



# YITA Motor

## MR-051

### Part List

- 1 Driver left side tow mirror
- 1 Passenger right side tow mirror
- 6 M6 hex nut

### Level of Difficulty

Easy

### Product image

### Tools Required

- 10mm socket
- Ratchet
- Philips screwdriver
- Trim tool
- Torque wrench

### Torque

M6 5ft. lbs



### Notes Before Installation

Disconnect battery ground cable before installation.

For models without factory mirror lamps, add sales code on ECU will required, or lamps will not work properly.

For models without reinforce bracket, the bolts on new mirrors need to replace by the original bolts on factory mirrors.

Please keep the original mirror set for a while.

## Step 1

Remove upper triangular trim.  
Pry up door switch, disconnect wire harness.



## Step 2

Pry up the plastic panel behind door handle lever.  
Remove the Philips screw inside.



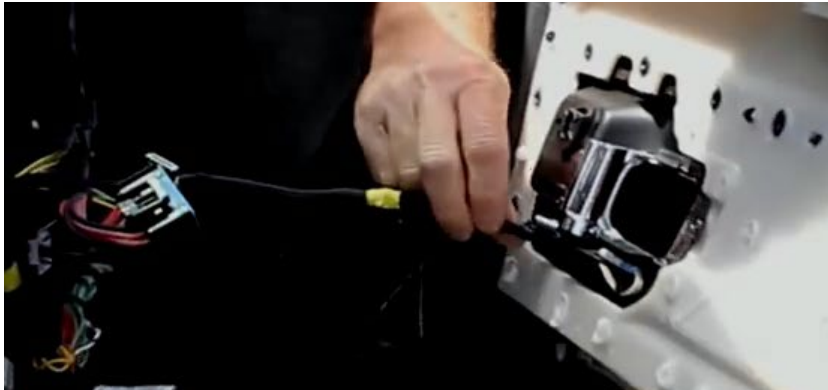
## Step 3

Pull door handle lever and remove door handle trim.  
Remove six rivets around inner door panel.



## Step 4

Lift and release inner door panel away from front door.  
Disconnect door lock harness.



## Step 5

Disconnect mirror harnesses, black and white plugs, from door module.  
Remove three 10mm hex nuts.  
Remove original mirror.



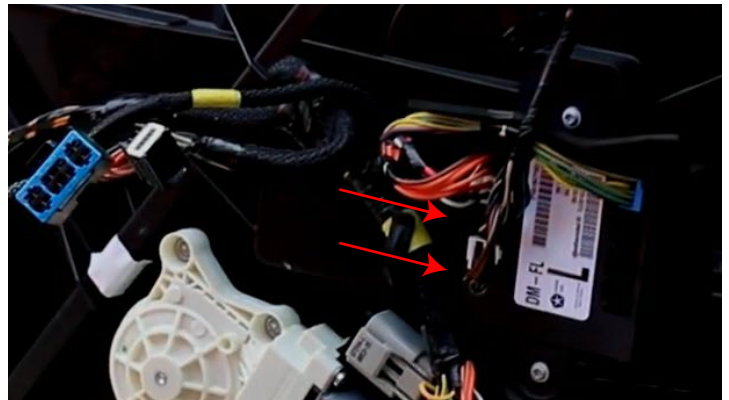
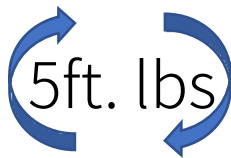
## Step 6

Align the tab on mirror base with the slot on door panel.  
Attach new mirror and finger tight three 10mm hex nuts.



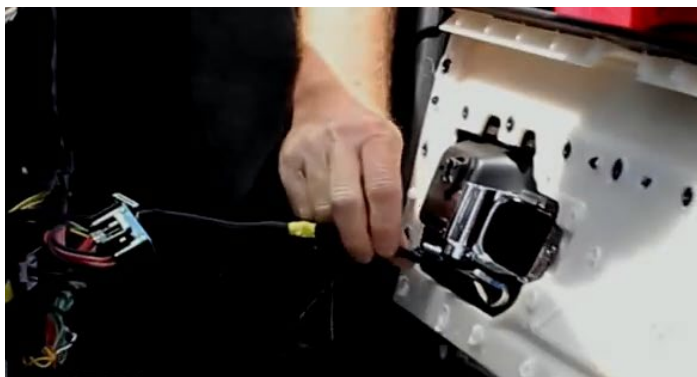
## Step 7

Tighten nuts with 5ft. lbs. torque.  
Connect mirrors harness with door module



## Step 8

Connect door lock harness.  
Feed the door harness plugs through the inner door panel.





## Step 9

Attach inner door panel on.

Insert and lock six rivets around door panel.



## Step 10

Connect door harness plugs with door switch.

Attach and pop on door switch.



## Step 11

Reinstall upper triangular trim.

Repeat above steps on the other side and connect battery ground wire.

## Official Explanation About Program to Configuration Tow Mirror Lamps

We quote official instruction below.

### Trailer Tow Mirror Lamp Configuration

**NOTE: If the vehicle already has turn signal and courtesy lamps you do not have to perform the configuration.**

Vehicle VIN must be updated with the sales code of the added accessory in order to enable system functionality. Using the DealerCONNECT website and the scan tool, complete the procedure below:

1. Log on to <https://dealerconnect.chrysler.com>
2. In the service tab, inside the Warranty Administration box, locate "Vehicle Option Updates." Enter the vehicle VIN and add the sales codes **LEB** (Ext. Mirrors w/supplemental signals) and **LEC** (Ext Mirrors Courtesy Lamps) as a "Dealer Installed Option".
3. Confirm that the new sales code has been successfully added to the VIN.

### UPDATE VEHICLE CONFIGURATION

**NOTE: The wiTECH software level must be at the latest release to perform this procedure.**

4. With the wiTECH tool connected to both the internet (via Ethernet port or wireless connection) and the vehicle, follow the steps below:
5. Use the wiTECH tool to run "Restore Vehicle Configuration" which can be found in the Vehicle Preparations tab of the main topology screen. Following the prompts will upload the new vehicle configuration to the BCM.
6. Cycle the ignition off and then back on.
7. CLEAR ALL DTCs

Reference Links: <https://moparonlineparts.com/docs/82214909AB.pdf>

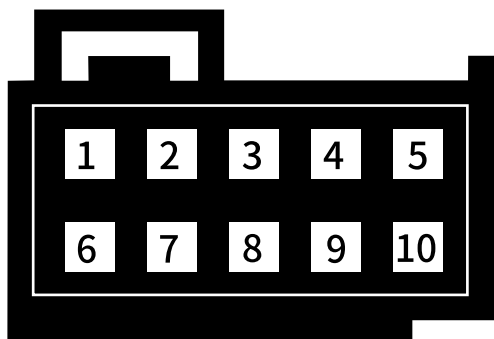
Or you can use the 3rd party software "Alfa OBD" on Android or PC with Bluetooth OBD2 device to program your RAM.

Reference Links: <http://alfaobd.com/>

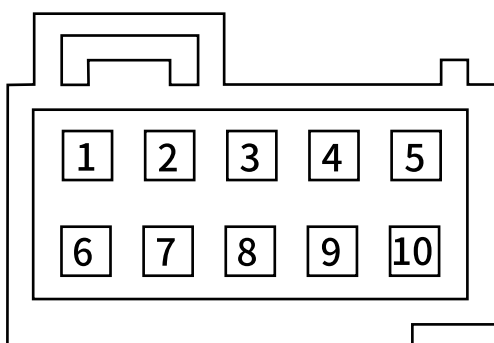
## Ambient Sensor Configuration

Aftermarket tow mirrors with replacement ambient sensor, sometimes the sensing range and accuracy cannot compare with original ambient sensor. If you require accuracy temperature readings in vehicle, the ambient sensor in new tow mirrors can be easily replaced by the original sensor on factory mirrors. The sensor was non-polarized.

## Wiring Diagram



1,2,3: Mirror Motor  
4,5: Turn Signal  
6,7: Power Fold (NOT Equipped)  
8,9: Mirror Heater  
8,10: Ambient Sensor (Left ONLY)



1,5: Mirror Direction Reversal  
6,7: Courtesy Lamp  
9,10: Auto Dim (NOT Equipped)