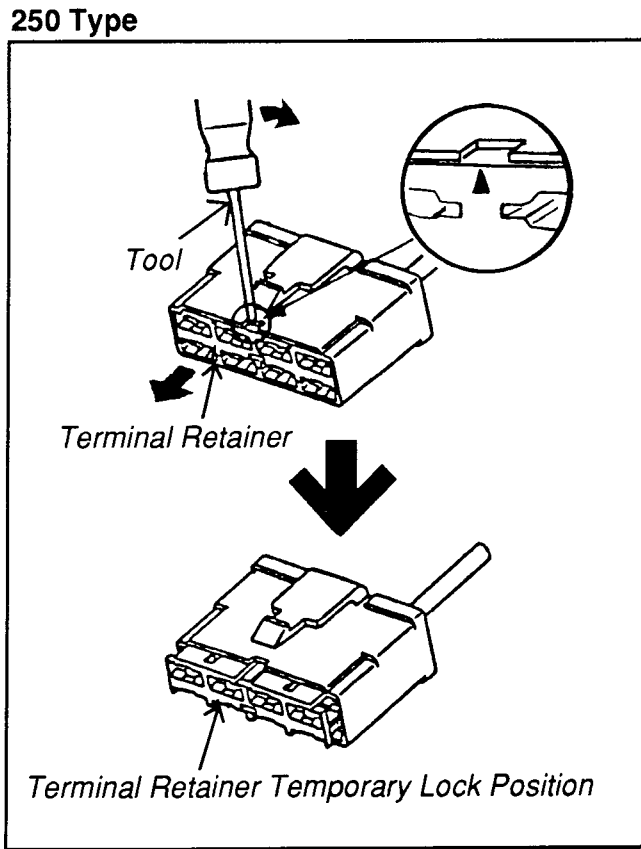


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B. Female Connector Non-Waterproof Type

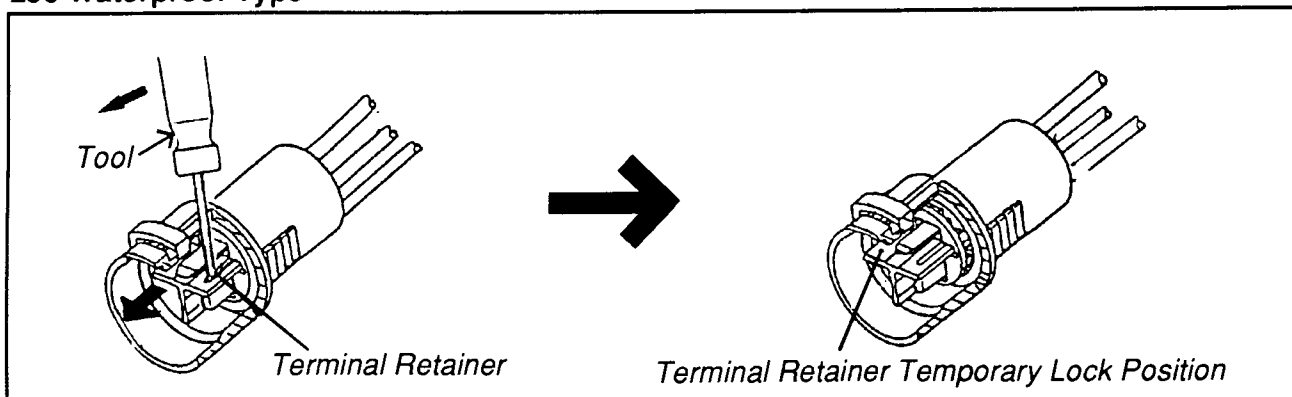
Push the terminal retainer out to the temporary lock position (see illustration below).



C. Male Connector Waterproof Type

Insert the special tool straight into the terminal retainer access hole in the connector body (see illustration below). Push the terminal retainer out to the temporary lock position.

250 Waterproof Type



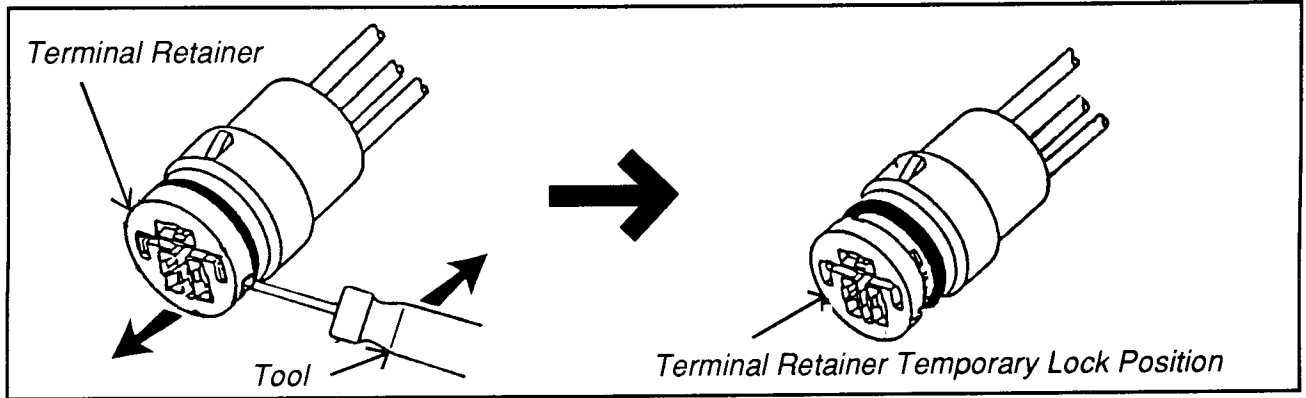
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D. Female Connector Waterproof Type

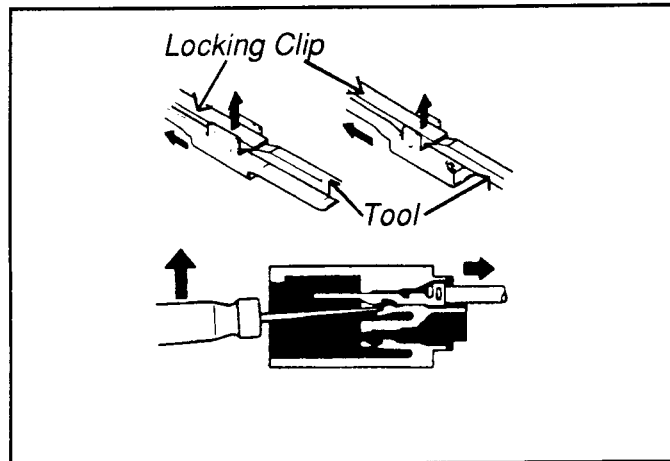
Insert the special tool straight into the terminal retainer access hole in the connector body (see illustration below). Push the terminal retainer out to the temporary lock position.

250 Waterproof Type



4. Disconnect Terminal from Connector

Release the locking clip from the terminal and pull out from the rear (see illustration below).

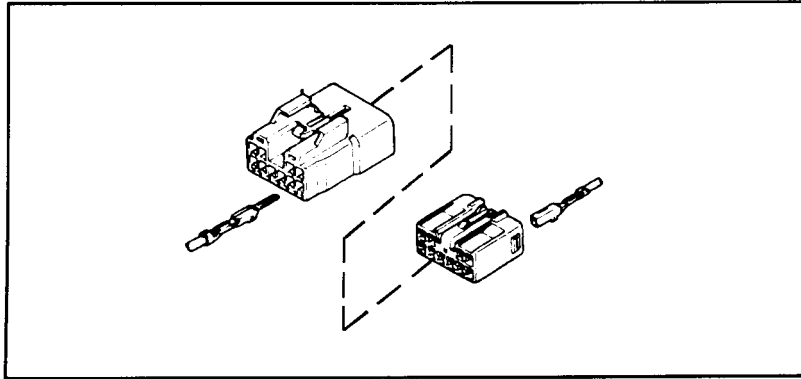


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5. Install Terminal to Connector

Insert terminal into the new connector (see illustrations below).

- a) Verify the terminal is properly crimped.
- b) Insert the terminal with the terminal retainer in the temporary lock position.
- c) Insert the terminal until the locking clip locks firmly in place.



Example:

