

2007-2012 CX-7, 2007-2012 CX-9, 2009-2012 MAZDA6 - PASSENGER AIR BAG SAFETY RECALL 1317F

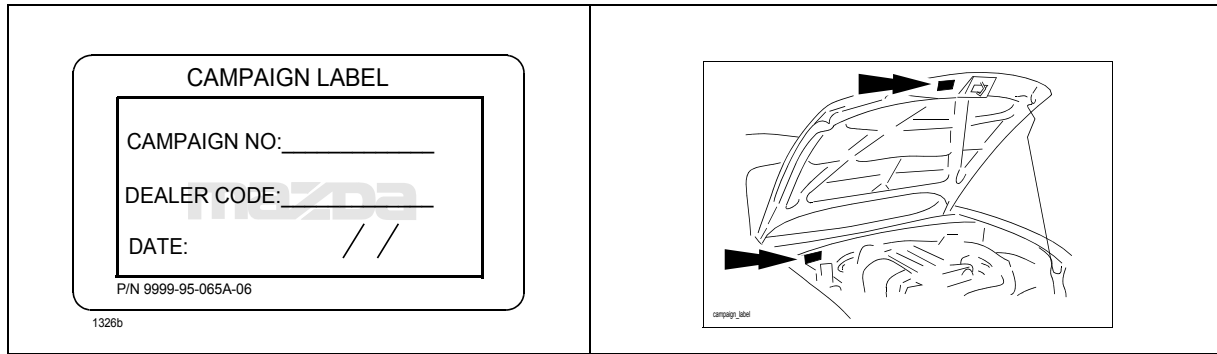
A. VEHICLE INSPECTION PROCEDURE

1. Verify that the vehicle is within the following ranges:

Model
2007-2012 CX-7
2007-2012 CX-9
2009-2012 Mazda6

- If the vehicle is within the above ranges, proceed to Step 2.
 - If the vehicle is not within the above ranges, return vehicle to the customer or inventory.
2. Perform a Warranty Vehicle Inquiry using your eMDCS System and inspect vehicle for Campaign Labels **Recall 1317F** attached to the vehicle’s hood or bulkhead. Refer to eMDCS System - Warranty Vehicle Inquiry Results table below.

NOTE: Be sure to verify Recall number as the vehicle may have multiple Recall labels.



eMDCS System - Warranty Vehicle Inquiry Results:

If eMDCS displays:	Campaign Label is:	Action to perform:
RECALL 1317F OPEN	Present	Contact the Warranty Hotline at (877) 727-6626, option 3, to update vehicle history.
	Not present	Proceed to "B. REPAIR PROCEDURE".
RECALL 1317F CLOSED	Present	Return vehicle to inventory or customer.
	Not present	Proceed to "C. CAMPAIGN LABEL INSTALLATION".
RECALL 1317F is not displayed	Does not apply	Recall does not apply to this vehicle. Return vehicle to inventory or customer.

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RECALL 1317F**

B. REPAIR PROCEDURE

Year / Model	Page No.
CX-7	3
CX-9	9
Mazda6	15

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CX-7:

Passenger-Side Air Bag Inflator Replacement Procedure:



No.	KIT Component	Quantity
1	Inflator (APPS-7) EGZ1-57-K80	1
2	Collar (Black)	1
3	Stopper Plate	1
4	Lock Nut M5	4
5	Wire Harness	1
6	CE Label	1

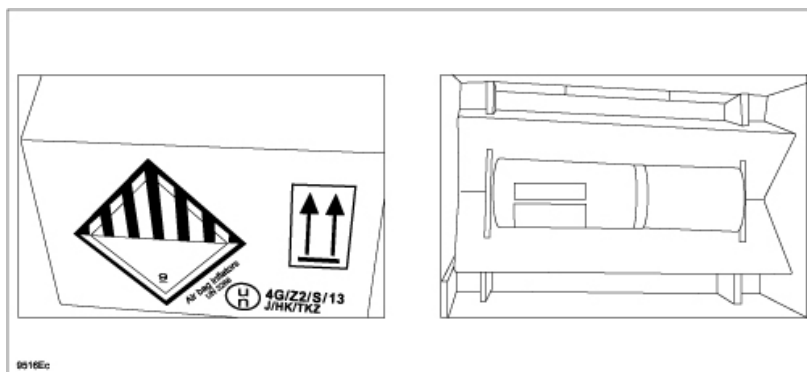
NOTE: The wire harness (5) is not genuine. The coupler clip and harness length will be different.

Pack and return the removed inflator as follows:

IMPORTANT: Be sure to follow the packing and shipping instructions provided in the carton and in the **Air Bag Inflator Return Instructions** available on MGSS.

CAUTION:

- Use the same carton which was used to deliver a new inflator. It is a specialized box that is internationally accepted for shipping an inflator.
- Pack the old inflator in the box exactly in the same manner as the new inflator was packed.



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Air Bag Module Removal:

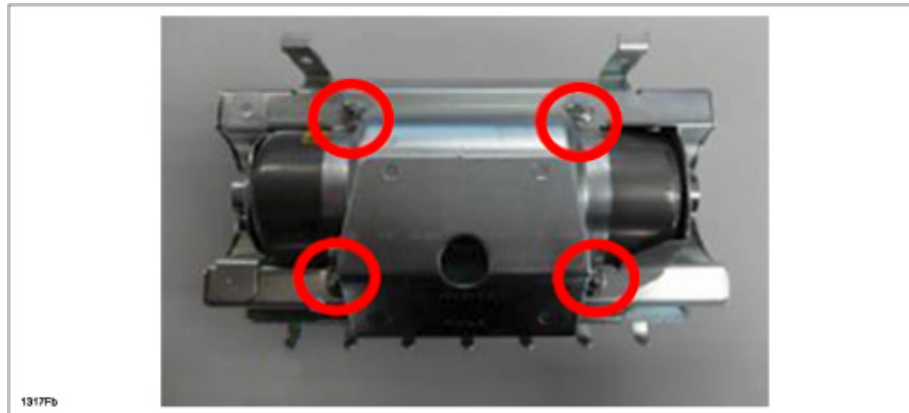
WARNING:

- Perform the replacement in a clean environment. Oil, grease, water, etc. on components may cause the air bag modules to fail to deploy in an accident, which may cause serious injury. Do not allow oil, grease, water, etc., on components.
 - Inserting a screwdriver, etc., into the connector of an air bag module may damage the connector and cause the air bag module to deploy improperly, which may cause serious injury. Do not insert any foreign objects into the connector.
 - Do not disassemble the vehicle, other than instructed here.
 - Do not make an attempt to directly supply electrical power to the module and the inflator.
 - Keep the module facing of the pad surface upwards at all times, except during replacement.
 - Do not use the module and new inflator if they were dropped on the ground.
 - Avoid module and inflator exposure to temperatures of 194 degrees F (90 degrees C) or more.
1. Record the customer's preset radio stations.
 2. Remove the passenger-side air bag module according to the instructions on MGSS. (see CX-7 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)
 3. Lay a protective cloth on the work bench, then place the air bag module on it to avoid any damage or scratches to the surface.

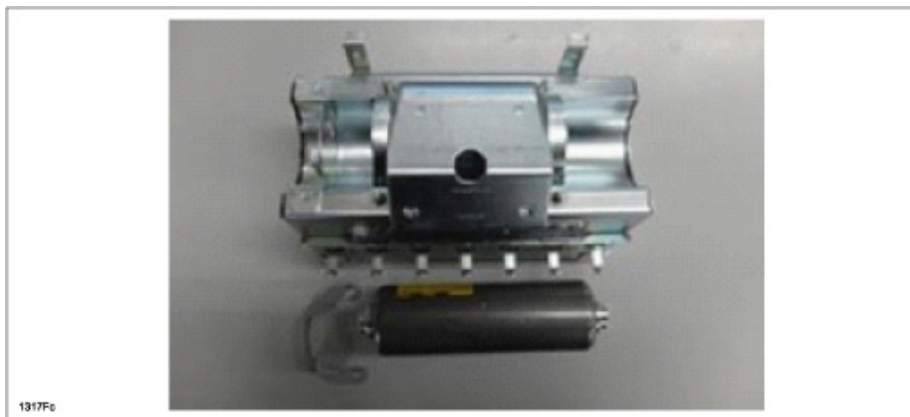
Inflator Replacement:

NOTE: To show the air bag module more clearly, the instrument panel trim was removed.

1. Remove the M5 nuts from 4 locations.



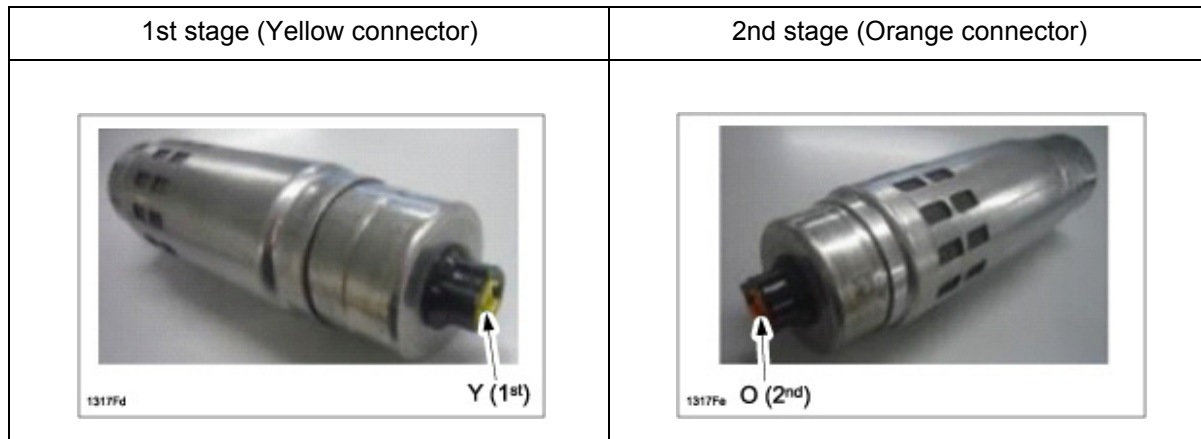
2. Remove the stopper plate and inflator.



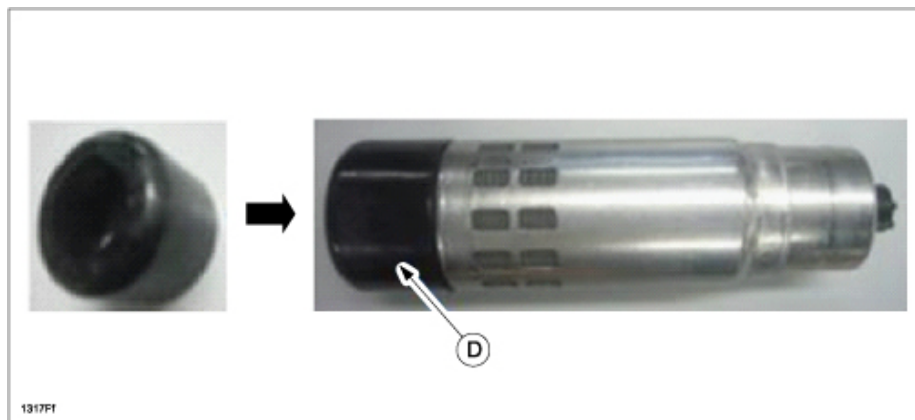
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3. Insert the new inflator into the retainer

NOTE: Make sure to orientate the 1st and 2nd stage direction before inserting the inflator into the retainer.

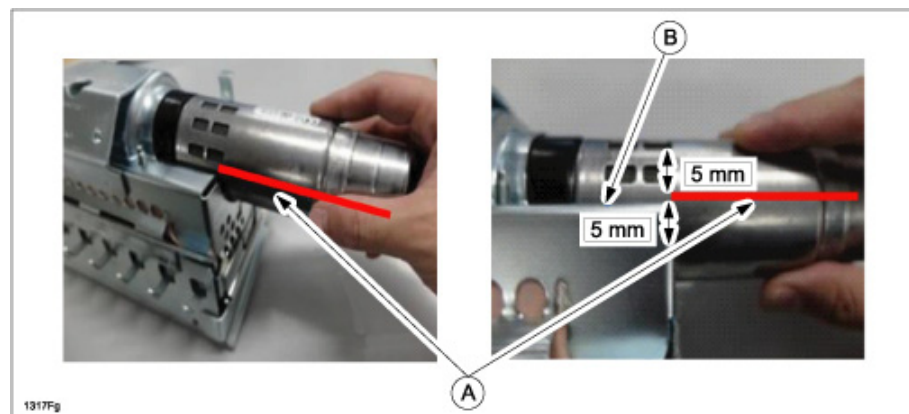


a. Attach the collar D to the 2nd stage side of the new inflator.



b. Insert the new inflator and align the side of the retainer and guide line of the inflator (A).

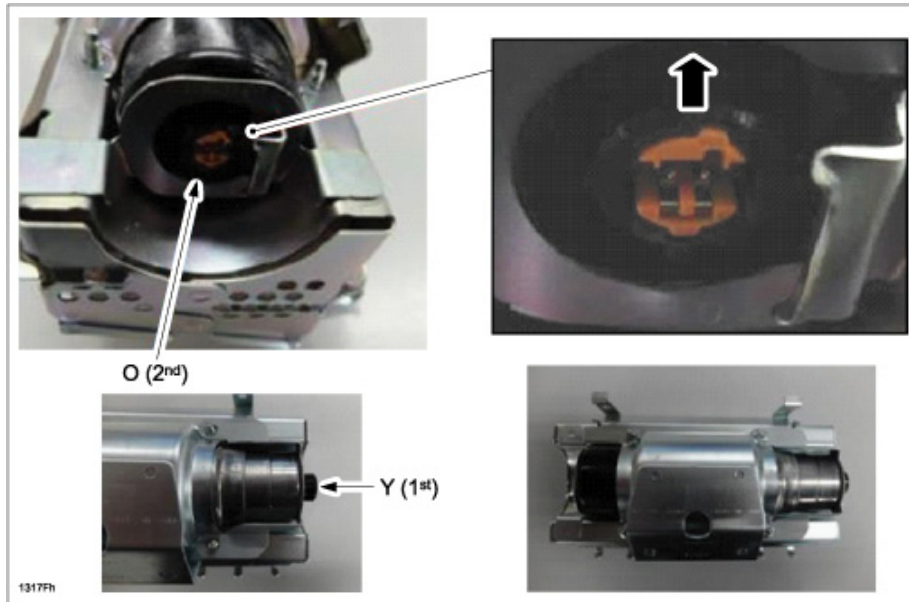
NOTE: Align the guide line (red line) within 5 mm from the retainer edge (B).



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4. Confirm that the inflator is assembled correctly.

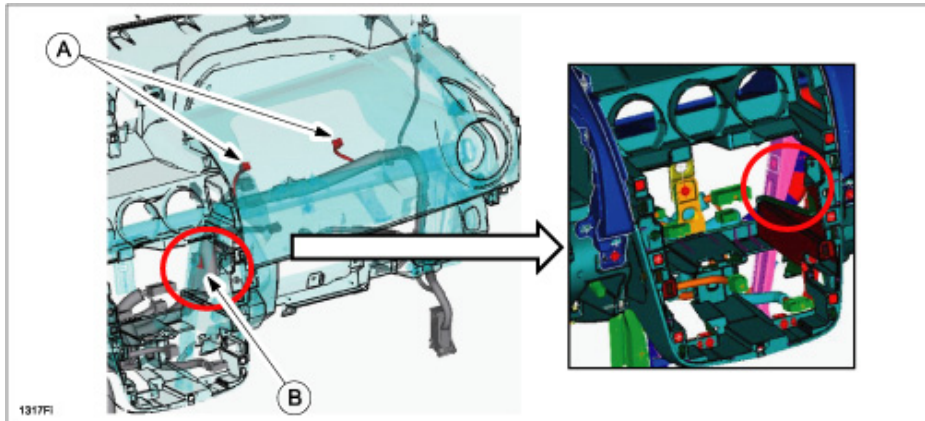
NOTE: Pay attention to the direction of the connector. The connector direction is perpendicular to the bottom of the retainer.



5. Install the new stopper to the retainer.
6. Install the new M5 nuts in 4 locations.
Tightening torque: 34.5 ± 2.6 in-lb (3.9 ± 0.4 Nm)

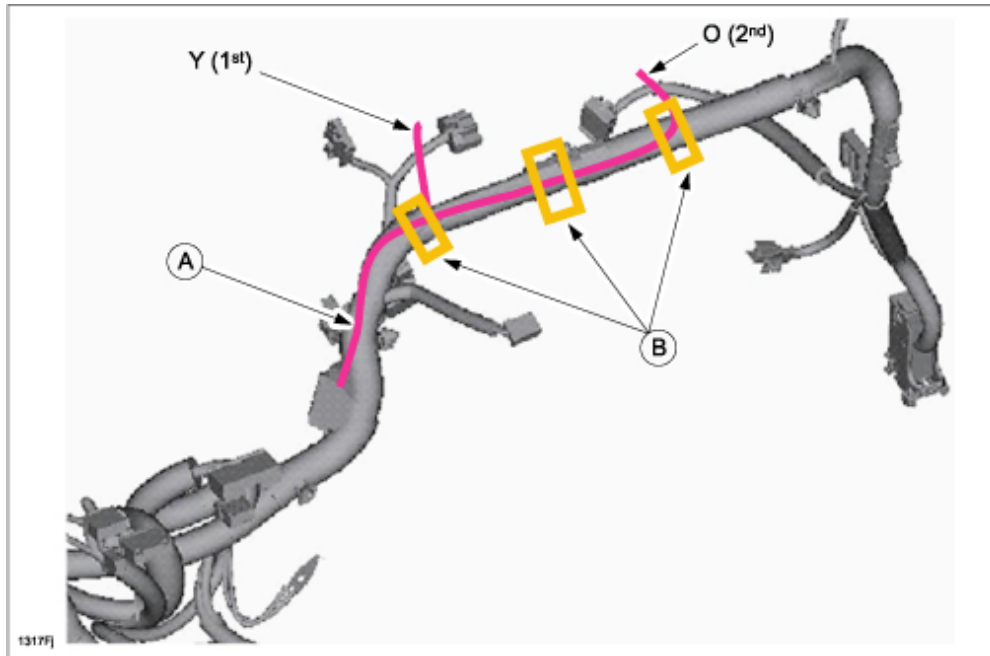
Short-cord Replacement:

1. Remove the SHORT-CORD-A/B as shown.

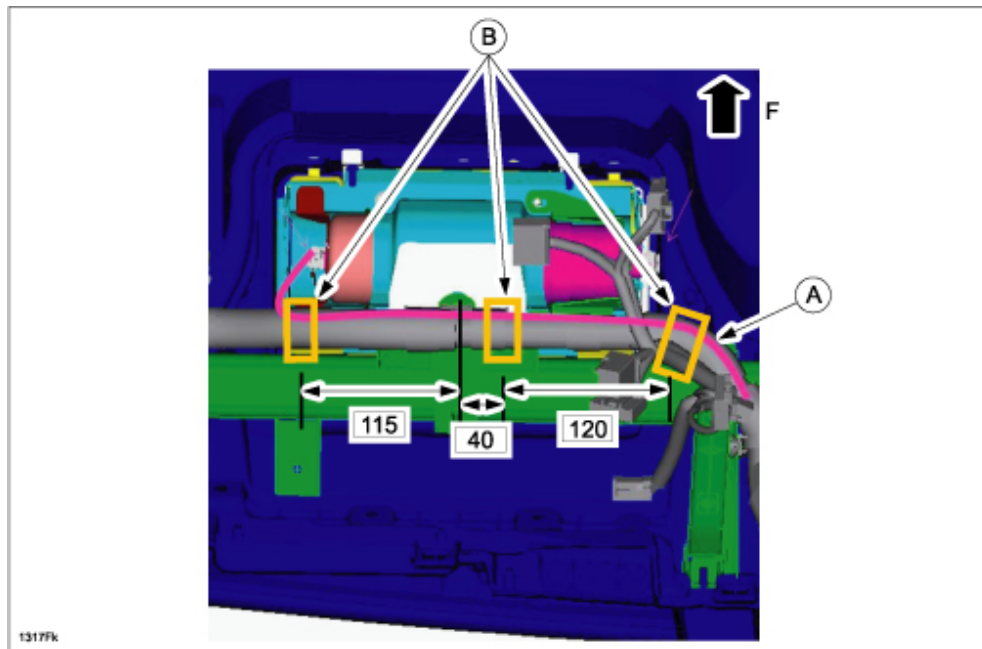


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2. Install the new wire harness contained in the KIT (A) and fix the wire harness with a tie wraps (shop supply) at each point shown (B).



View from the underside.



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Air Bag Module Reinstallation:

1. Install the passenger-side air bag module according to the instructions on MGSS.
(see CX-7 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)
2. Reconnect the negative battery cable.
3. Turn the ignition switch to the ON position.
4. Verify that the air bag system warning light illuminates for approx. 6 sec., then goes out.

NOTE: If the air bag system warning light does not operate in the manner described above, there is a malfunction in the system. Inspect the system following the on-board diagnostic system procedure on MGSS (Restraints section).

5. Re-enter the customer's preset radio stations.
6. Proceed to "C. CAMPAIGN LABEL INSTALLATION".

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CX-9:

Passenger-Side Air Bag Inflator Replacement Procedure:



No.	KIT Component	Quantity
1	Inflator (APPS-7) TDY1-57-K80	1
2	Collar (Black)	1
3	Stopper Plate	1
4	Lock Nut M5	4
5	Wire Harness	1
6	CE Label	1

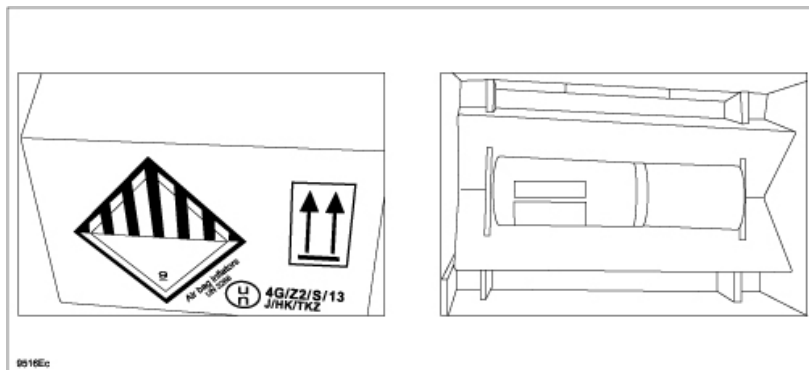
NOTE: The wire harness (5) is not genuine. The coupler clip and harness length will be different.

Pack and return the removed inflator as follows:

IMPORTANT: Be sure to follow the packing and shipping instructions provided in the carton and in the **Air Bag Inflator Return Instructions** available on MGSS.

CAUTION:

- Use the same carton which was used to deliver a new inflator. It is a specialized box that is internationally accepted for shipping an inflator.
- Pack the old inflator in the box exactly in the same manner as the new inflator was packed.



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Air Bag Module Removal:

WARNING:

- Perform the replacement in a clean environment. Oil, grease, water, etc. on components may cause the air bag modules to fail to deploy in an accident, which may cause serious injury. Do not allow oil, grease, water, etc., on components.
- Inserting a screwdriver, etc., into the connector of an air bag module may damage the connector and cause the air bag module to deploy improperly, which may cause serious injury. Do not insert any foreign objects into the connector.
- Do not disassemble the vehicle, other than instructed here.
- Do not make an attempt to directly supply electrical power to the module and the inflator.
- Keep the module facing of the pad surface upwards at all times, except during replacement.
- Do not use the module and new inflator if they were dropped on the ground.
- Avoid module and inflator exposure to temperatures of 194 degrees F (90 degrees C) or more.

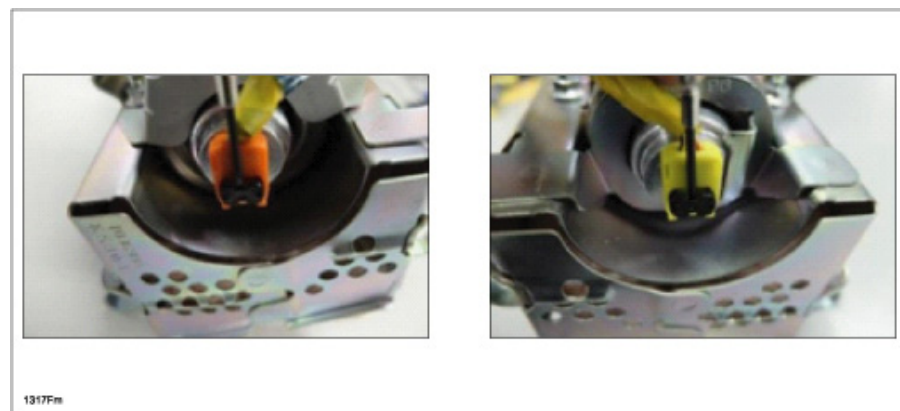
1. Record the customer's preset radio stations.
2. Remove the passenger-side air bag module according to the instructions on MGSS. (see CX-9 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)
3. Lay a protective cloth on the work bench, then place the air bag module on it to avoid any damage or scratches to the surface.

Inflator Replacement:

NOTE: To show the air bag module more clearly, the instrument panel trim was removed.

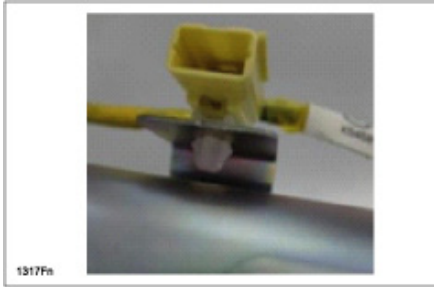


1. Remove the connector of the harness assembly.
 - a. Pull the locking pin up using a thin tool at the tip.

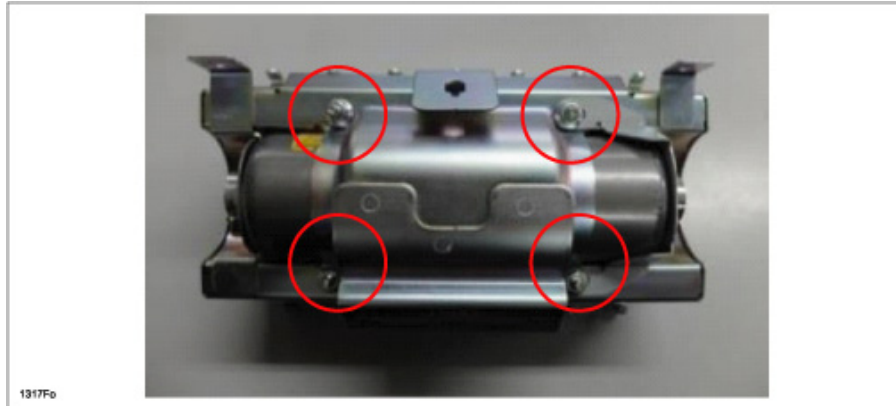


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- b. Remove the clip from the coupler.



- 2. Remove the M5 nuts from 4 locations.



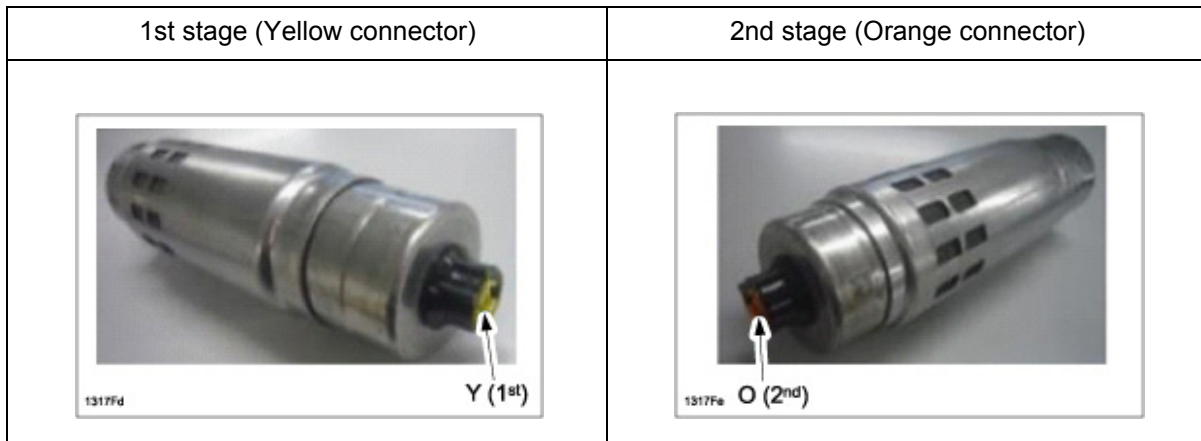
- 3. Remove the stopper plate and inflator.



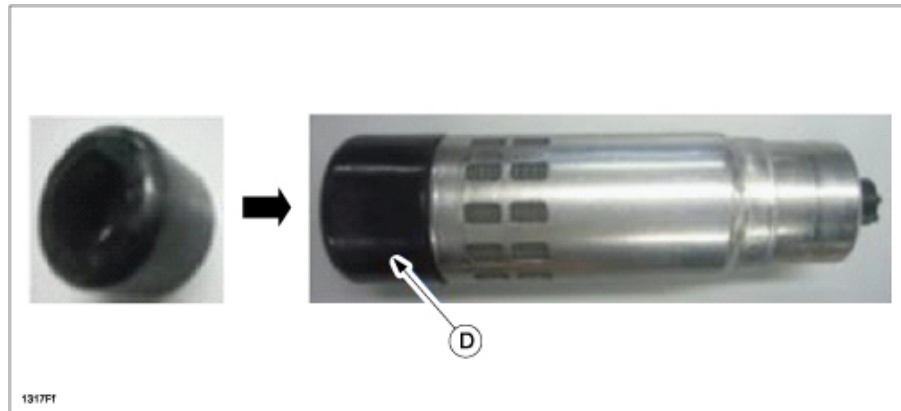
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4. Insert the new inflator into the retainer

NOTE: Make sure to orientate the 1st and 2nd stage direction before inserting it into the retainer.

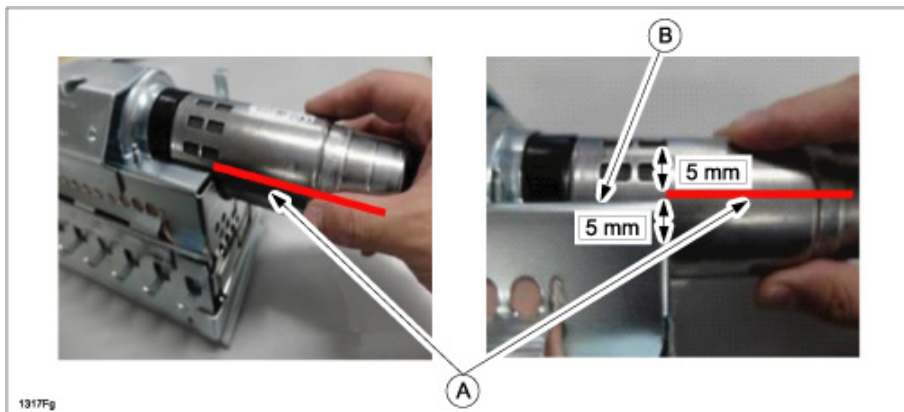


a. Attach the collar D to the 2nd stage side of the new inflator.



b. Insert the new inflator and align the side of the retainer and guide line of the inflator (A).

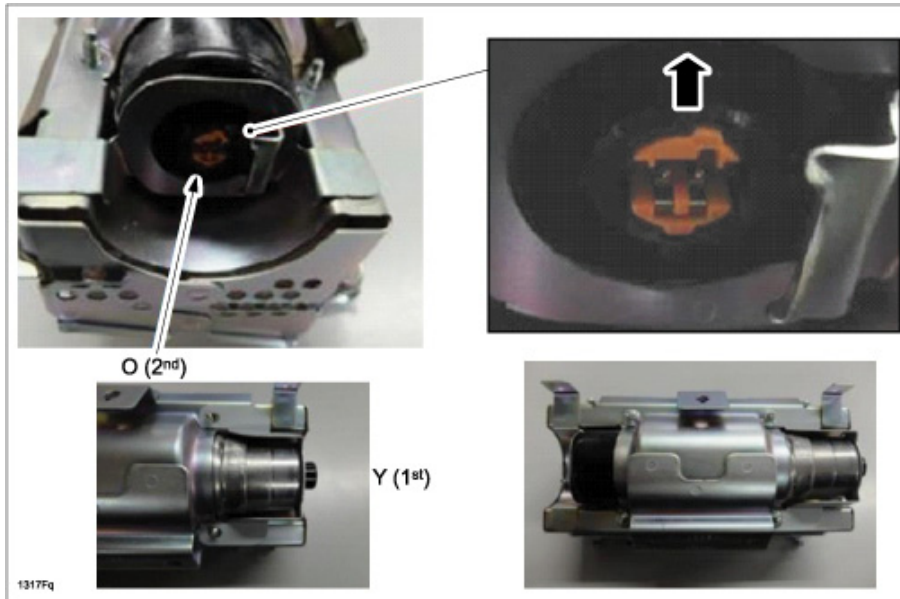
NOTE: Align the guide line (red line) within 5mm from the retainer edge (B).



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5. Confirm that the inflator is assembled correctly.

NOTE: Pay attention to the direction of the connector. The connector direction is perpendicular to the bottom of the retainer.



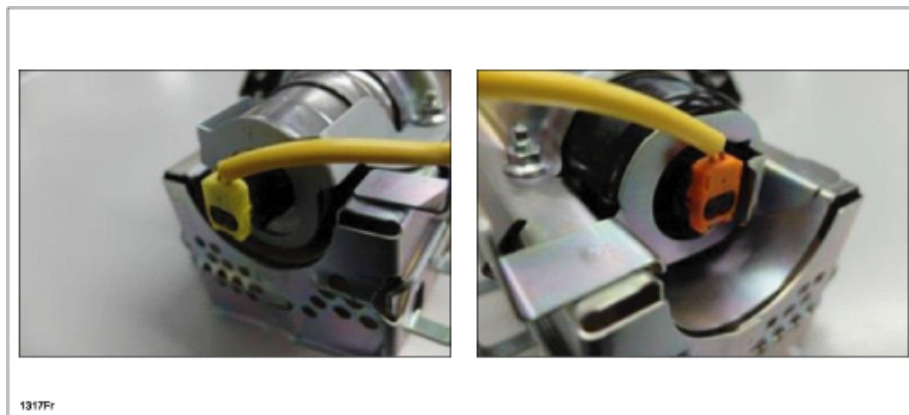
6. Install the new stopper to the retainer.

7. Install the new M5 nuts in 4 locations.

Tightening torque: 34.5 ± 2.6 in-lb (3.9 ± 0.4 Nm)

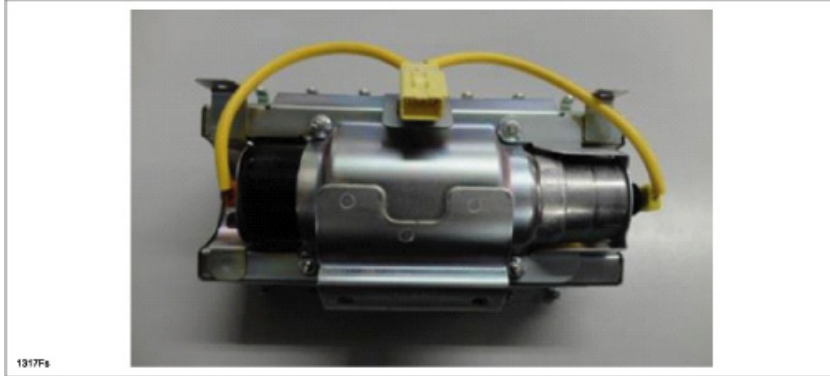
8. Connect the replacement wire harness at 2 locations.

a. Make sure the connectors are fitted properly.



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- b. The connectors direction is perpendicular to the bottom of the retainer.



Air Bag Module Reinstallation:

1. Install the passenger-side air bag module according to the instructions on MGSS. (see CX-9 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)
2. Reconnect the negative battery cable.
3. Turn the ignition switch to the ON position.
4. Verify that the air bag system warning light illuminates for approx. 6 sec., then goes out.

NOTE: If the air bag system warning light does not operate in the manner described above, there is a malfunction in the system. Inspect the system following the on-board diagnostic system procedure on MGSS (Restraints section).

5. Re-enter the customer's preset radio stations.
6. Proceed to "C. CAMPAIGN LABEL INSTALLATION".

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Mazda6:

Passenger-Side Air Bag Inflator Replacement Procedure:



No.	KIT Component	Quantity
1	Inflator (APPS-7) GSYL-57-K80	1
2	Collar (Black)	1
3	Stopper Plate	1
4	Lock Nut M5	4
5	Wire Harness	1
6	CE Label	1

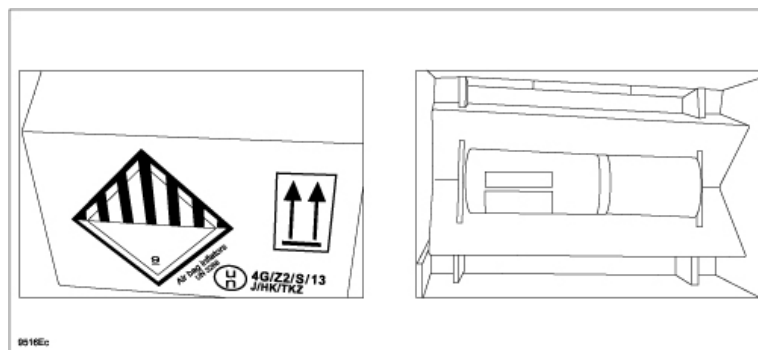
NOTE: The wire harness (5) is not genuine. The coupler clip and harness length will be different.

Pack and return the removed inflator as follows:

IMPORTANT: Be sure to follow the packing and shipping instructions provided in the carton and in the Air Bag Inflator Return Instructions available on MGSS.

CAUTION:

- Use the same carton which was used to deliver a new inflator. It is a specialized box that is internationally accepted for shipping an inflator.
- Pack the old inflator in the box exactly in the same manner as the new inflator was packed.



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Air Bag Module Removal:

WARNING:

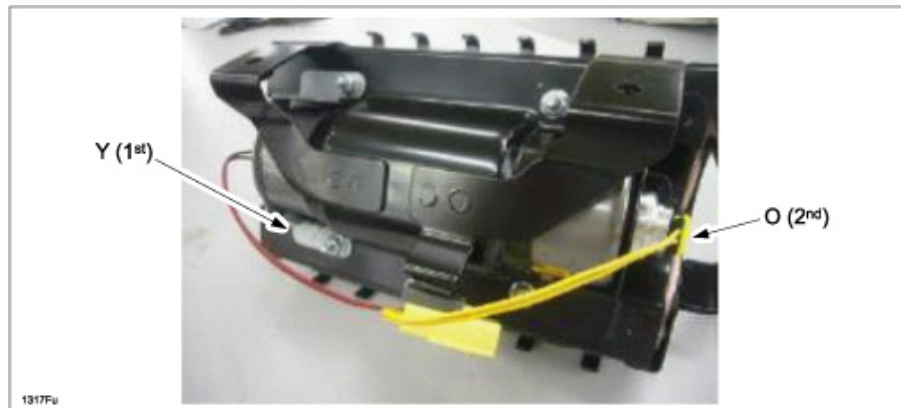
- Perform the replacement in a clean environment. Oil, grease, water, etc. on components may cause the air bag modules to fail to deploy in an accident, which may cause serious injury. Do not allow oil, grease, water, etc., on components.
 - Inserting a screwdriver, etc., into the connector of an air bag module may damage the connector and cause the air bag module to deploy improperly, which may cause serious injury. Do not insert any foreign objects into the connector.
 - Do not disassemble the vehicle, other than instructed here.
 - Do not make an attempt to directly supply electrical power to the module and the inflator.
 - Keep the module facing of the pad surface upwards at all times, except during replacement.
 - Do not use the module and new inflator if they were dropped on the ground.
 - Avoid module and inflator exposure to temperatures of 194 degrees F (90 degrees C) or more.
1. Record the customer's preset radio stations.
 2. Remove the passenger-side air bag module according to the instructions on MGSS. (see Mazda6 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)

Inflator Replacement:

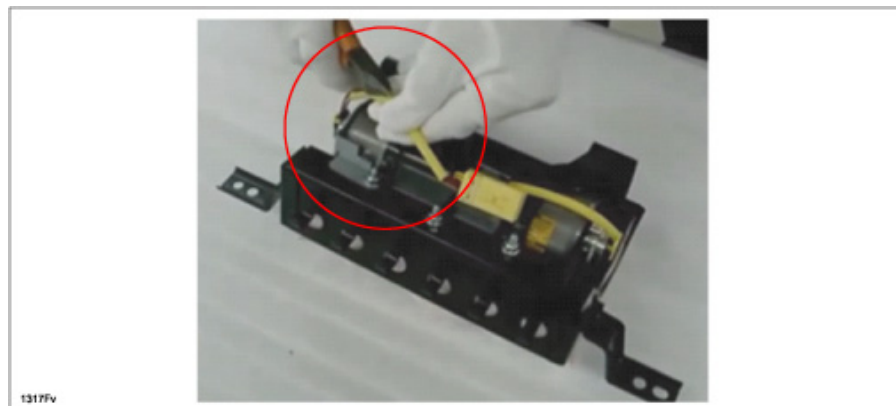
NOTE: To show the air bag module more clearly, the instrument panel trim was removed.

1. **To prevent the inflator from exploding by mistake during its removal, short-circuit the harnesses.**

NOTE: The harness will not be reused after shorting it.

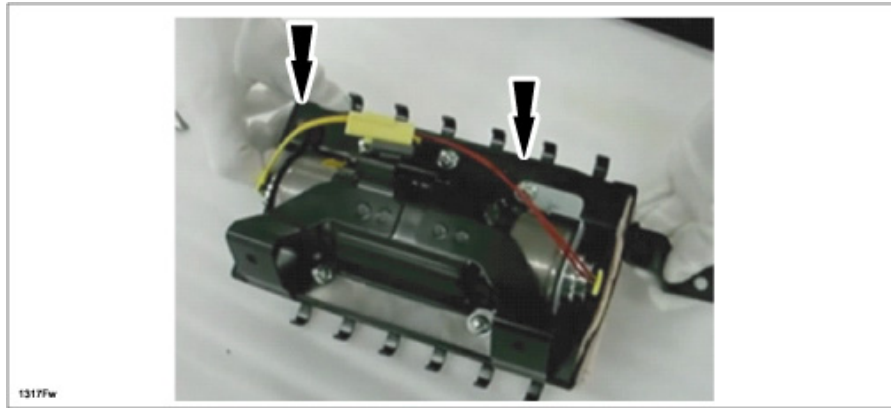


- a. Cut off the PVC tube to expose the wires.

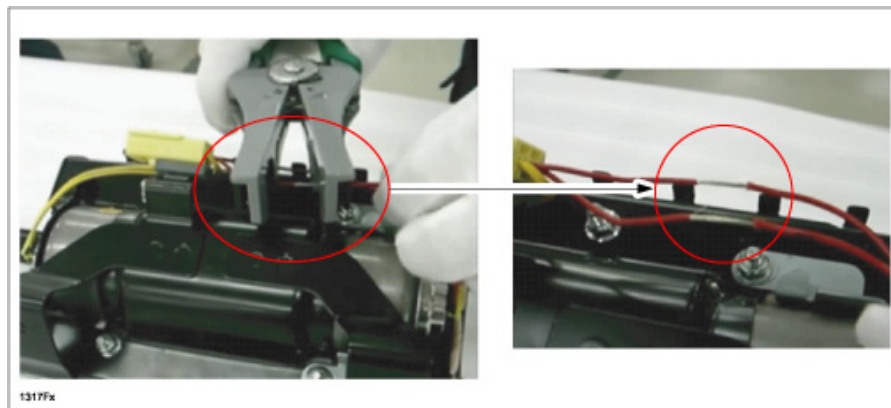


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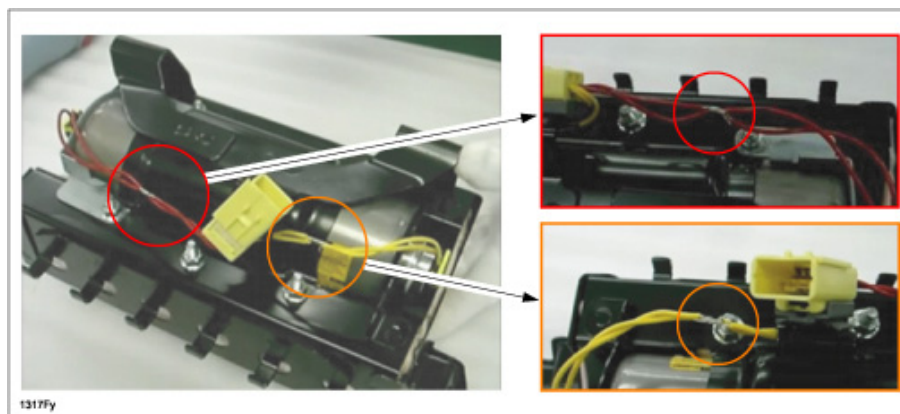
NOTE: Cut off the corrugated tubing for the two wire harnesses indicated by the arrows.



b. Strip the insulation from the two wires as shown.



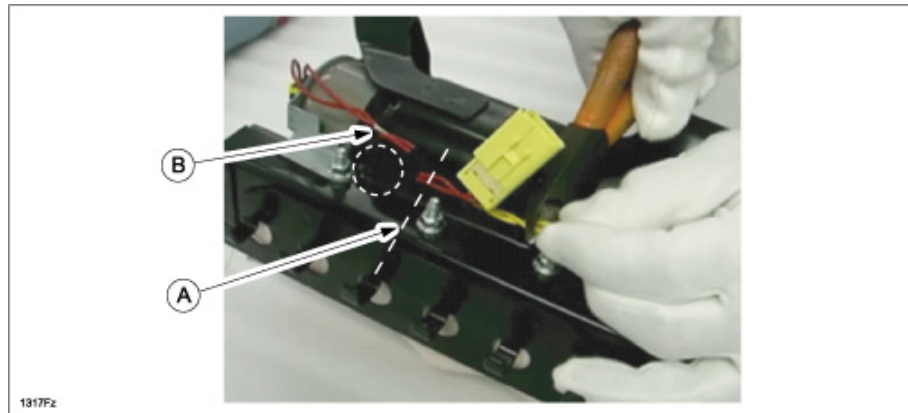
c. Connect the two wires by twisting them together (for both wire harnesses).



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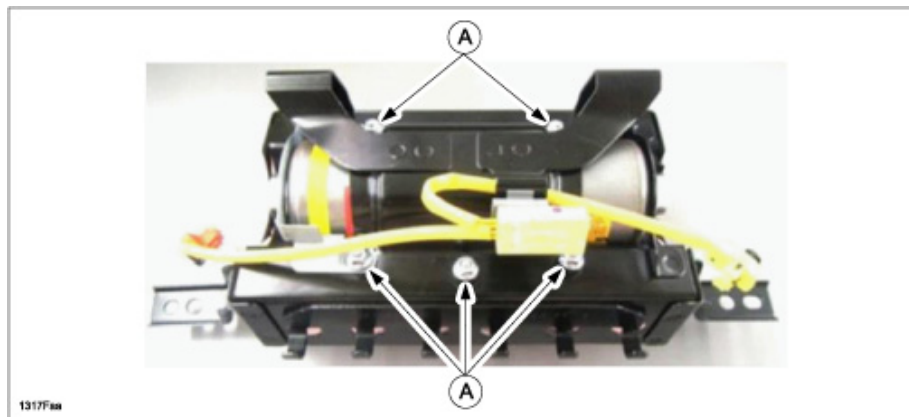
- d. Cut the two wires midway (A) between the connector and the splice (B) as shown.

CAUTION: Make sure to cut the wires on either side of the connector between the connector and the splice.



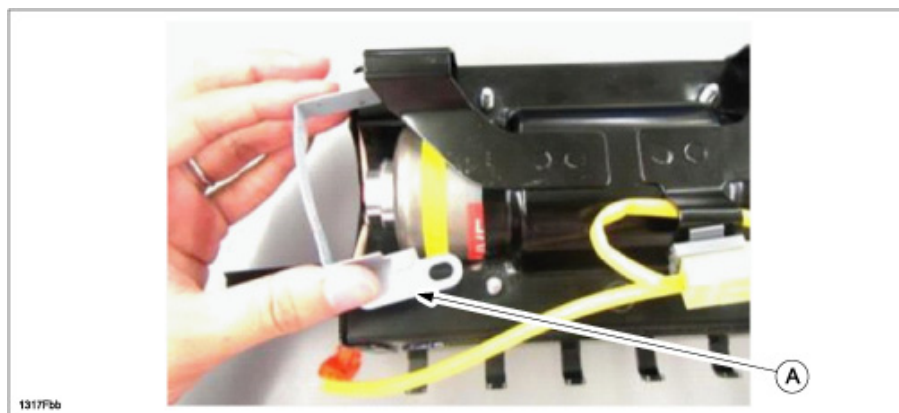
2. Remove the five (5) nuts (A).

NOTE: DO NOT excessively depress as the module body may detach from the air bag module.



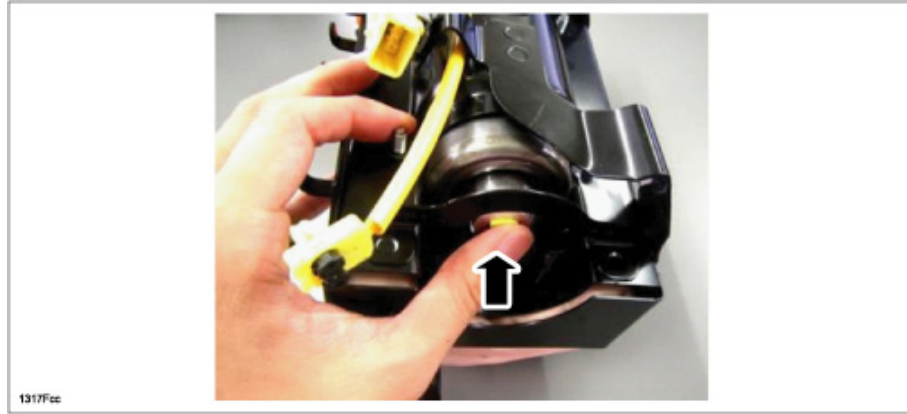
3. Remove the stopper plate (A).

NOTE: Discard four (4) of the nuts and the stopper plate. Keep one of the nuts.



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4. Push the inflator end with fingers, then remove it by sliding it in the direction shown.

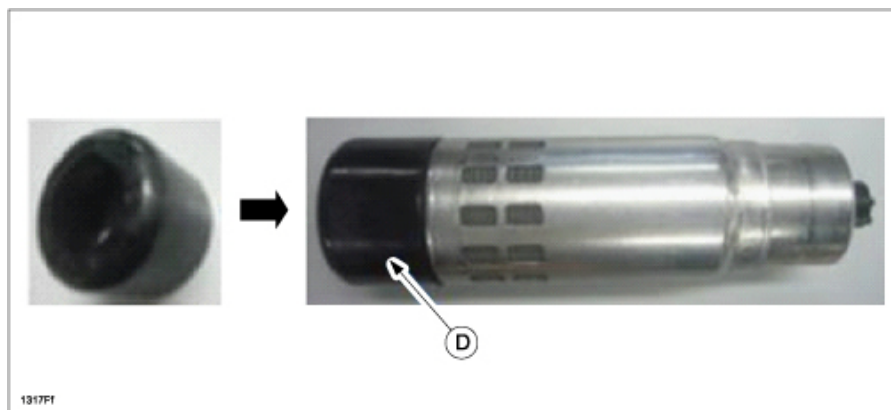


5. Insert the new inflator into the retainer

NOTE: Make sure to orientate the 1st and 2nd stage direction before inserting it into the retainer.

1st stage (Yellow connector)	2nd stage (Orange connector)
<p>1317Fd Y (1st)</p>	<p>1317Fe O (2nd)</p>

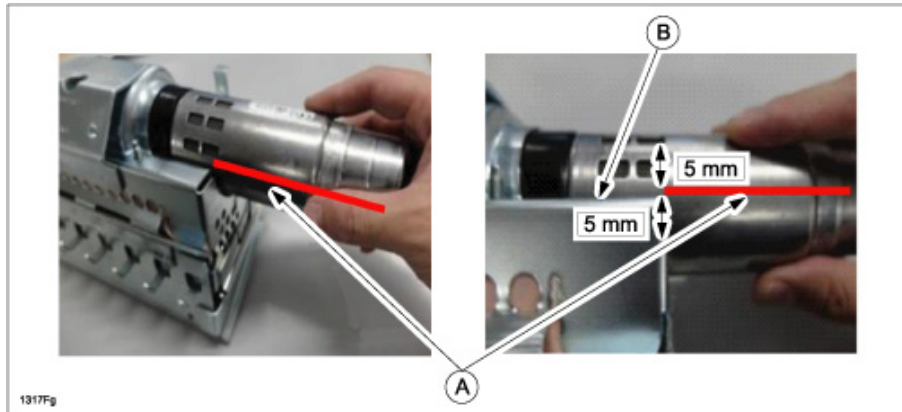
a. Attach the collar D to the 2nd stage side of the new inflator.



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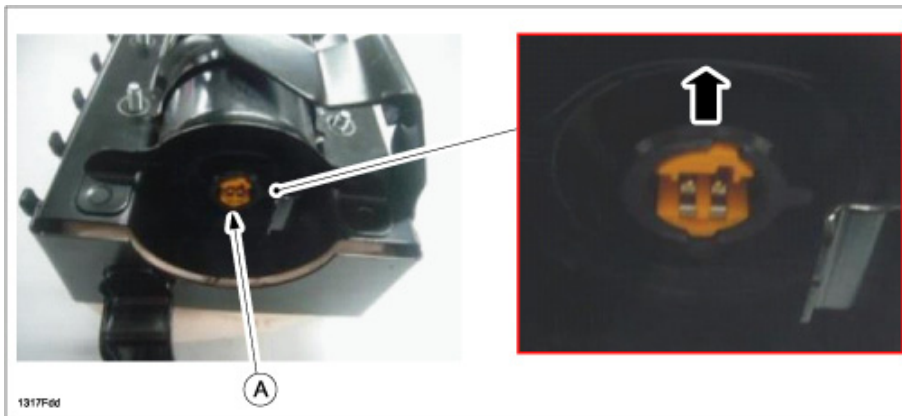
- b. Insert the new inflator and align the side of the retainer and guide line of the inflator (A).

NOTE: Align the guide line (red line) within 5mm from the retainer edge (B).

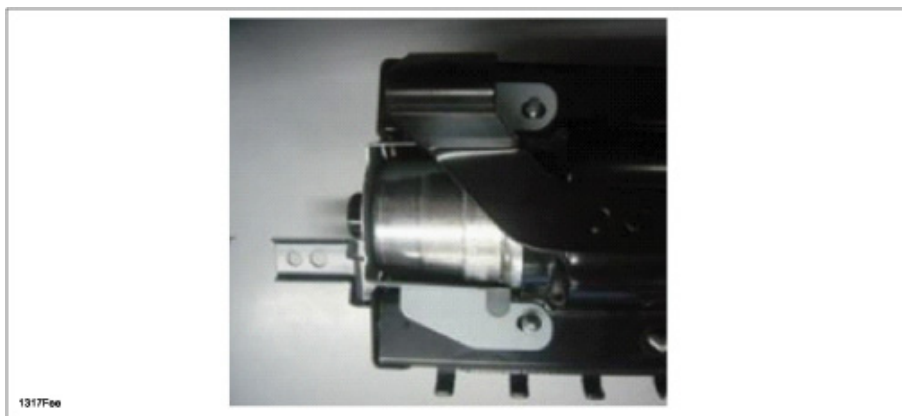


- 6. Confirm that the inflator is assembled correctly.

NOTE: Pay attention to the direction of the connector. The connector direction is perpendicular to the bottom of the retainer.



- 7. Install the new stopper to the retainer.

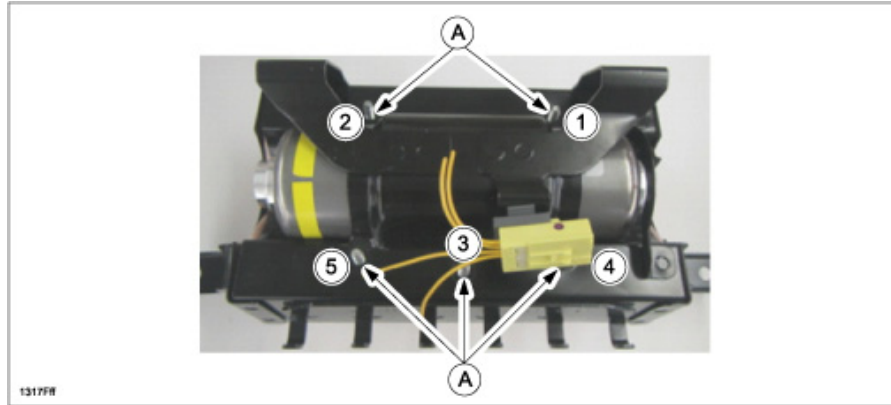


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8. Install the new M5 nuts and one used nut (in position 3) as shown, then tighten the 5 nuts to the specified torque in the order shown.

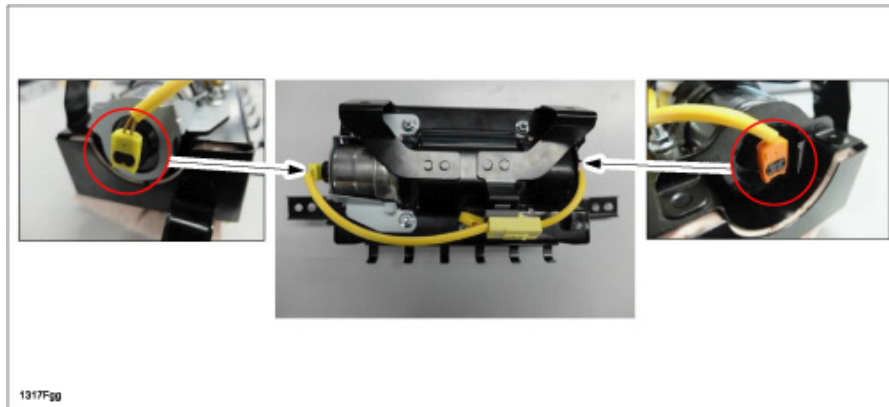
Tightening torque: 34.5 ± 2.6 in-lb (3.9 ± 0.4 Nm)

CAUTION: DO NOT over tighten the nuts or the stud bolts could be removed from their press-fit points.



9. Connect the replacement wire harness at 2 locations.

NOTE: Make sure the connectors are fitted properly.



Air Bag Module Reinstallation:

1. Install the passenger-side air bag module according to the instructions on MGSS. (see Mazda6 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)
2. Reconnect the negative battery cable.
3. Turn the ignition switch to the ON position.
4. Verify that the air bag system warning light illuminates for approx. 6 sec., then goes out.

NOTE: If the air bag system warning light does not operate in the manner described above, there is a malfunction in the system. Inspect the system following the on-board diagnostic system procedure on MGSS (Restraints section).

5. Re-enter the customer's preset radio stations.
6. Proceed to "C. CAMPAIGN LABEL INSTALLATION".

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C. CAMPAIGN LABEL INSTALLATION

1. Fill out a blue "Campaign Label" (9999-95-065A-06) with Campaign No: "1317F", your dealer code, today's date.

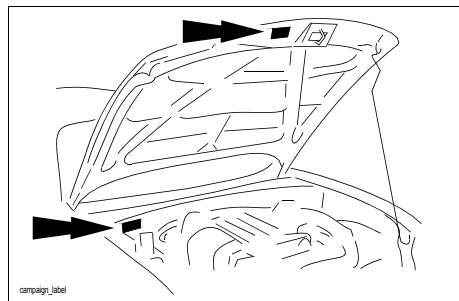
CAMPAIGN LABEL

CAMPAIGN NO: _____
DEALER CODE: _____
DATE: // //

P/N 9999-95-065A-06

1326b

2. Affix it to the hood or bulkhead as shown:



3. Return the vehicle to customer.