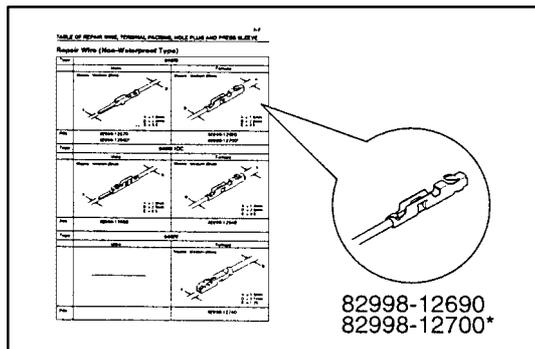


**Step 1. Identify the connector and the terminal type.**

Confirm whether the connector you require is the non-waterproof, waterproof or combined terminal type connector from the pictures provided in the following charts.

Connector	Description
Non-Waterproof Type	Those connectors which are not of the waterproof or combined terminal type.
Waterproof Type	Waterproof material (hole plug or terminal packing) is provided on the terminal/connector body.
Combined Terminal Type	Terminals of different shape/size are located in one connector.

**B**



**1. Terminal with Wire**

Identify the part number of the terminal with wire by picking out the corresponding illustration from the pictures provided on the following charts.

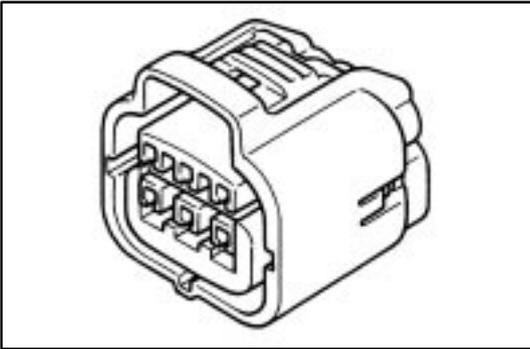
**HINT:** In some of the illustrations, there are two part numbers for the same illustration of terminal with wire, because although the shapes of the terminals are completely the same, there is a difference in with /without gold-plating (gilded).

**Remark:** The length of the wire connected to the terminal is approximately 150 mm.

## TERMINAL AND CONNECTOR REPAIR—TERMINAL REPLACEMENT

### NOTICE:

- When the terminal used is gold plated, be sure to replace it with a gold plated terminal when marking repairs.
- Do not use male and female terminals which are made of different materials from each other.



### 2. Connector Body

- Identify the part number of the corresponding terminal with wire according to the above-mentioned 1.
- Identify the part number of the connector body by picking out the correct one from the illustrations according to the number of terminals and the shape.

**B**

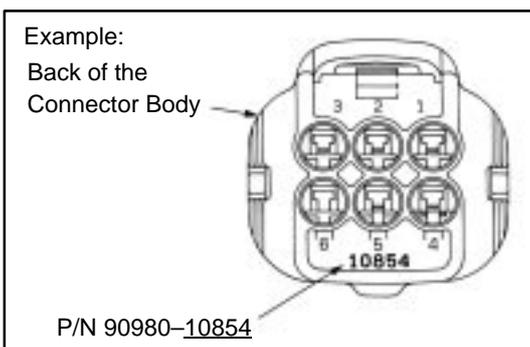
### HINT:

- If you can find no connector which matches the type you require, pick out male and female connector bodies as a set which have more terminals than you require.

For the combined terminal type connector body, pick out an appropriate connector body for each terminal being used.

### Example:

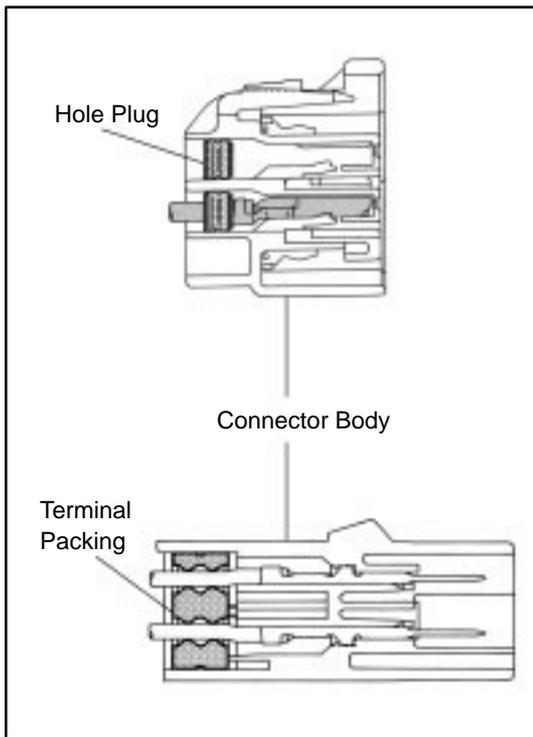
When two types of terminal are used in one connector body, pick out a male and female for two different connector bodies.



- The part number has been stamped on the back of the connector body. (This will continue to be done to new types of connector.)

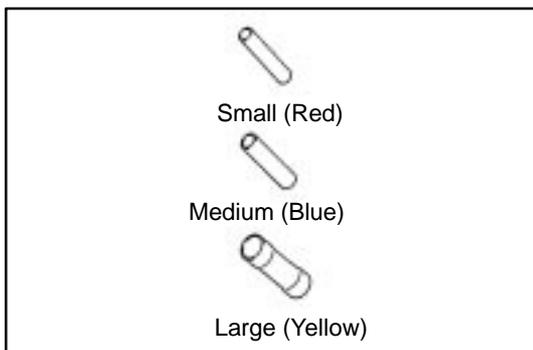
TERMINAL AND CONNECTOR REPAIR—TERMINAL REPLACEMENT

B



3. Hole Plug/Terminal Packing

- (a) Identify the part number of the appropriate terminal with wire/connector body from the illustrations of waterproof type connector according to the above-mentioned 1 and 2.
- (b) Identify the part number of the hole plug/terminal packing from the corresponding illustration.

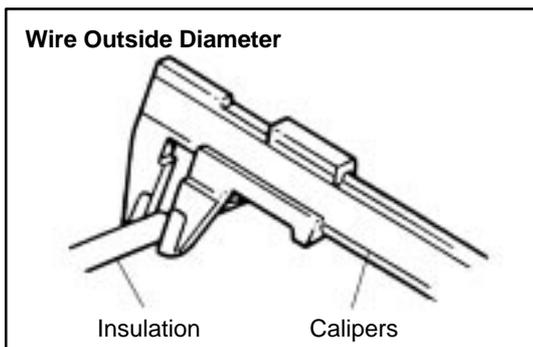


4. Sleeve

When connecting two wires using a sleeve, select the sleeve according to the following table.

Wire Outside Diameter	Sleeve Size (Color)
0.2–1.0 mm	Small (Red)
1.0–2.0 mm	Medium (Blue)
3.0–5.0 mm	Large (Yellow)

- (a) When size is based on the outside diameter of the wire.



**TERMINAL AND CONNECTOR REPAIR-TERMINAL REPLACEMENT**

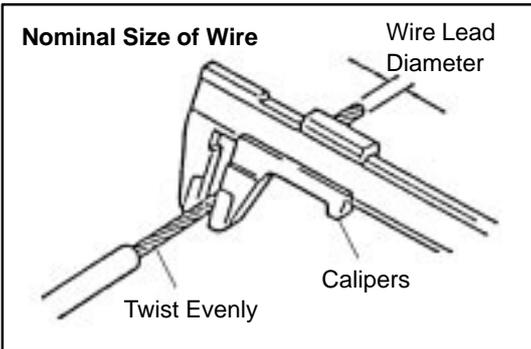
* \ *	0.3	0.5	0.85	1.25	2	3	5
0.3	S	M	M	M	M	L	L
0.5	M	M	M	M	M	L	L
0.85	M	M	M	M	L	L	L
1.25	M	M	M	M	L	L	L
2	M	M	L	L	L	L	—
3	L	L	L	L	L	L	—
5	L	L	L	L	—	—	—

\* Nominal size of the wire

(b) When size is based on the nominal size of the wire.

Sleeve size

- S : Small (Red)
- M : Medium (Blue)
- L : Large (Yellow)

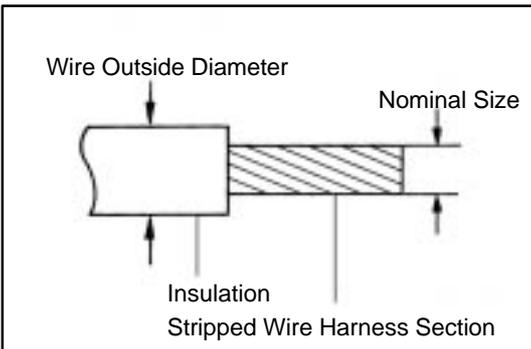


HINT: To calculate the "Nominal Size" of the wire.

Nominal size =

$$\frac{3.14 \times (\text{Diameter of stripped wire harness})^2}{4}$$

**B**



HINT: Outside Diameter and Nominal Size