

GENUINE PASSENGER AIR BAG DEACTIVATION SWITCH KIT

INSTALLATION INSTRUCTION

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WARNING: YOU COULD BE SERIOUSLY INJURED AND THE CUSTOMER CAN BE SERIOUSLY INJURED IF YOU DON'T FOLLOW THESE STEPS VERY CAREFULLY – REFRESH YOURSELF ON THE SPECIFIC WARNINGS. PLEASE THINK ABOUT STAYING OUT OF THE WAY OF THE AIR BAGS AS YOU DISCONNECT AND ACTIVATE SYSTEMS. IT IS ALSO BEST FOR YOU TO DO THE WHOLE OPERATION AT ONE TIME SO YOU DON'T GET DISTRACTED. TAKE SPECIAL STEPS TO MAKE SURE YOU OR A KNOWLEDGEABLE PERSON EXPLAIN THE SWITCH TO THE CUSTOMER.

PART NAME: PASSENGER AIR BAG DEACTIVATION SWITCH KIT
PART NUMBER: GDY0 76 KD0
VEHICLE: MAZDA6

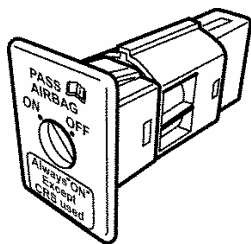
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PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

KIT CONTENTS

GDY0 76 KD0



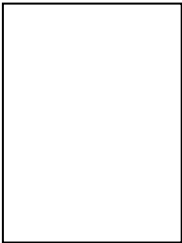
PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH (1)



GLOVE LAMP ASSY (1)



BULB (1)



INSTRUCTION SHEET (1)

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

SERVICE PROCEDURE:

1. Verify the contents of the kit. The kit must contain the following (refer to Kit Contents box on Sheet 2):

- 1 Passenger Air Bag Deactivation (PAD) Switch
- 1 Glove lamp assy
- 1 Bulb
- 1 Instruction Sheet

NOTE: In addition to the above, the dashboard garnish kit is required for right-hand drive vehicles. Purchase separately and install.

If the kit **DOES NOT** contain the parts listed above, **DO NOT** proceed. Verify the application and model year, and then obtain the correct kit.

BE SURE TO FOLLOW THESE INSTRUCTIONS WHEN INSTALLING THE PASSENGER AIR BAG DEACTIVATION SWITCH KIT.

READ THE INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE PROCEEDING WITH THE INSTALLATION OF THE AIR BAG DEACTIVATION SWITCH KIT.

WARNING: ALWAYS WEAR SAFETY GLASSES WHEN REPAIRING AN AIR BAG SUPPLEMENTAL RESTRAINT SYSTEM (SRS) VEHICLE AND WHEN HANDLING AN AIR BAG MODULE.

WARNING: CARRY A LIVE AIR BAG MODULE WITH THE AIR BAG AND DEPLOYMENT DOOR POINTED AWAY FROM YOUR BODY. THIS WILL REDUCE THE RISK OF INJURY IN THE EVENT OF AN ACCIDENTAL DEPLOYMENT.

WARNING: DO NOT SET A LIVE AIR BAG MODULE DOWN WITH THE DEPLOYMENT DOOR FACE DOWN.

WARNING: NEVER PROBE THE CONNECTORS ON THE AIR BAG MODULE. DOING SO MAY RESULT IN AIR BAG DEPLOYMENT, WHICH COULD RESULT IN PERSONAL INJURY.

WARNING: THE ELECTRICAL CIRCUIT NECESSARY FOR SYSTEM DEPLOYMENT IS POWERED DIRECTLY FROM THE BATTERY AND BACKUP POWER SUPPLY. TO AVOID ACCIDENTAL DEPLOYMENT AND POSSIBLE PERSONAL INJURY, THE BATTERY GROUND (-) CABLE (S) MUST BE DISCONNECTED FOR AT LEAST ONE (1) MINUTE.

2. Adjust the driver and passenger seat full rearward.

3. Make sure the vehicle will not move or roll. Put the shift lever in "P" (PARK) (ATX), or Neutral (MTX). Set the parking brake and block the wheels in both directions.

WARNING: WHEN PERFORMING THIS PROCEDURE, YOU WILL NEED TO SHIFT BETWEEN "P" (PARK) AND "1" (FIRST) (ATX), OR NEUTRAL (MTX). TO PREVENT THE VEHICLE FROM MOVING AND POTENTIALLY CAUSING INJURY, BE SURE THE PARKING BRAKE IS SET, THEN BLOCK THE WHEELS IN THE BOTH DIRECTIONS.

4. Prove out the system. Prove out the system means to turn the ignition switch from the "LOCK" to "ON" position and visually monitor the air bag system warning light in the cluster with the air bag module installed. The air bag system warning light will illuminate continuously for approximately six (6) seconds and then turn off. If an air bag Supplemental Restraint System (SRS) fault is present, the air bag system warning light will either:

- Not turn off after approximately 6 seconds.
- Not come on at all when the ignition is turned on.

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

The flashing may occur until approximately six (6) seconds after the ignition switch has been turned from "LOCK" to "ON" position. This is the time required for the air bag diagnostic monitor to complete the testing of the SRS. The air bag system warning light may signal various trouble codes if there are problems in the air bag system – those codes must be resolved before proceeding.

NOTE: If the air bag system requires repair, the repair must be made by a qualified technician. Refer to the appropriate Workshop Manual for diagnostic procedures.

If the air bag system warning light goes off at 6 seconds there will be no audible tones (beeps) after self test, the air bag system is operational. Proceed to Step 5.

5. Record the preset radio frequencies.

WARNING: TO AVOID ACCIDENTAL DEPLOYMENT AND POSSIBLE PERSONAL INJURY, THE BACKUP POWER SUPPLY MUST BE DEPLETED BEFORE REPAIRING OR REPLACING ANY AIR BAG SUPPLEMENTAL RESTRAINT SYSTEM (SRS) COMPONENTS. TO DEplete THE BACKUP POWER SUPPLY ENERGY, DISCONNECT THE BATTERY GROUND CABLE AND WAIT AT LEAST ONE (1) MINUTE. BE SURE TO DISCONNECT AUXILIARY BATTERIES AND POWER SUPPLIES (IF EQUIPPED).

6. Deactivate the air bag system.

- A. Disconnect the battery ground (-) cable. Be sure to disconnect auxiliary batteries and power supplies (if equipped).
- B. Wait at least one (1) minute for the backup power supply in the SAS control module to deplete its stored energy.

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

DISASSEMBLY PROCEDURE:

The directions are given for left-hand drive vehicles, however, the directions for right-hand drive vehicles are the same.

1. Refer to Figure 1 for area of rework.
2. Remove the upper panel. (refer to Figure 2 and 3)
 - A. Pull the upper panel in the direction of the arrow in the order of (1) and (2), then remove it while detecting clip A (1 location), clips B (6 locations) and clips C (2 locations).

⚠ CAUTION

- When removing clip A, press the connecting part of the center panel lower with a hand to prevent damage to clip A.

- B. Move the upper panel and remove it.

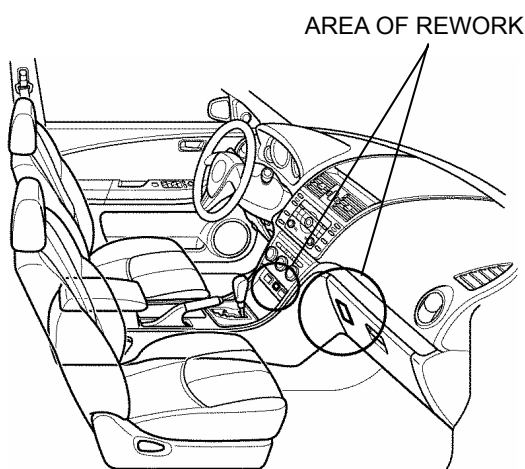


FIGURE 1

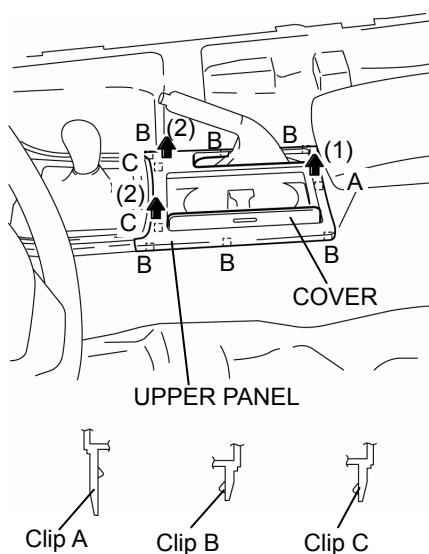


FIGURE 2

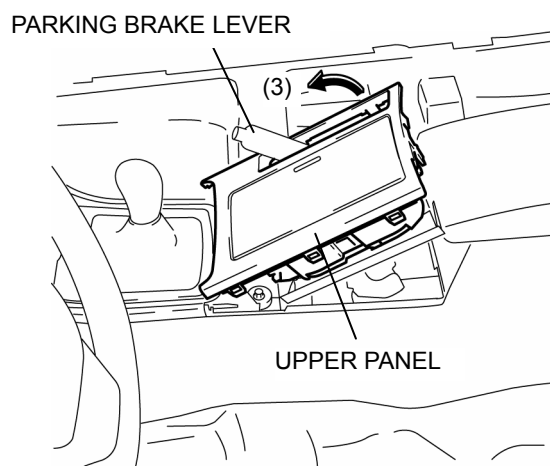


FIGURE 3

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

4. Remove the decoration panel. (driver's side). (refer to Figure 4)
 - A. Pull the decoration panel in the direction of the arrow in the order of (1) and (2), then remove it while detaching the hooks A (3 locations) and clips B (3 locations).
5. Remove the decoration panel. (passenger's side). (refer to Figure 5)
 - A. Pull the decoration panel in the direction of the arrow in the order of (1) and (2), then remove it while detaching the hooks A (3 locations) and clips B (7 locations).
6. Remove the shift panel. (refer to Figures 6)
 - A. Remove the shift lever knob.
 - B. Pull the boot panel in the direction of the arrow shown in the figure and disengage hooks A (8 locations).
7. Remove the center panel lower. (refer to Figures 7)
 - A. Pull the center panel lower in the direction of the arrow in the order of (1) and (2), then remove it while detaching hooks A (2 locations) and clips B (10 locations).
 - B. Disconnect the seat warmer switch connector.
 - C. Disconnect the accessory socket connector.
 - D. Remove the bulb connector of the vehicle wiring harness.

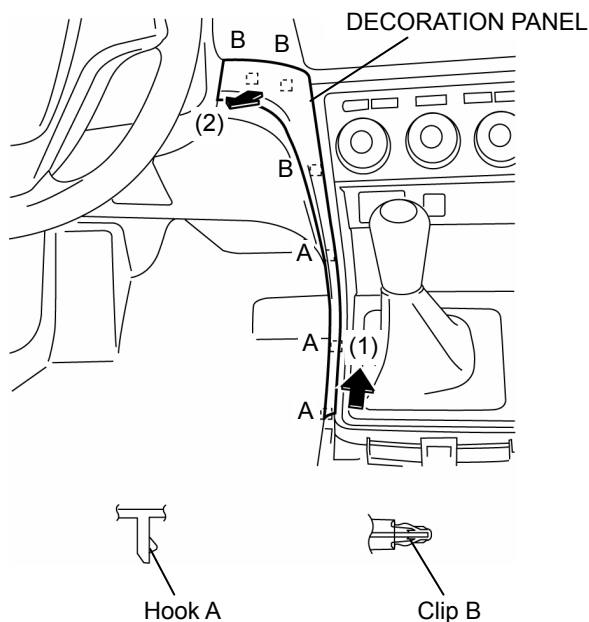


FIGURE 4

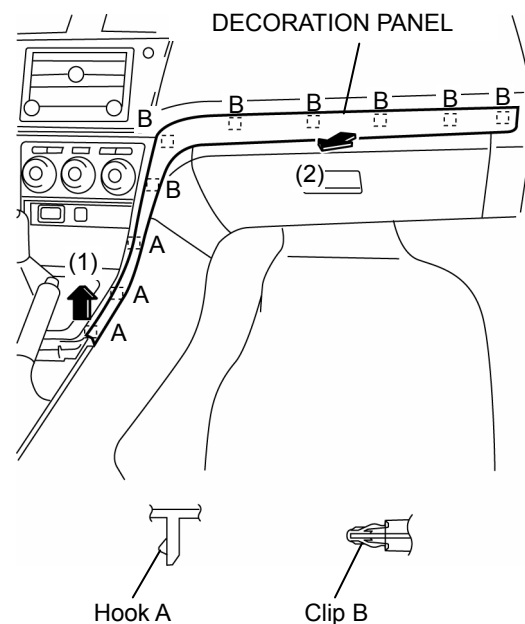


FIGURE 5

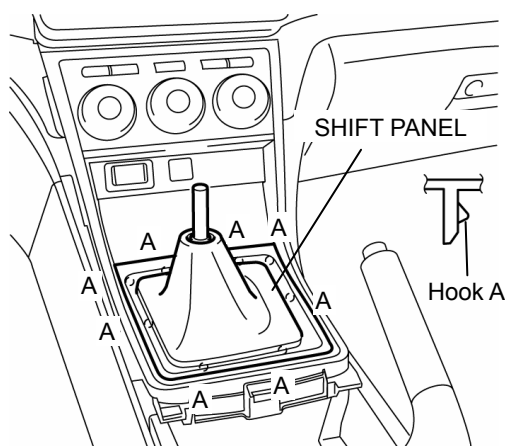


FIGURE 6

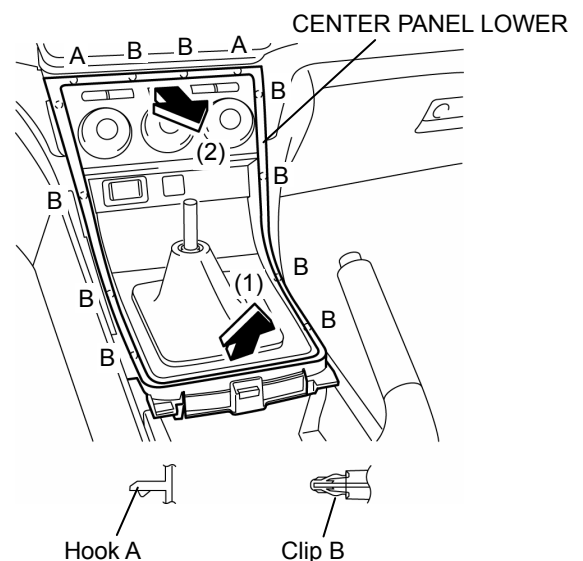


FIGURE 7

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

8. Remove the glove compartment. (refer to Figure 8 to 10).
 - A. Pull the stay damper in the direction of the arrow shown in the figure, and detach the connecting part between the glove compartment and the stay damper. (refer to Figures 8)
 - B. Press both ends of the inner-side glove compartment in the direction of the arrow in the figure. (refer to Figure 9)
 - C. Lower the glove compartment. (refer to Figure 10)
 - D. Detach the hook from the dashboard. (refer to Figure 10)
9. Remove the hole cover. (refer to Figure 11)
 - A. Disconnect the connector.
 - B. Remove the hole cover.

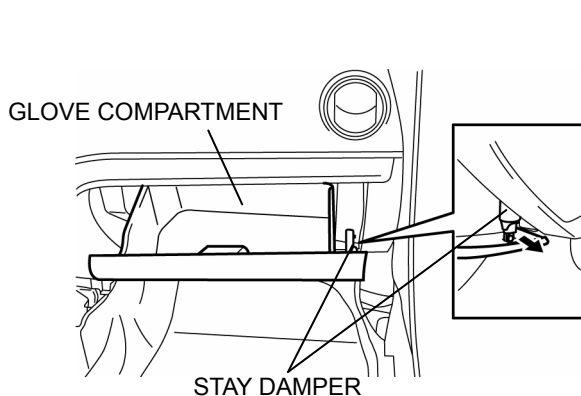


FIGURE 8

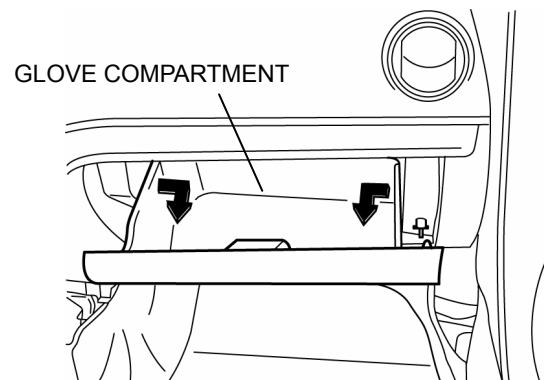


FIGURE 9

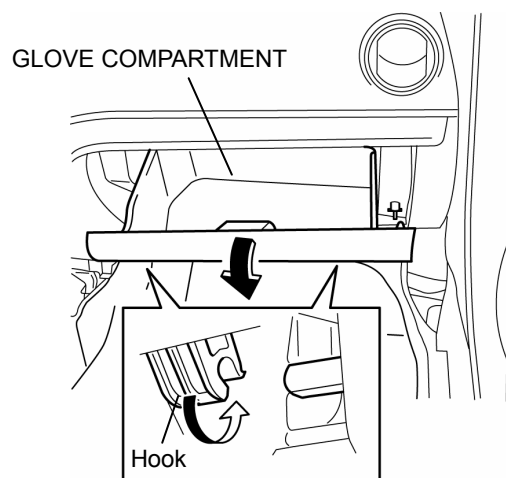


FIGURE 10

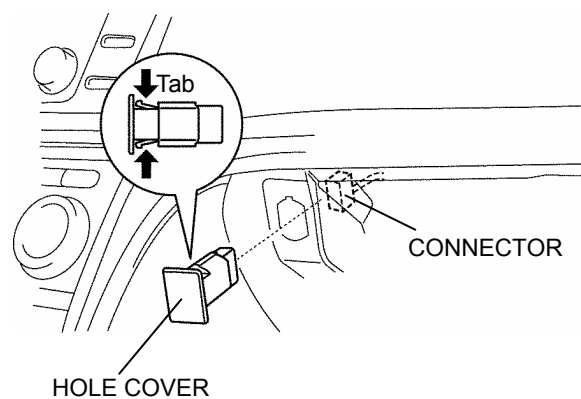


FIGURE 11

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

REWORK PROCEDURE:

1. Install the passenger air bag deactivation (PAD) switch to the dashboard. (refer to Figure 12)
2. Connect the passenger air bag deactivation (PAD) switch to the vehicle wiring harness connector. (refer to Figure 12)
3. Remove the screws, then remove the ashtray assembly. (refer to Figure 13)
4. Remove the cover and install the glove lamp assy. (refer to Figure 14)
5. Install the bulb to the bulb connector of the vehicle wiring harness. (refer to Figure 15)
6. Install the removed vehicle parts in the reverse order of removal.
7. Go to " SAS CONTROL MODULE CONFIGURATION " and " PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH CONFIGURATION " on sheet 9.

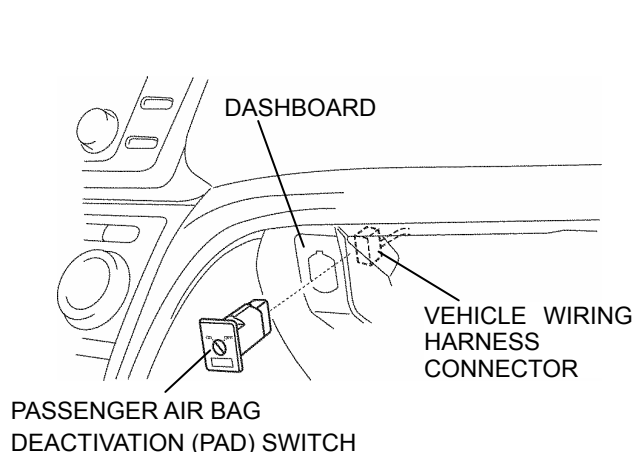


FIGURE 12

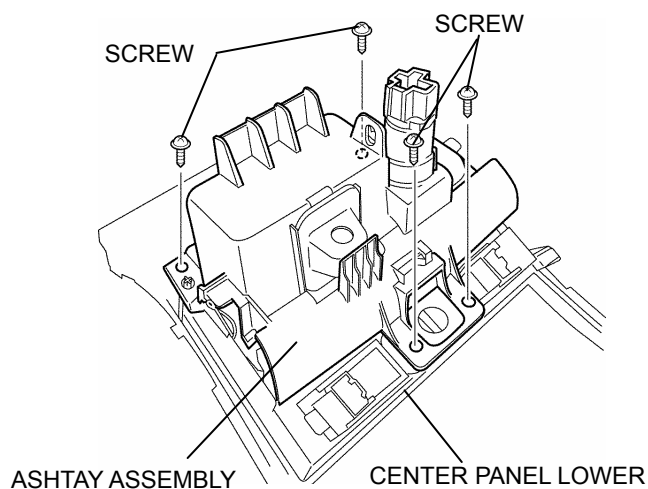


FIGURE 13

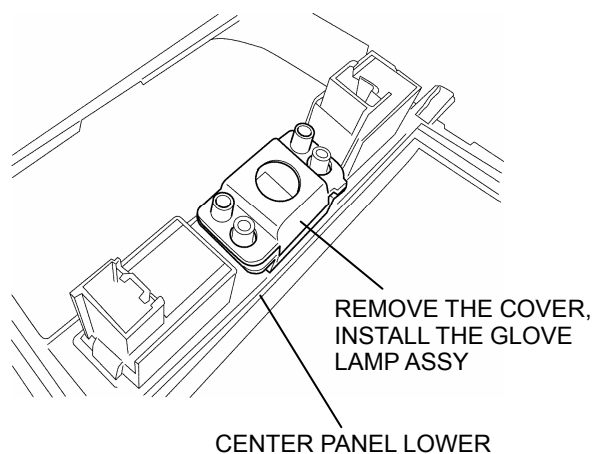


FIGURE 14

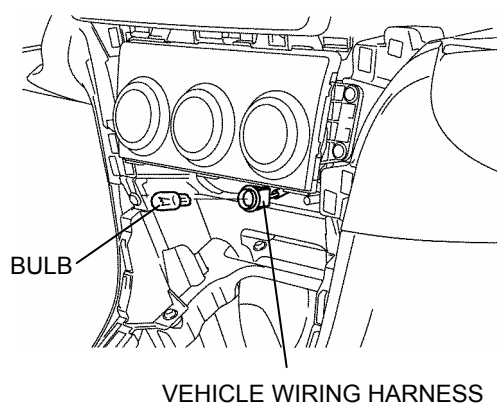


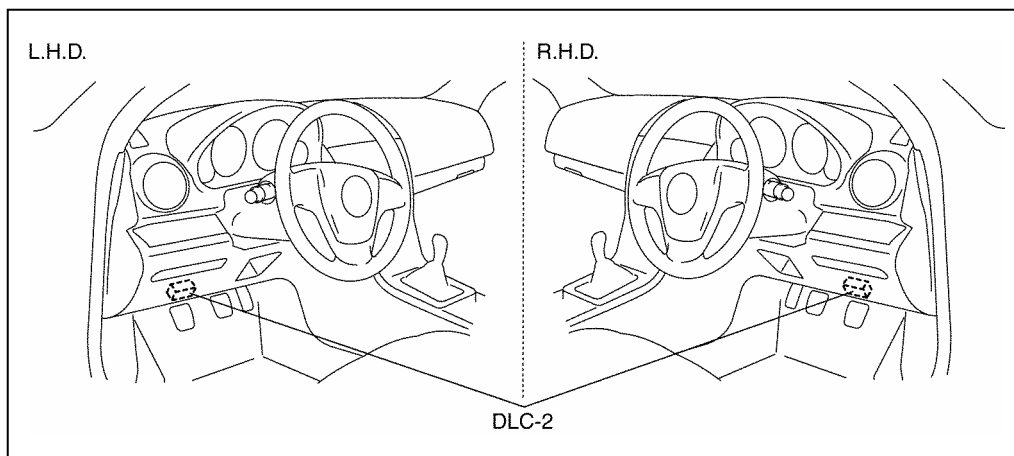
FIGURE 15

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH CONFIGURATION

NOTE

- Use the IDS (laptop PC) because the PDS (Pocket PC) does not support the SAS CONTROL MODULE CONFIGURATION.



1. Connect the Mazda Modular Diagnostic System (M-MDS) to the DLC-2.
2. After the vehicle is identified, select the following items from the initialization screen of the M-MDS.
 - When using the IDS (laptop PC)
 1. Select "Module Programming".
3. Then, select the "Programmable Parameters" and "Passenger Airbag Deactivation" from the screen menu.
4. Perform the configuration according to the directions on the screen.
5. Retrieve DTCs using the M-MDS, then verify if DTCs are present.
 - If a DTC is present, perform the applicable DTC inspection.
Refer to the Mazda6 Workshop Manual "ON-BOARD DIAGNOSTIC [AIR BAG SYSTEM]"

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

FINAL CHECKS OF THE PASSENGER AIR BAG DEACTIVATION (PAD) SYSTEM FUNCTION:

NOTE: The ignition key cannot be fully inserted into the key slot in the passenger air bag deactivation (PAD) switch.

1. Using the ignition key turn the passenger air bag deactivation (PAD) switch to "PASS AIR BAG ON" position.
2. With the ignition ON, verify the air bag warning light disappears after lighting for six seconds.
3. Verify that the passenger air bag deactivation (PAD) indicator disappears.
4. Turn the ignition switch to OFF position and turn the passenger air bag deactivation (PAD) switch to "PASS AIR BAG OFF" position.
5. With the ignition ON, verify the air bag warning light disappears after lighting for six seconds
6. Verify that the passenger air bag deactivation (PAD) indicator "PASS AIR BAG OFF" lights from the passenger side also.
7. Reset the radio frequencies and set the clock.
8. Check for proper operation of lights, radio, cassette and compact disc player (if equipped).
9. Turn the ignition switch to OFF position and turn the passenger air bag deactivation (PAD) switch to "PASS AIR BAG ON" position.

MAKE SURE THE PASSENGER AIR BAG DEACTIVATION (PAD) SWITCH IS IN THE "PASS AIR BAG ON" POSITION WHEN THE VEHICLE IS RETURNED TO THE CUSTOMER.

CUSTOMER HANDOVER PROCESS

1. Explain the use of the passenger air bag deactivation (PAD) switch to the customer making reference to the relevant section in the Owner's Manual.

WARNING: NEVER PLACE A CHILD RESTRAINT IN THE FRONT UNLESS THE PASSENGER AIR BAG IS OFF.

2. Enter the relevant information into the Service History Log.
3. Complete the Declaration form with the customer, photocopy it and give the original to the customer. The photocopy must be retained by the dealership for 10 years under the EU consumer protection legislation (Go to "Dealer and Customer Details").

PASSENGER AIR BAG DEACTIVATION SYSTEM INSTALLATION & DIAGNOSIS

CUSTOMER DECLARATION FORM:

Dealer and Customer details

Dealer	Customer
Name:	Name:
Dealer Number:	Customer Address:
Dealer Address:	

Vehicle Details

Model:	
License Plate:	
Chassis No:	
Speedometer	

Check each box below after reading the following carefully

☐	Information brochure. I certify that I have read the information brochure, passenger air bag deactivation (PAD) switch: Information for an Informed Decision. I understand that air bags should be turned off only for people at risk and turned back on for people not at risk.
☐	Loss of air bag protection. I understand that turning off an air bag may have serious safety consequences. When an air bag is off, even belted people may hit their head, neck, or chest on the steering wheel, dashboard, or windshield in a moderate to serious crash. That possibility may be increased in some newer vehicles with seat belts that are specially designed to work with the air bag. Those belts, which are designed to reduce the concentration of crash forces on any single part of the body, typically allow the occupant to move farther forward in a crash than older belts. Without the air bag to cushion this forward movement, the chance of the occupant hitting the vehicle interior is increased.
☐	Waiver. I understand that motor vehicle dealers and repair businesses may require me to sign a waiver of liability before they install a passenger air bag deactivation (PAD) switch.

Signature

Dealer	Customer
Signature:	Signature:
Name:	Name:
Date:	Date:
The operation and function of the switch has been fully explained to the customer.	I agree to the installation of a passenger air bag deactivation (PAD) switch from the above-mentioned date. The operation and function of the switch has been fully explained.

NOTE: TO CUSTOMER: Some insurance companies may require to be notified of any changes affecting the restraints system on your vehicle-please check with your insurance provider.