

CONNECTOR INFORMATION

SERVICE TOOLS

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AMP DIE.....	529 035 908	441
CRIMPING TOOL (KOSTAL).....	529 035 909	441

SERVICE TOOLS – OTHER SUPPLIER

Description	Part Number	Page
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DELPHI METRI-PACK REMOVAL TOOL (GREEN).....	12094429	441
JAE EXTRACTION TOOL	ET-MX44-1	441
SNAP-ON SCREWDRIVER	TT600-5	437

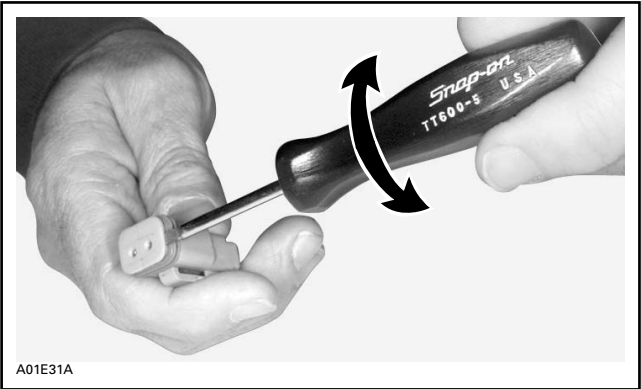
GENERAL

DEUTSCH CONNECTOR

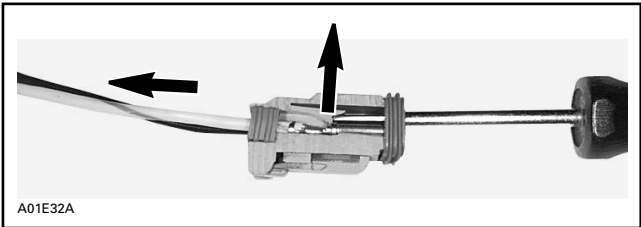
Connector Disassembly

Male Housing

Insert SNAP-ON SCREWDRIVER (P/N TT600-5) under lock and twist to lift it.



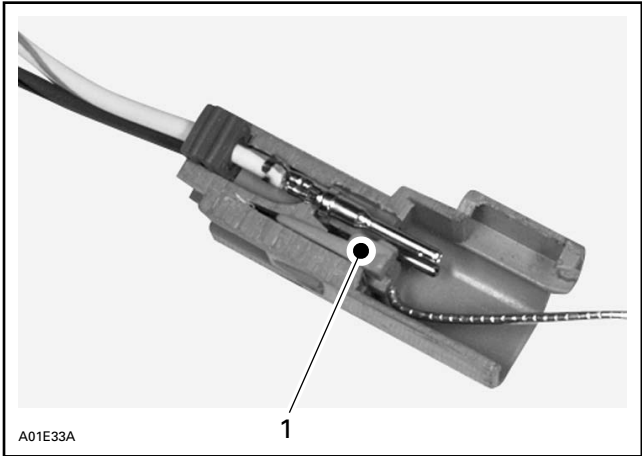
Pry tab to free connector then pull wire out of housing.



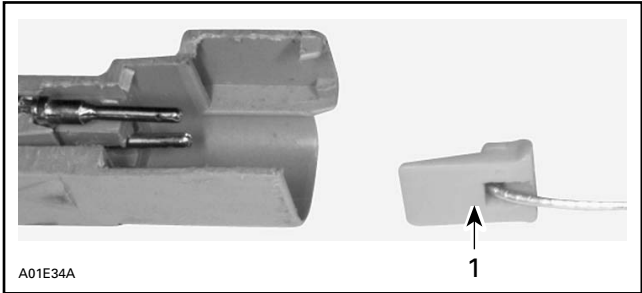
FEMALE CONNECTOR HOUSING — CUT-AWAY

Female Housing

Using a small hook, pull out the lock.



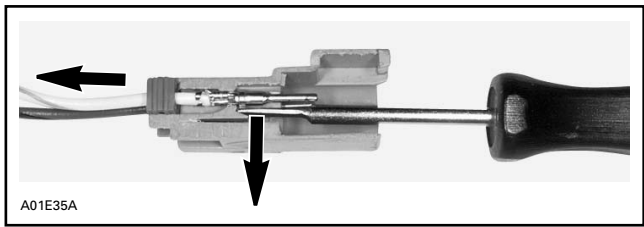
1. Lock



1. Lock

Pry tab to free connector then pull wire out of housing.

Section 09 WIRING DIAGRAM
Subsection 02 (CONNECTOR INFORMATION)



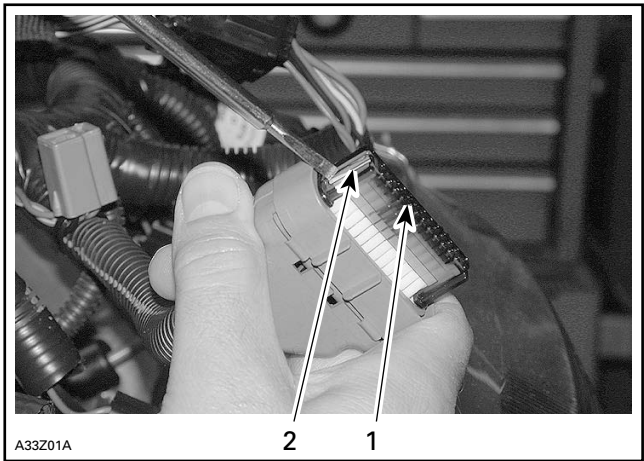
FEMALE HOUSING — CUT-AWAY

PACKARD CONNECTOR

Connector Disassembly

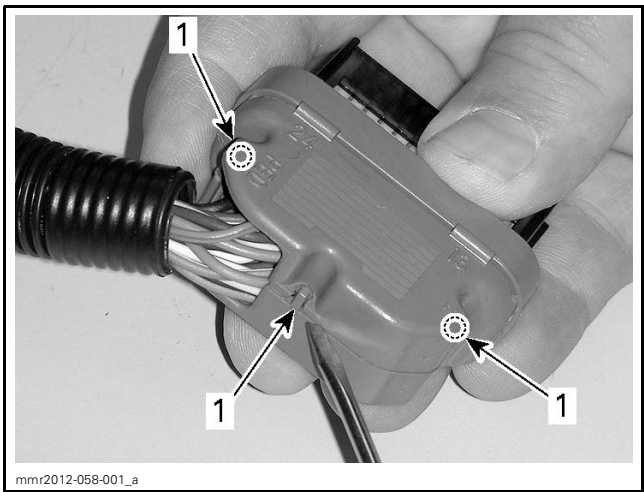
Multifunction Gauge

Push on both tabs to remove retainer.



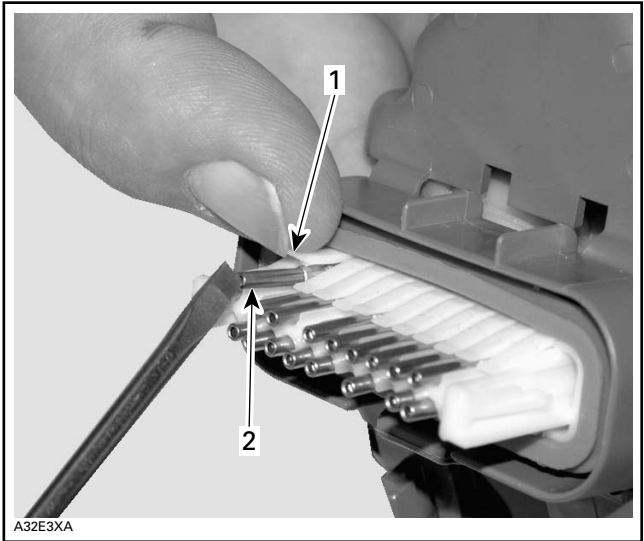
TYPICAL
1. Retainer
2. Tab (one on each side)

Open connector housing by lifting 3 retaining tabs.



TYPICAL
1. Tabs (2 are hidden from view)

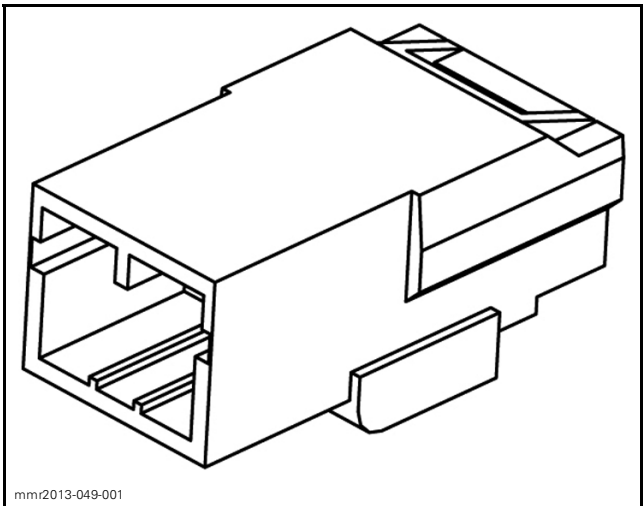
Lift the top plastic lock of the female terminal to be removed and hold in position. Lift the female terminal to unlock from the housing and push out of housing.



1. Lift and hold plastic lock
2. Lift to unlock and push out

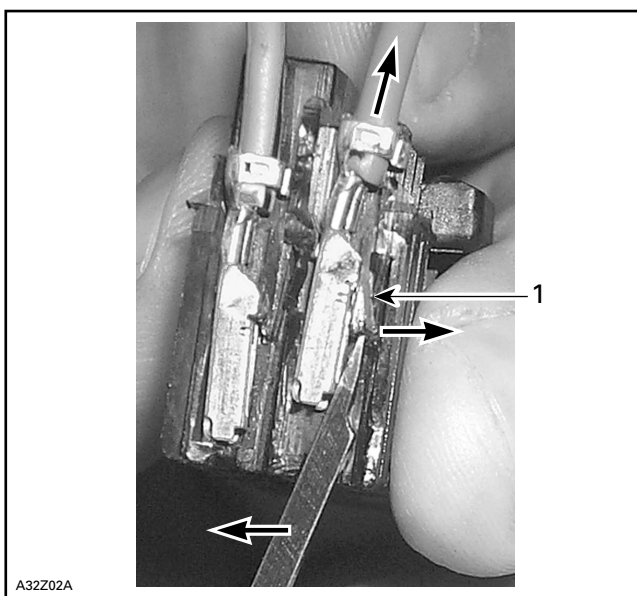
AMP MULTILOCK CONNECTOR
(e.g: STEERING HARNESS
CONNECTORS (RH/LH))

Connector Disassembly



Male Housing

Insert AMP EXTRACTION TERMINAL TOOL (P/N 755430-2) under lock and twist to lift it.

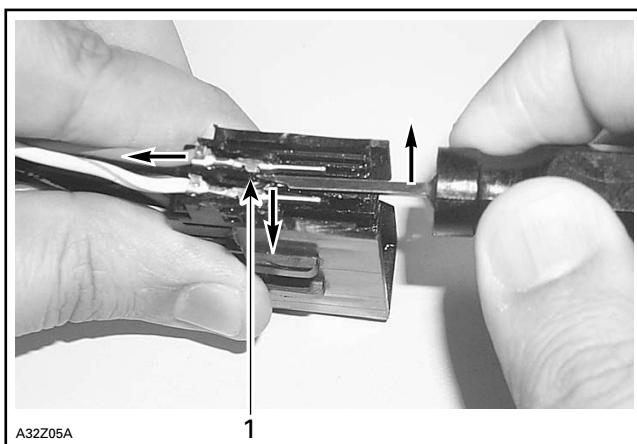


TYPICAL MALE HOUSING - CUT-AWAY
1. Lock

Female terminals can be removed from housing with sharp head pin.

Female Housing

Insert AMP EXTRACTION TERMINAL TOOL (P/N 755430-2) under lock and twist to lift it.



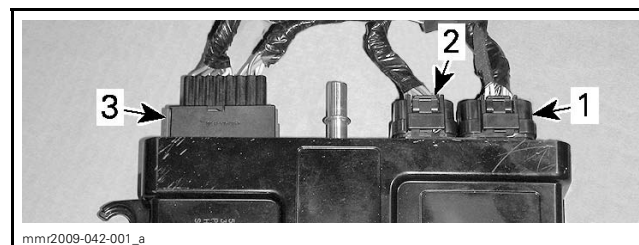
TYPICAL FEMALE HOUSING — CUT-AWAY
1. Lock

Terminal Crimping

Refer to *TERMINAL CRIMPING (AMP MULTI-LOCK)* in this subsection.

AMP CONNECTOR

Connector Identification

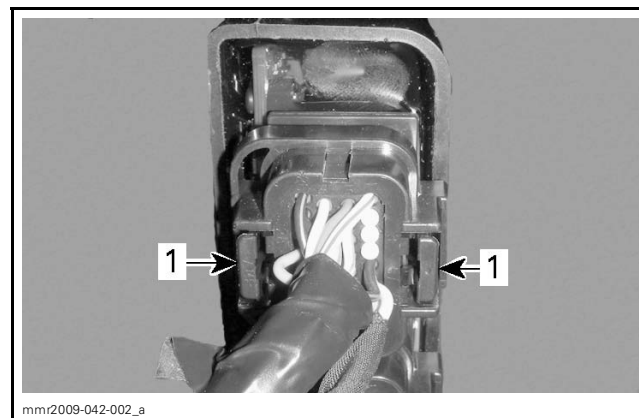


1. J1A connector
2. J1B connector
3. J2 connector

Connector Removal

J1A and J1B Connectors

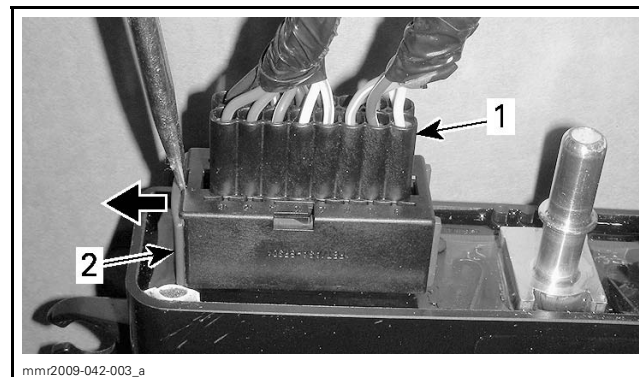
Depress both latches and pull connector housing.



1. Latches

J2 Connector

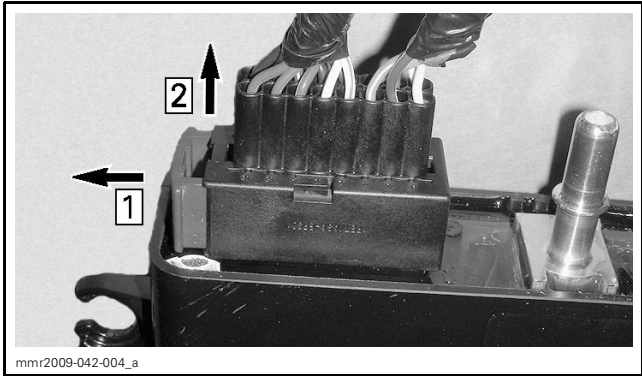
Using a small screwdriver, open the connector lock.



1. Connector
2. Connector lock

Pull the lock approximately 20 mm (3/4 in) to remove the connector.

Section 09 WIRING DIAGRAM
Subsection 02 (CONNECTOR INFORMATION)

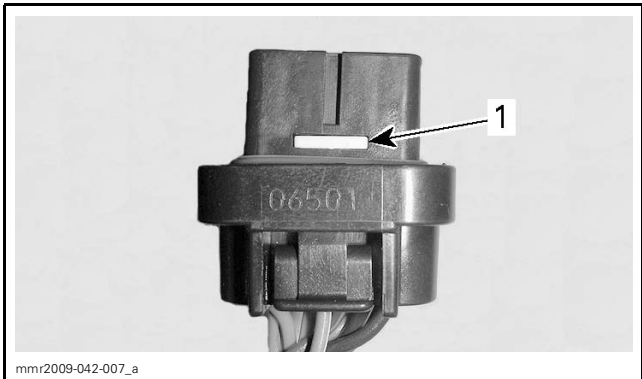


Step 1: Pull lock
Step 2: Lift the connector

Connector Disassembly

J1A and J1B Connectors

Push the lock mechanism to open it.

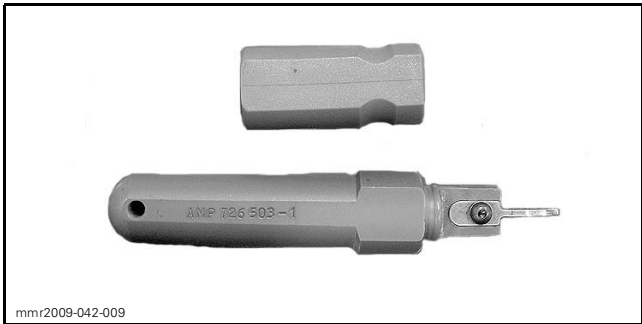


1. Lock mechanism

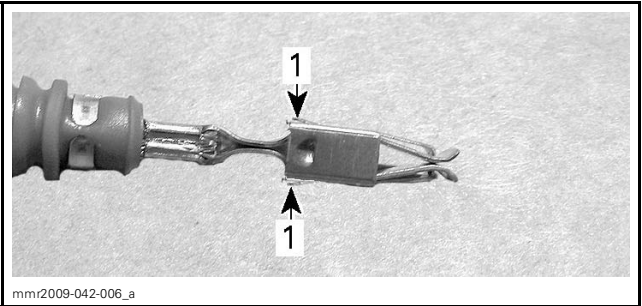
Pull on wire to extract terminal from connector housing.

J2 Connector

Using the AMP EXTRACTION TERMINAL TOOL (P/N 726503-1), release both locking tabs of connector. Pull terminal from housing.



AMP EXTRACTION TERMINAL TOOL



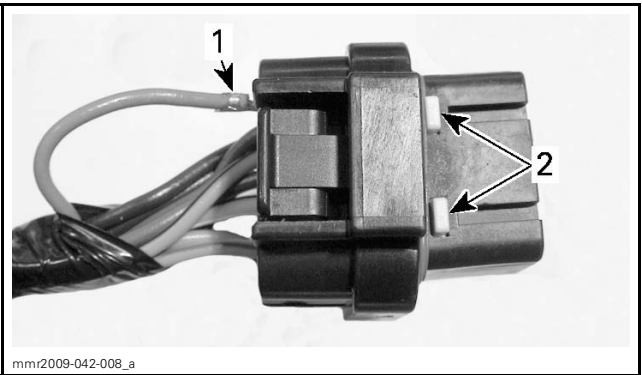
1. Locking tabs

Connector Assembly

J1A and J1B Connectors

Push terminal through seal until it is seated in connector housing.

Close the lock mechanism.



1. Insert terminal into housing
2. Push here to close the lock mechanism

NOTE: If the locking mechanism does not engage, it is likely due to an improperly inserted terminal. Look at the end of connector to see if a terminal is partially out. If, so push the corresponding wire fully into connector then lock mechanism.



1. Terminal fully inserted in connector

J2 Connector

Align terminal with connector housing and push terminal with seal into connector housing until seated.

Terminal Crimping

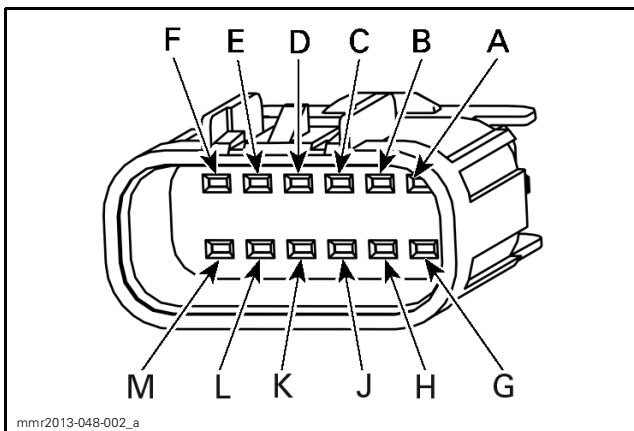
Refer to *TERMINAL CRIMPING (AMP MULTI-LOCK)* further in this subsection for procedure.

DELPHI CONNECTOR (GT 150) (e.g: HEADLAMP (HL), STEERING HARNESS (SH, WMS))

TERMINAL EXTRACTION TOOL
DELPHI METRI-PACK REMOVAL TOOL (GREEN) (P/N 12094429)

Terminal Information (SH Connector)

Please note that the 12-pin steering harness connector (SH), the letter "i" is skipped in the terminal lettering. See illustration.



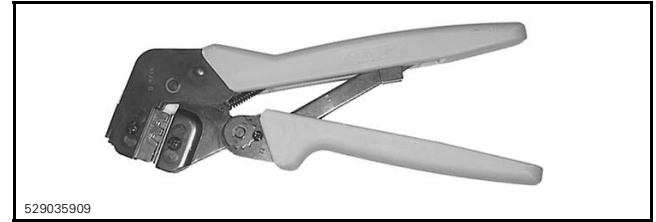
NOTICE THE MISSING "I" LETTER

JAE CONNECTOR (MX44) (e.g: THCM)

TERMINAL EXTRACTION TOOL
JAE EXTRACTION TOOL (P/N ET-MX44-1)

TERMINAL CRIMPING (AMP MULTILOCK)

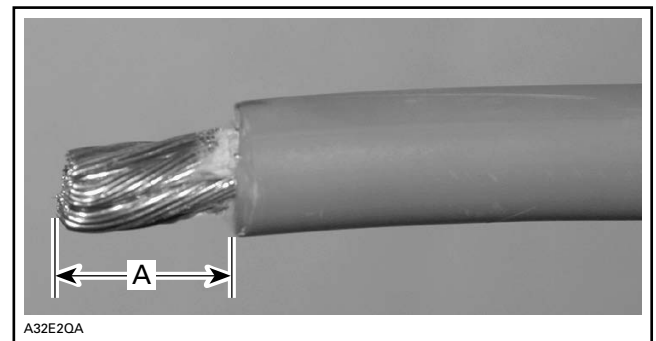
To crimp a new connector terminal, use the CRIMPING TOOL (KOSTAL) (P/N 529 035 909) and the AMP DIE (P/N 529 035 908).



CRIMPING TOOL

To properly crimp the terminal on the wire, strictly follow this procedure.

Strip the wire to a maximum of 3 mm (1/8 in).

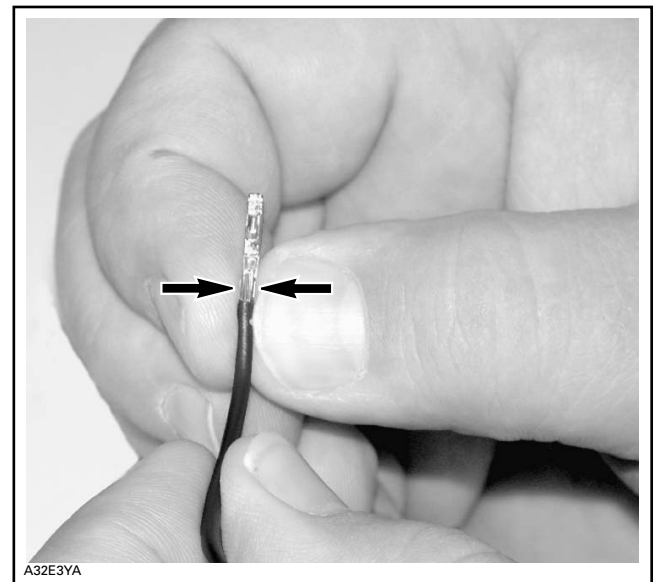


TYPICAL

A. 3 mm (1/8 in) maximum

Position wire in terminal.

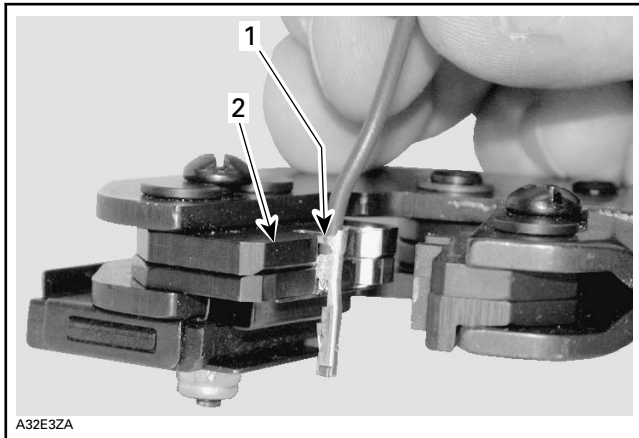
Squeeze the terminal tabs with your fingers to temporarily retain terminal in place.



Insert terminal with wire in crimping pliers and position it so the top of the terminal tabs are flush with the pliers edge, or a little bit lower as shown.

Section 09 WIRING DIAGRAM

Subsection 02 (CONNECTOR INFORMATION)



1. *Top of terminal tabs*
2. *Align tabs with pliers edge*

Crimp terminal. Ensure all wire strands are in the terminal. If not, the loose strands may cause strange problems in the electrical system.