

July 31, 2019

Version 2

Safety Recall: Front Passenger's Airbag Inflator Can Be Over-Pressurized (Phase 5)

Supersedes 19-040, dated June 28, 2019, to revise the information highlighted in **yellow**.

Following NHTSA direction, there are five phases based on three different zones. This is the final phase and includes all three zones.

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2003-06	MDX	ALL	Check the iN VIN status for eligibility.
2005-12	RL	ALL	Check the iN VIN status for eligibility.

REVISION SUMMARY

Inflator part numbers that are no longer available to order, but may be in dealer inventory, were added to the applicable sections of this bulletin.

BACKGROUND

NHTSA and its independent expert reviewed the findings of three independent investigations into the Takata airbag inflator ruptures. According to NHTSA, the combination of time, high temperature fluctuations, and humidity contribute to the degradation of the propellant in the inflators. NHTSA has concluded that this degradation can cause the propellant to burn too quickly, creating more pressure than the inflator can withstand, and, in extreme cases, causing the inflator to rupture and send shrapnel through the air bag toward vehicle occupants. NHTSA is prioritizing the recall of air bag inflators based on the risk of injury or death to vehicle occupants.

This is the final phase to this campaign and involves vehicles that previously had the passenger's airbag non-desiccated inflator replaced with a similar non-desiccated inflator (like for like), or airbag module replaced with one that contained a non-desiccated inflator. This replacement may have been done as part of a recall or other repair. Always do an iN VIN status inquiry to see if a vehicle is affected.

For more information about these inflator recalls, go to www.safercar.gov and use keyword **TAKATA**.

There are several bulletins with similar years and models. Make sure to do an iN VIN status inquiry and follow the indicated service bulletin.

CLIENT INFORMATION: The information in this bulletin is intended for use only by skilled technicians who have the proper tools, equipment, and training to correctly and safely maintain your vehicle. These procedures should not be attempted by "do-it-yourselfers," and you should not assume this bulletin applies to your vehicle, or that your vehicle has the condition described. To determine whether this information applies, contact an authorized Acura automobile dealer.

Do an iN VIN status inquiry and, if indicated, repair the vehicle even though the vehicle may have been repaired under a previous campaign.

NOTE

If the VIN status inquiry indicates that the vehicle is subject to any open safety recalls, including the driver's airbag inflator, make sure to also complete those recall repairs before returning the vehicle to the client. If you are unable to complete any open recall, advise the client of the recall status and when the recall could be completed.

You may receive a different part number than ordered, and the inflator may appear different. As a result, there may be different installation instructions. Make sure you review this service bulletin for installation instructions and details about model applicability.

CLIENT NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an iN VIN status inquiry to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your used vehicle inventory.

Failure to repair a vehicle subject to a recall or campaign may subject your dealership to claims or lawsuits from the client or anyone else harmed as a result of such failure. To see if a vehicle in inventory is affected by this safety recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Replace the front passenger's airbag inflator, then return the original, undeployed inflator as directed.

PARTS INFORMATION

Part Name	Order Part Number	You may receive any of the following	Quantity
2003-06 MDX Front Passenger's Airbag Inflator Kit	04790-S3V-315	04790-S3V-A00 04790-S3V-315 04790-S3V-305 (This inflator is no longer produced, but if you have one in stock, it may be installed in a vehicle)	1
2005-12 RL Front Passenger's Airbag Inflator Kit	04790-SJA-315	04790-SJA-A00 04790-SJA-315 04790-SJA-305 (This inflator is no longer produced, but if you have one in stock, it may be installed in a vehicle)	1

NOTES

- Replacement inflators with part numbers that end with 305 come with shipping insulation wrapped around them. Follow the removal instructions listed in INSULATION REMOVAL. The insulation is not toxic but some people may be sensitive to it.
- Replacement part numbers ending in 315 and A00 have square or rectangular openings in one of the plastic collars. Replacement part numbers ending in 305 do not.
- The inflator kit box must be used to return the recalled inflator to its supplier. Be careful not to damage the inflator kit box.
- If the recalled, undeployed inflator is not returned, the warranty claim for that vehicle will be charged back to your dealership.
- To return the undeployed inflators, follow the shipping instructions outlined in PIB B15-0006, *Inflator Kit Return Process*.
- Parts staff can scan the part number and serial number from the outside of the box into the warranty claim by using the Controlled Part Serial No. screen and scanning the applicable information. Refer to the job aid *Ordering and Managing Replacement Inflators* for more information.

WARRANTY CLAIM INFORMATION

NOTES

- Process claims as quickly as possible so that resources can be properly allocated.
- Enter the part number of the inflator that you received into the warranty claim, **not the part number that you ordered**. For more information, refer to step 6 of REPAIR PROCEDURE.
- To avoid non-payment of warranty claims, the serial number on the box of the new airbag inflator must be entered in the warranty claim. For more information, refer to step 6 of REPAIR PROCEDURE.
- To avoid a warranty claim being charged back to your dealership, you must return the recalled, undeployed inflator to its supplier. Follow the shipping instructions outlined in PIB B15-0006, *Inflator Kit Return Process*.

- The serial number is encoded into the bar code printed on the label inside of the box and on a label attached to the outside of the box. If your dealership uses a scanner, you can scan the serial number from either place into the claim.
- The part number is encoded into a barcode attached to the outside of the box. If your dealership uses a scanner, you can scan the part number into the claim.
- **If you confuse the serial number and part number when entering the claim information**, your claim will automatically be rejected.
- For more information about scanning and filing airbag inflator recall claims, refer to **Ordering and Managing Replacement Airbag Inflators**. From the iN, select **Service, Warranty, Warranty Claim**, then **Reference Guide**. Under **HOT TIPS/TOPICS**, select **Inflator Claims at a Glance**.
- Each VIN is assigned to a specific campaign. Make sure you file a claim using the correct warranty claim information to avoid your claim being rejected.

Year/Model	Operation Number	Replacement Part Number	Flat Rate Time	Defect Code	Symptom Code	Template ID	Failed Part Number
2003-06 MDX	7541G3	04790-S3V-315	0.7 hr	6DE00	E5D00	B19040A	06780-S3V-A10ZA
	7541G3	04790-S3V-A00	0.7 hr	6DE00	E5D00	B19040B	06780-S3V-A10ZA
	7541G3	04790-S3V-305	0.7 hr	6DE00	E5D00	B19040E	06780-S3V-A10ZA
2005-12 RL	7541G3	04790-SJA-315	0.8 hr	6DE00	E5D00	B19040C	06780-SJA-A80
	7541G3	04790-SJA-A00	0.8 hr	6DE00	E5D00	B19040D	06780-SJA-A80
	7541G3	04790-SJA-305	0.8 hr	6DE00	E5D00	B19040F	06780-SJA-A80

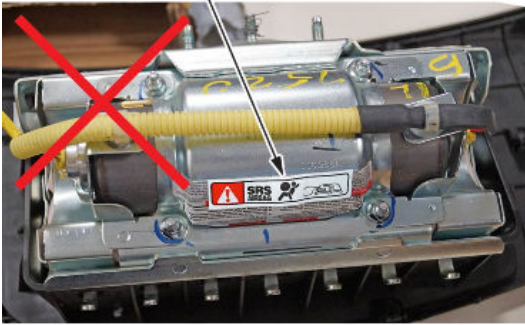
Skill Level: Repair Technician

IDENTIFYING COUNTERFEIT AIRBAGS

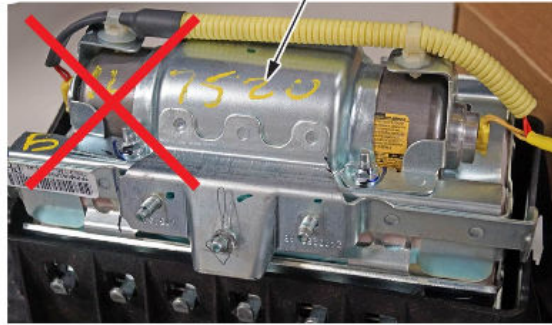
This section goes over the steps to identify counterfeit airbags and applies to all vehicles in this service bulletin. It is referred to in each vehicle's repair procedure. Click [HERE](#) to watch a video to help identify counterfeit airbags.

- If there is nothing unusual about the airbag or the inflator, continue with the inflator replacement procedure.
- If there are any unusual markings, like an incorrect label or a model year written in marker, the airbag and inflator may not be the correct airbag and/or inflator for the vehicle or it may be a counterfeit part. For more information about counterfeit airbags, you can refer to safercar.gov, enter keywords **MANAGING COUNTERFEIT**, and select **Recommended Dealer Guidance for Managing Counterfeit Air Bags** from the list. **If you suspect that the airbag or inflator is counterfeit, do not continue this procedure.** Contact your DPSM for assistance.

NON-STANDARD SAFETY LABEL



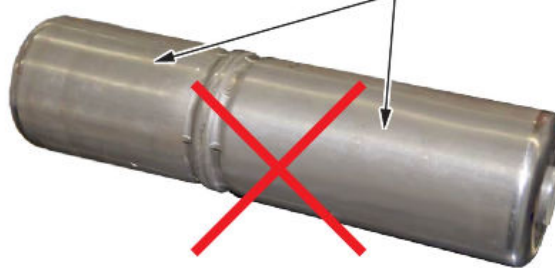
GREASE PENCIL OR PAINT MARKINGS



HAND ENGRAVING



NO LABELS ON INFLATOR



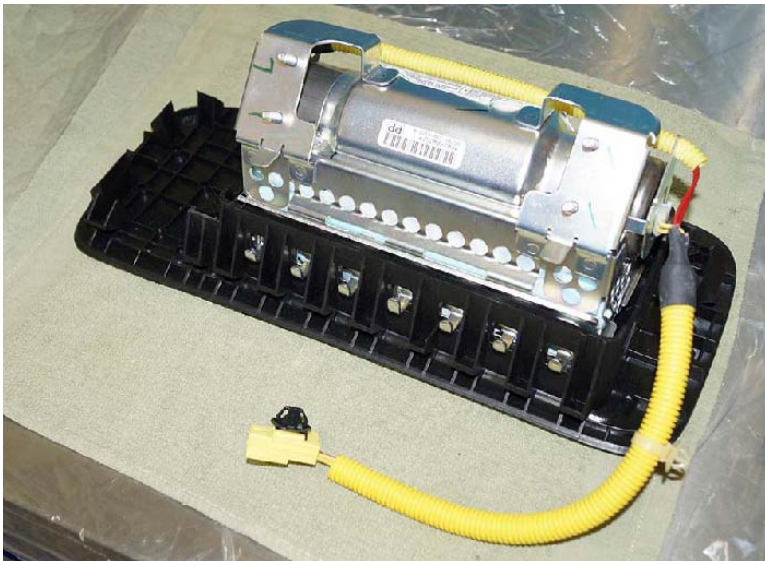
REPAIR PROCEDURE - MDX

NOTES

- If the VIN status inquiry indicates that the vehicle is subject to any open safety recalls, including the driver's airbag inflator, make sure to also complete those recall repairs before returning the vehicle to the client. If you are unable to complete any open recall, advise the client of the recall status and when the recall could be completed.
 - Make sure you have the anti-theft code for the audio and navigation system (if applicable), then write down the frequencies for the audio unit presets.
 - Be careful not to damage any parts when replacing the inflator, and **follow the procedure exactly**.
 - If, before removing the airbag, you suspect that it may be the incorrect airbag for the vehicle or a counterfeit, **do not remove the airbag**. Contact your DPSM for assistance.
 - Make sure you have reviewed the SRS Precautions and Procedures in the service information before doing the REPAIR PROCEDURE.
1. Turn the ignition to ON, and check if the SRS indicator comes on for about 6 seconds, then turns off.
 - If the indicator comes on, then turns off after about 6 seconds, turn the ignition OFF, then go to step 2.
 - If the indicator does not come on, or if it stays on, contact your DPSM for assistance.
 2. Disconnect the battery negative cable and wait at least 3 minutes before continuing.
 3. Remove the front passenger's airbag. Refer to the applicable vehicle's service information.
 4. Place the airbag, face-down, on a clean shop towel.

NOTES

- The orientation of the airbag is critical because if the inflator is installed incorrectly, the harness will be too short when you reinstall the airbag.
- The brackets between the various models are similar but may differ from the example shown.



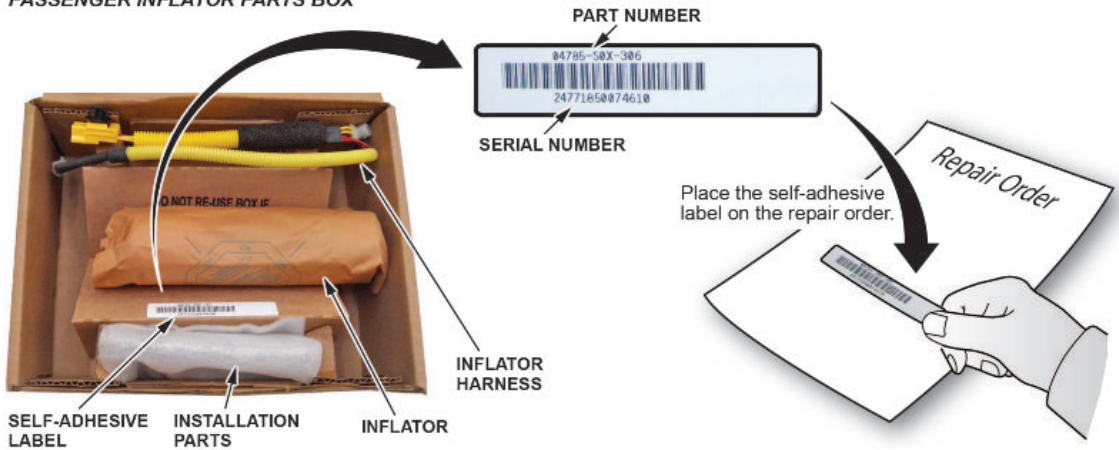
5. Visually inspect the airbag and the inflator for any unusual writing or markings. Refer to IDENTIFYING COUNTERFEIT AIRBAGS.

6. Peel the label located inside the inflator box from its backing, and attach it to the RO. For the warranty claim to be paid, the **replacement inflator part number that you received** must be included in the warranty claim.

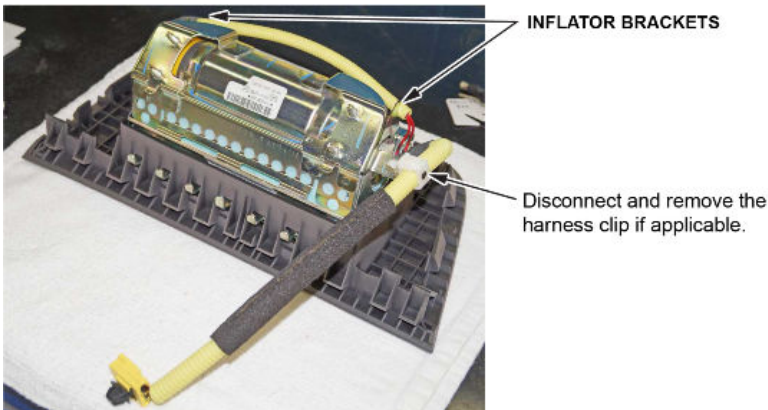
NOTES

- The replacement part number is printed on the top part of the label, and the serial number is printed on the bottom. **Make sure you attach the label to the RO and give it to the warranty clerk .**
- There may also be a colored sticker located in the kit; ignore it because it is not used.
- Not all inflator kits have a label included. In those cases, write the serial number and part number from the side of the inflator box on the RO. The part number always starts with 047.

PASSENGER INFLATOR PARTS BOX



7. Remove the harness from both ends of the inflator bracket.

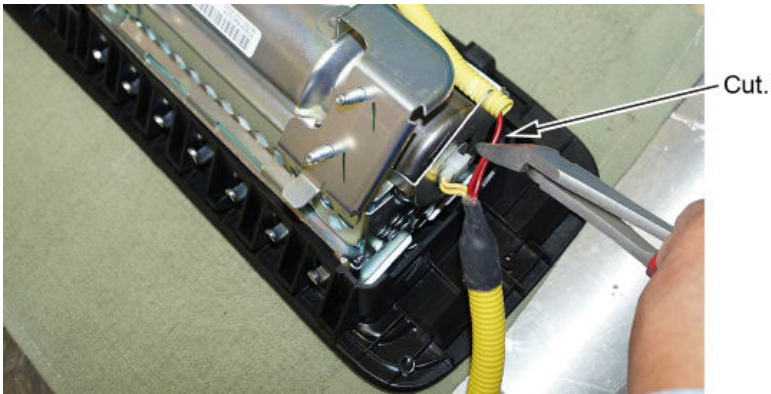


8. Short the red wires.

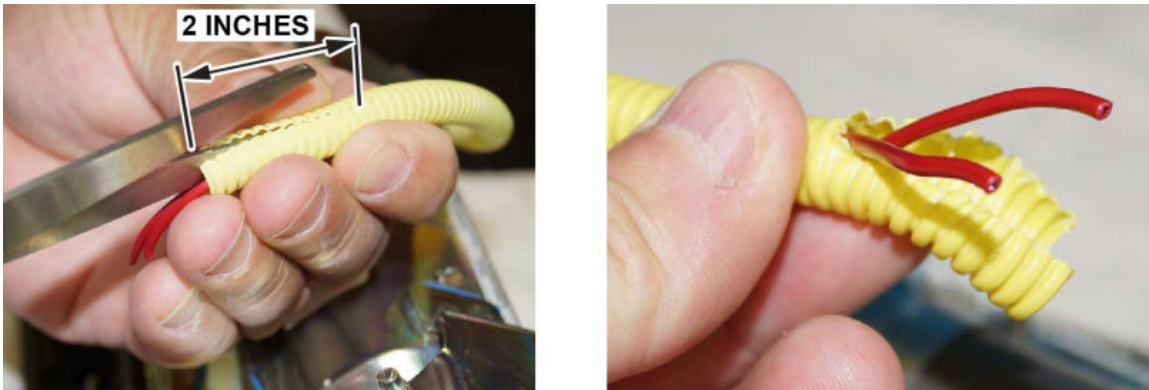
NOTE

You must cut and short the wires as indicated to prevent accidental deployment.

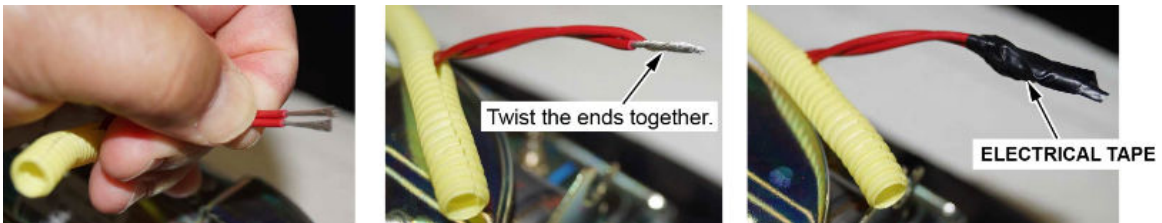
8.1. Cut the red wires as shown.



8.2. Cut about 2 inches of the corrugated tube, then pull out the two red wires.



8.3. Strip away about 1 inch of the wire insulation, then twist the wires together.

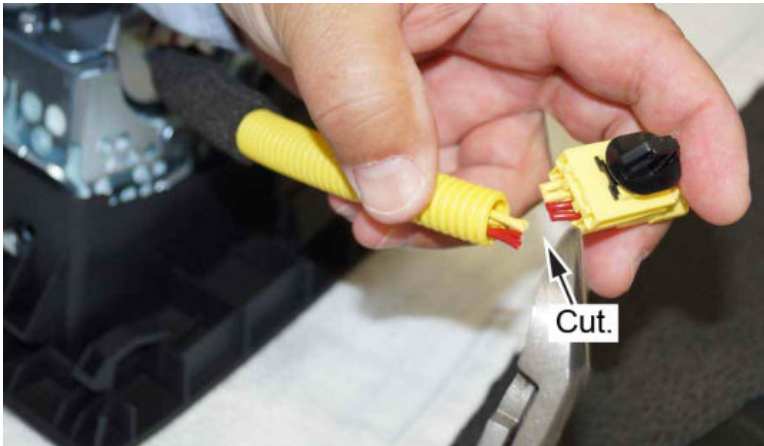


8.4. Tape the twisted ends with electrical tape.

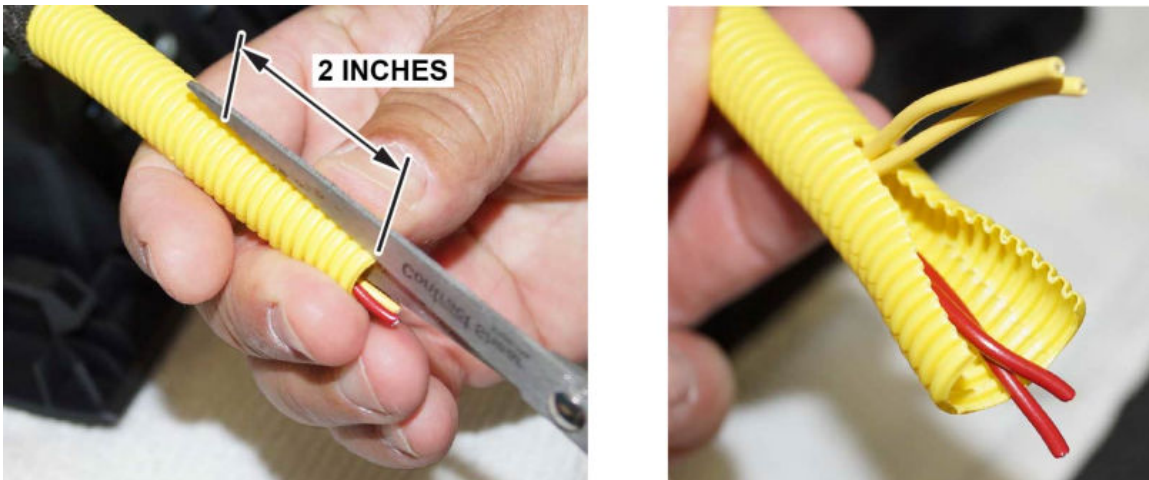
9. Cut off the connector, and short the yellow wires.

You must cut and short the wires as indicated to prevent accidental deployment.

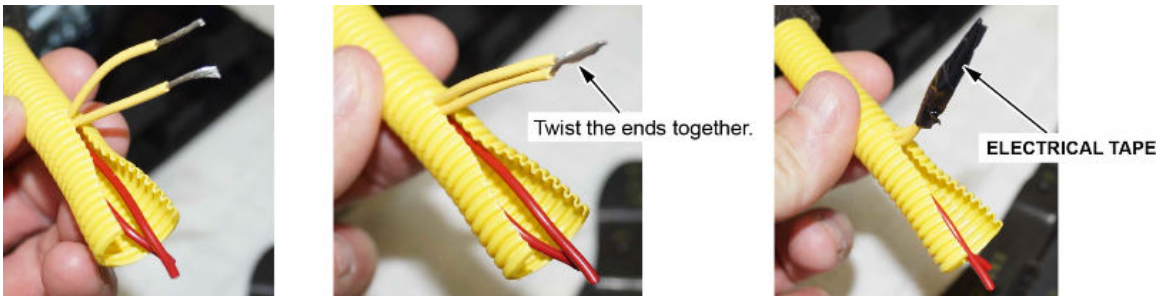
9.1. Cut all four wires to remove the connector.



9.2. Cut about 2 inches of the corrugated tube, then pull out the yellow wires.



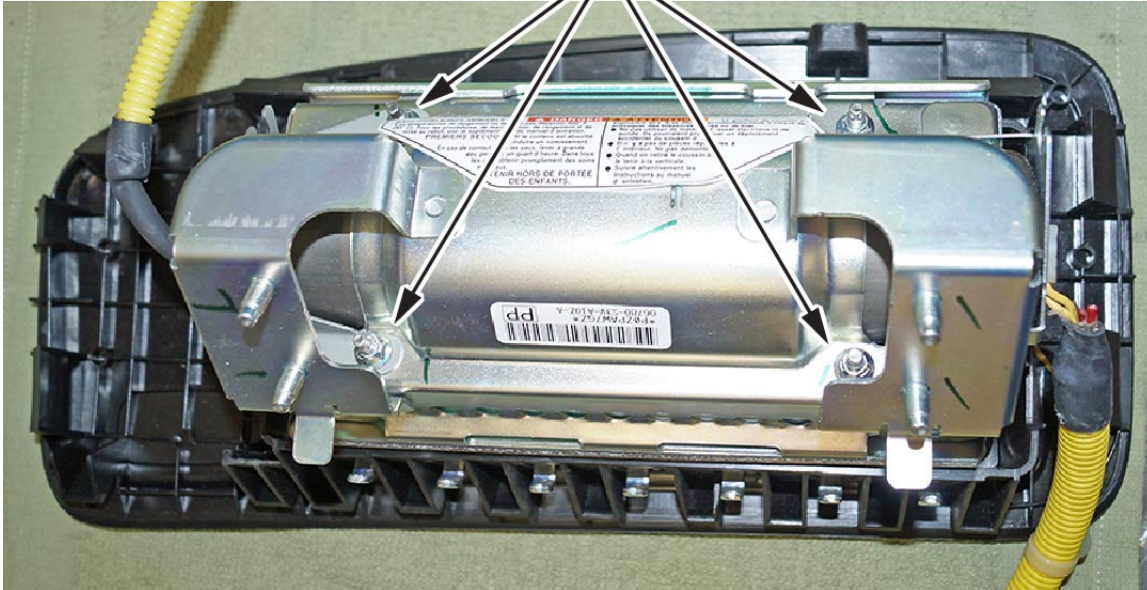
9.3. Strip away about an inch of the wire insulation, then twist the wires together.



9.4. Tape the twisted ends with electrical tape.

10. Remove the four inflator nuts.

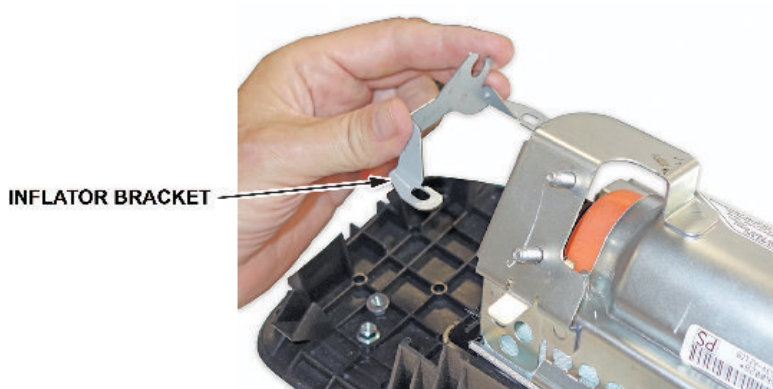
INFLATOR NUTS



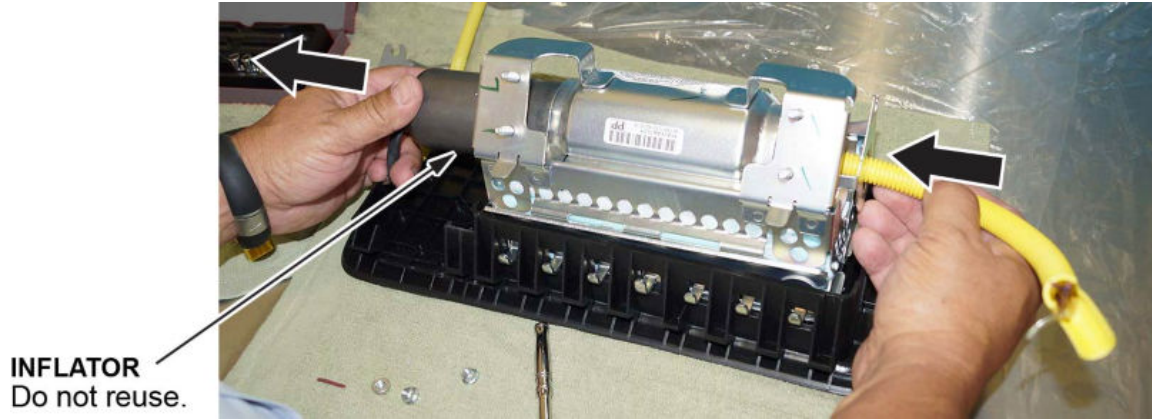
11. Remove the inflator bracket.

NOTE

You can only remove one of the brackets, as the other is welded to the airbag housing.



12. Remove the inflator by pushing it out.



13. Install the new inflator.

NOTE

There may be some minor surface rust or corrosion on the new inflator; this is OK.

Click [HERE](#) for a short video about the different variations of the driver's and front passenger's replacement inflators involved with the recalls related to inflators. While both the driver's and front passenger's inflators are shown in the video, this is informational only. Replace inflators only as directed by the iN VIN status inquiry.

13.1. **Check your part number against the ones listed for each installation procedure. Use the correct installation procedure for the part you received.**

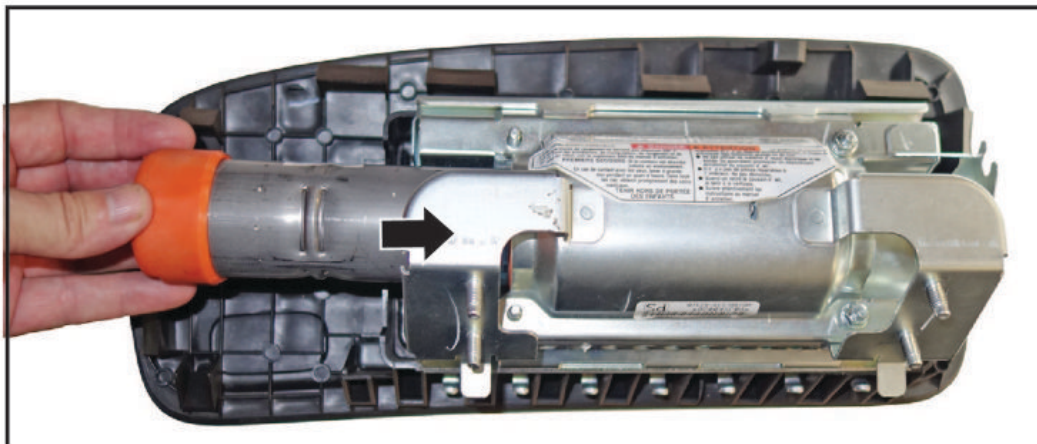
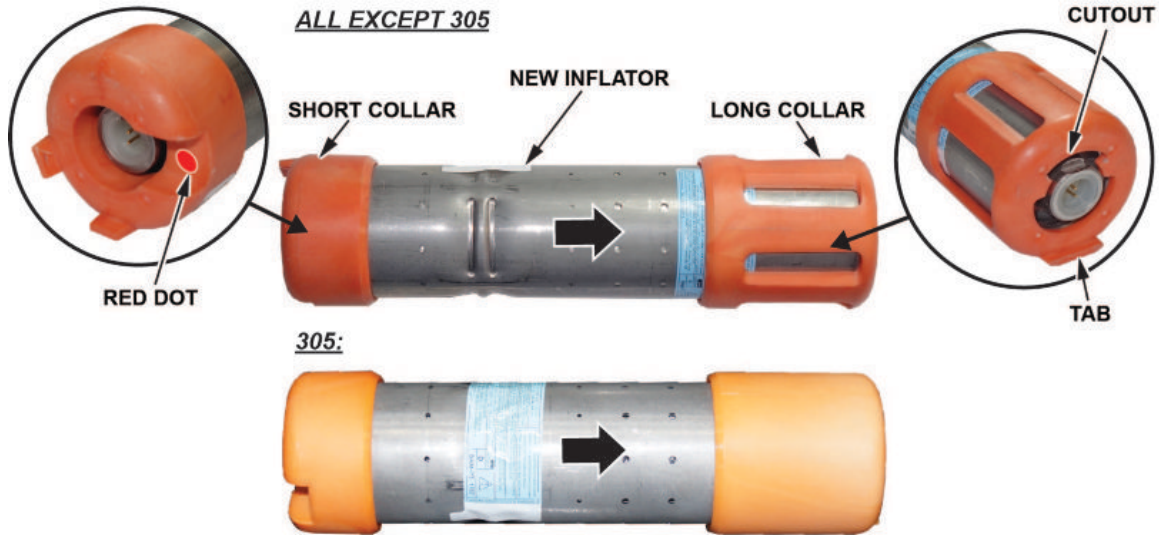
These inflators have orange collars.

04790-S3V-315	04790-S3V-A00	04790-S3V-305
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13.2. Collars on this inflator are orange.

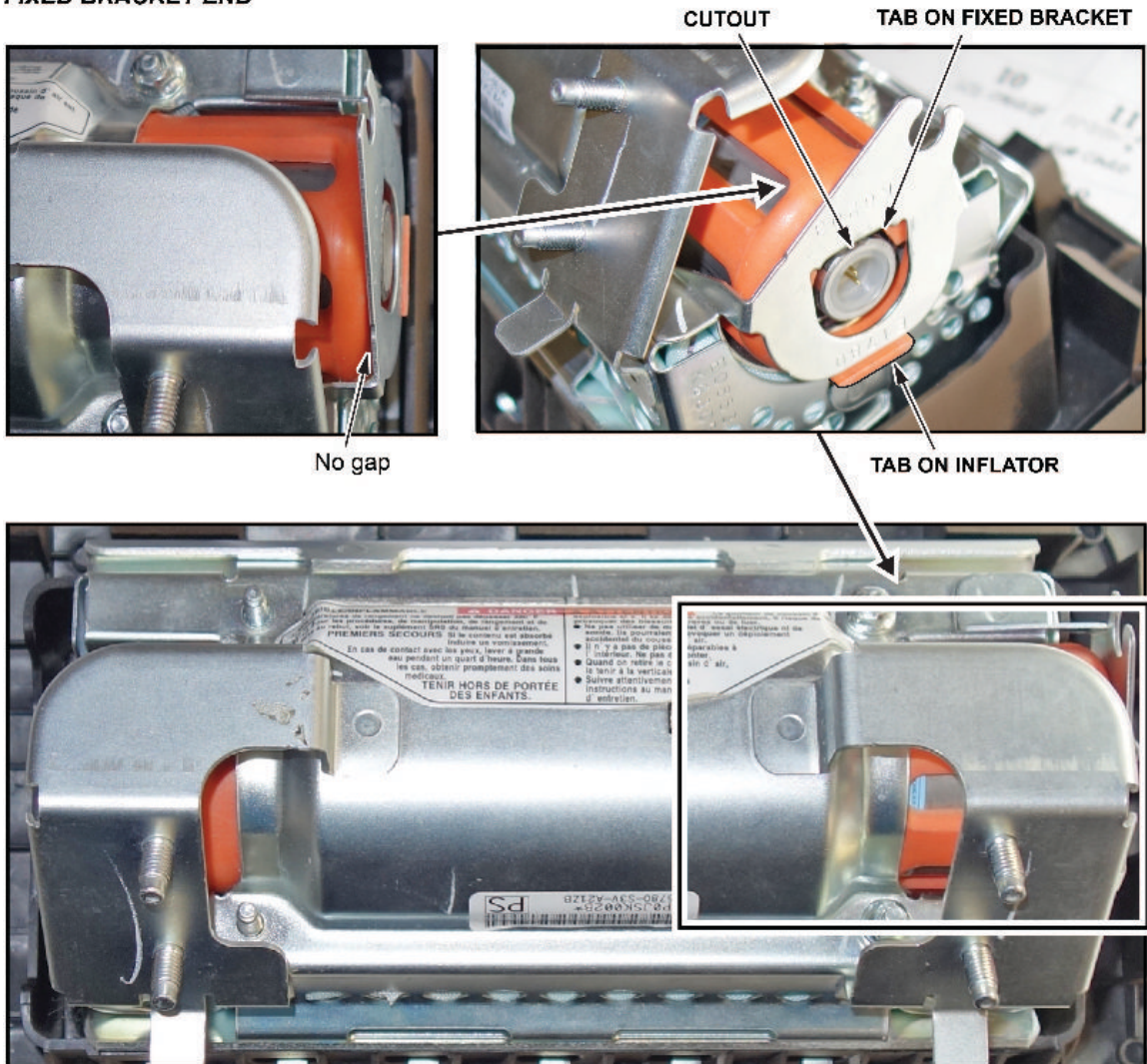
For part numbers ending in 315 and A00: One side of the inflator has a shorter collar, two tabs, and a notch with a red dot. The other side of the inflator has a longer collar, a tab, a plastic cutout, and a small flat spot on the connector. Make sure you insert the end with the longer collar into the airbag first.

For part numbers ending in 305: One side of the inflator has a shorter collar with no tabs, and a notch with a red dot. The other side of the inflator has a longer collar, a tab, a plastic cutout, and a small flat spot on the connector. Make sure you insert the end with the longer collar into the airbag first.

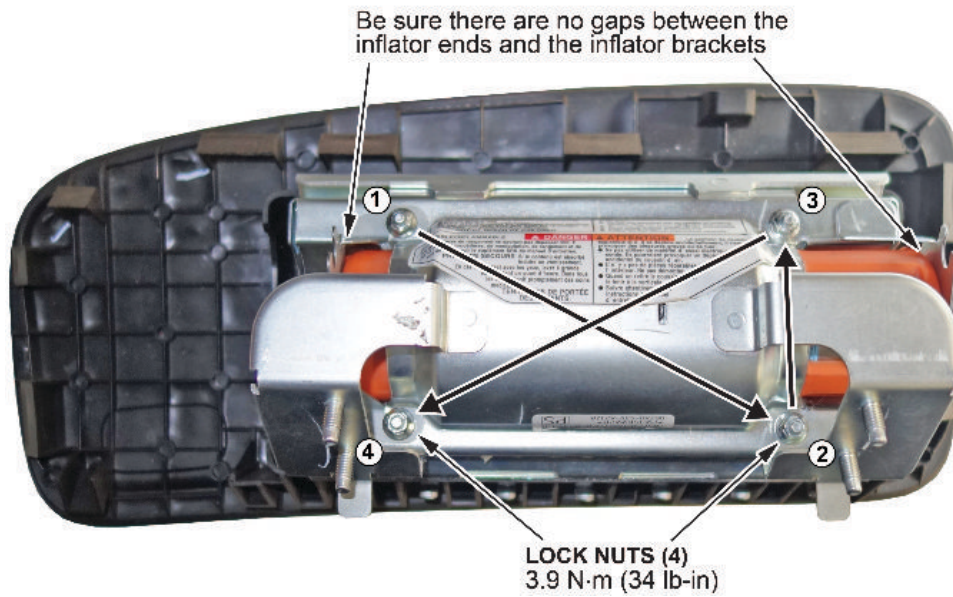


13.3. Slide the inflator in until the plastic cutout and the small flat spot align with the tab on the bracket. There should be no space or gap between the inflator and bracket.

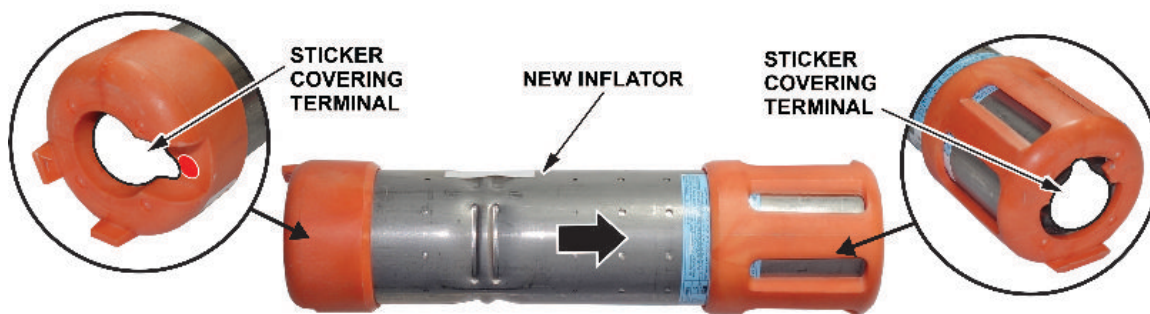
FIXED BRACKET END



14. Install the new 5 mm locknuts and torque them in sequence to **3.9 N•m (34 lb-in)** .



15. Remove the stickers covering the terminals on both sides of the new inflator.

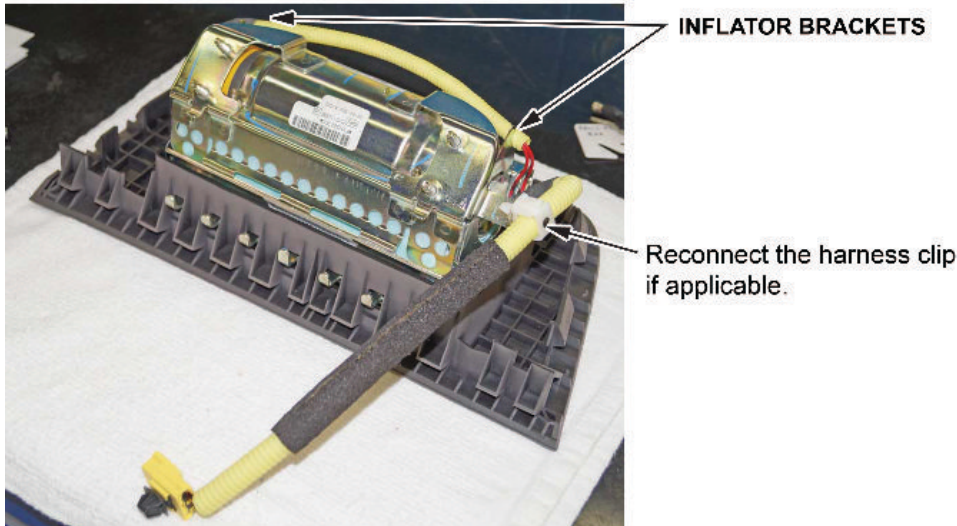


16. Install the new inflator harness.

16.1. Make sure the airbag and harness are aligned as shown.

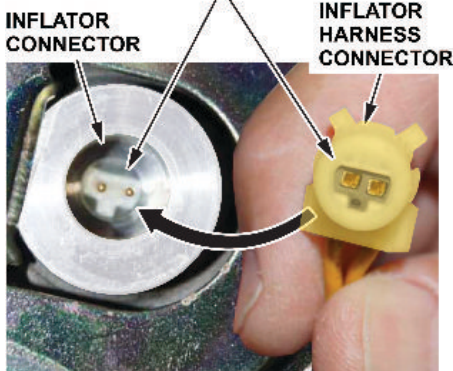
NOTES

- **Make sure you have the orientation correct as shown below.** If you connect the harness incorrectly, the harness cannot be removed, and you will not be able to reinstall the airbag because the harness will be too short.
- Connect the red wire connector to the short collar side of the inflator with the red dot.

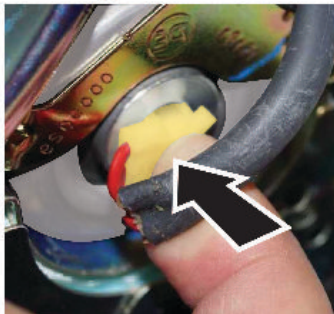


16.2. Connect the two connectors. Align the "T" shape in the inflator harness connector with the T-shaped inflator connector, then press the connector into place.

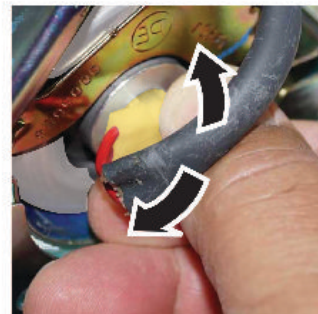
① Match up the "T" shape as shown. The connectors are directional.



② Press the connector into place until it clicks.



③ Wiggle the connector to make sure it's secure.



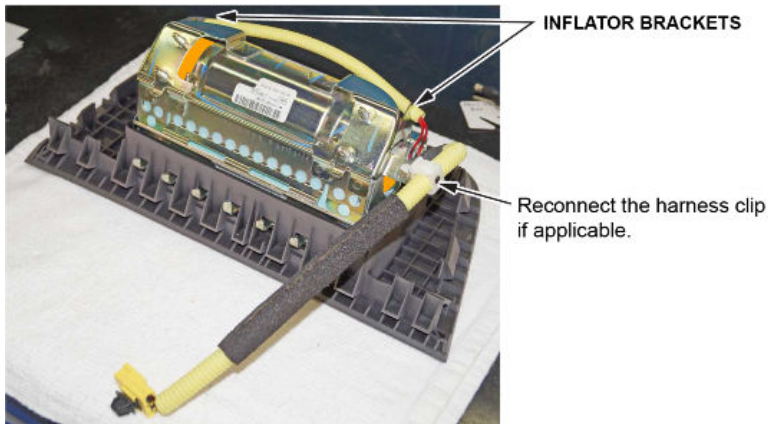
16.3. After you hear each connector click, wiggle it to make sure it is secure.

NOTE

If the connector is not properly aligned, it will come out.

17. Connect the harness to the inflator brackets.

17.1. Insert the side without the shrink wrap tubing into the bracket first.



17.2. Insert the side of the harness with the shrink wrap tubing into the inflator bracket. Make sure the harness is securely inserted and that it does not sag.

18. Install the passenger's airbag into the vehicle and torque the new locknuts to **9.8 N•m (7.2 lb-ft)** .
19. Connect the battery negative cable and enter the anti-theft code for the audio and navigation system (if applicable), then enter the audio unit presets.
20. Set the clock (for vehicles without navigation).
21. Turn the ignition to ON and make sure the SRS indicator comes on for about 6 seconds, then goes off.
22. Put the original inflator into the box the new one came in. Make sure there is no other hardware in the box because if the package rattles, it will not be accepted by the courier.
23. Follow the shipping instructions outlined in PIB B15-0006 to return the undeployed inflator.
24. Give your warranty clerk the RO that includes the replacement inflator serial number and replacement part number. For the warranty claim to be paid, the **replacement inflator part number** must be included in the warranty claim.

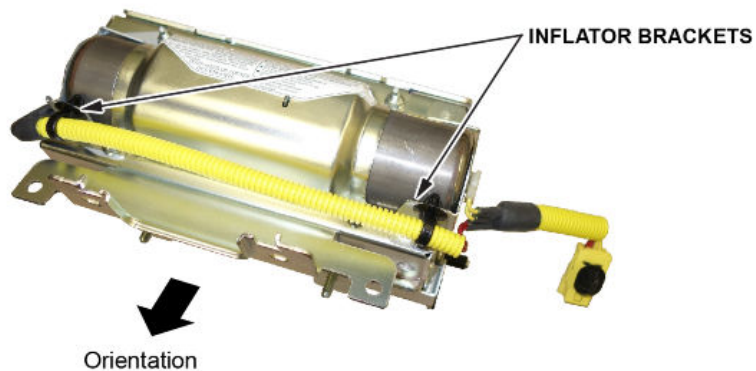
REPAIR PROCEDURE RL

NOTES

- If the VIN status inquiry indicates that the vehicle is subject to any open safety recalls, including the driver's airbag inflator, make sure to also complete those recall repairs before returning the vehicle to the client. If you are unable to complete any open recall, advise the client of the recall status and when the recall could be completed.
 - Make sure you have the anti-theft code for the audio and navigation system (if applicable), then write down the frequencies for the radio's preset buttons.
 - Be careful not to damage any parts when replacing the inflator, and **follow the procedure exactly**.
 - If, before removing the airbag, you suspect that it may be the incorrect airbag for the vehicle or a counterfeit, **do not remove the airbag**. Contact your DPSM for assistance.
 - Make sure you have reviewed the SRS Precautions and Procedures in the service information before doing the REPAIR PROCEDURE.
1. Turn the ignition to ON, and check if the SRS indicator comes on for about 6 seconds, then turns off.
 - If the indicator comes on, then turns off after about 6 seconds, turn the ignition to OFF, then go to step 2.
 - If the indicator does not come on, or if it stays on, contact your DPSM for assistance.
 2. Disconnect the battery negative cable and wait at least 3 minutes before continuing.
 3. Remove the front passenger's airbag. Refer to the applicable vehicle's service information.
 4. Place the airbag, face-down, on a clean shop towel.

NOTE

The orientation of the airbag is critical because if the inflator is installed incorrectly, the harness will be too short when you reinstall the airbag.



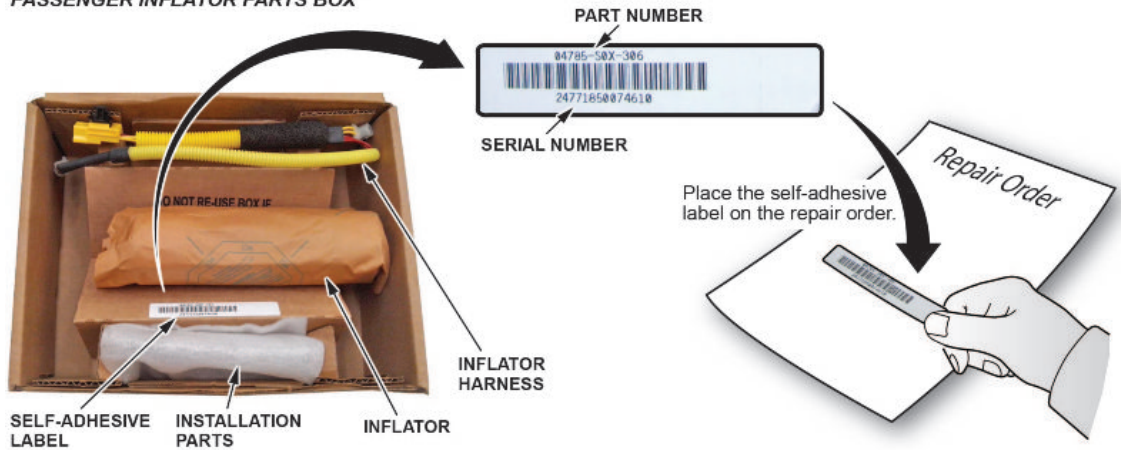
5. Visually inspect the airbag and the inflator for any unusual writing or markings. Refer to IDENTIFYING COUNTERFEIT AIRBAGS.

6. Peel the label located inside the inflator box from its backing, and attach it to the RO. For the warranty claim to be paid, the **replacement inflator part number that you received** must be included in the warranty claim.

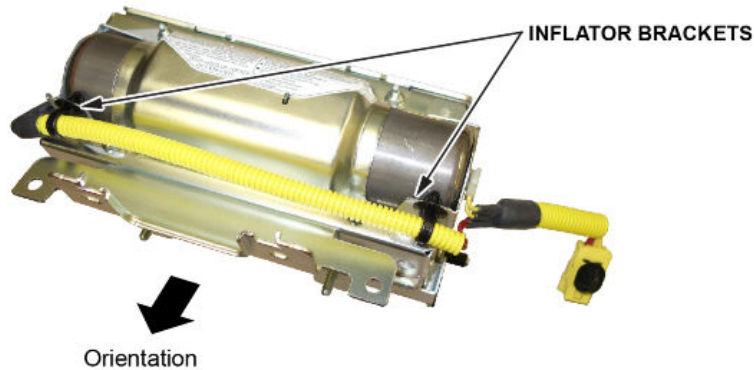
NOTES

- The replacement part number is printed on the top part of the label and the serial number is printed on the bottom. **Make sure you attach the label to the RO and give it to the warranty clerk .**
- There may also be a colored sticker located in the kit, ignore it because it is not used.
- Not all inflator kits have a label included. In those cases, write the serial number and part number from the side of the inflator box on the RO. The part number always starts with 047.

PASSENGER INFLATOR PARTS BOX



7. Remove the harness from both ends of the inflator bracket.



8. Short the yellow wires.

NOTE

You must cut and short the wires as indicated to prevent accidental deployment.

8.1. Cut the black rubber tubing to separate the red and yellow wires.

NOTE

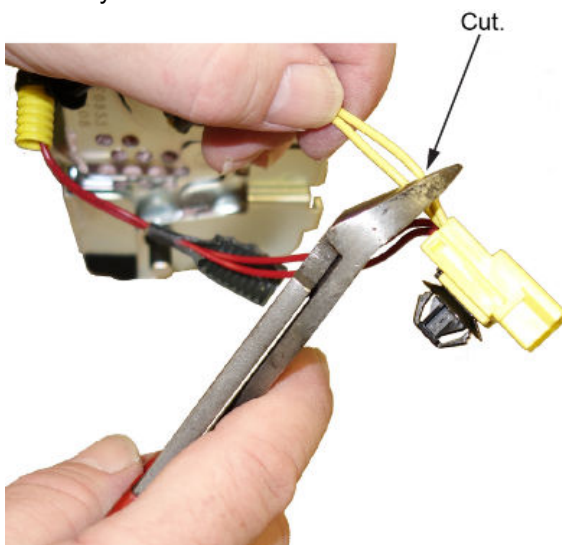
Make sure you don't cut the wires at this stage.



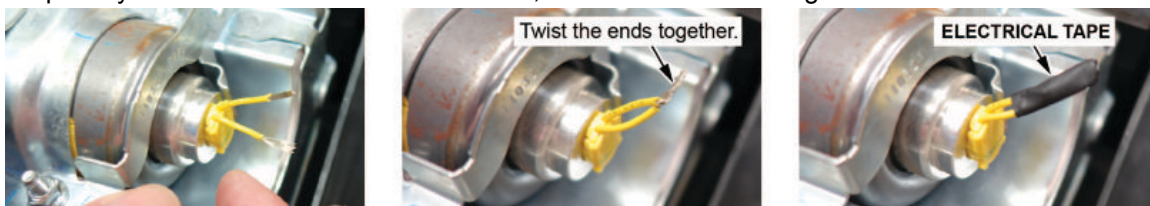
8.2. Cut and remove the yellow corrugated tubing.



8.3. Cut the yellow wires as shown.

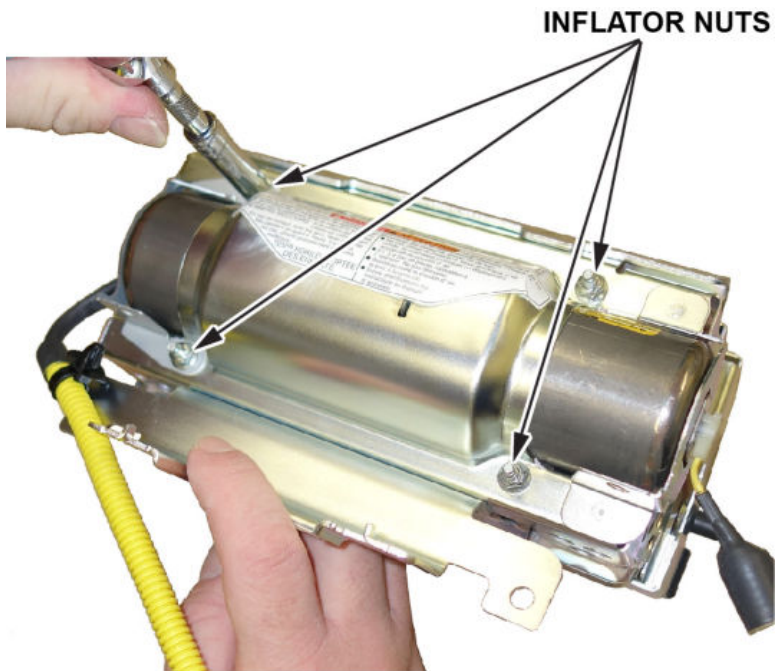


8.4. Strip away about 1 inch of the wire insulation, then twist the wires together.



8.5. Tape the twisted ends with electrical tape.

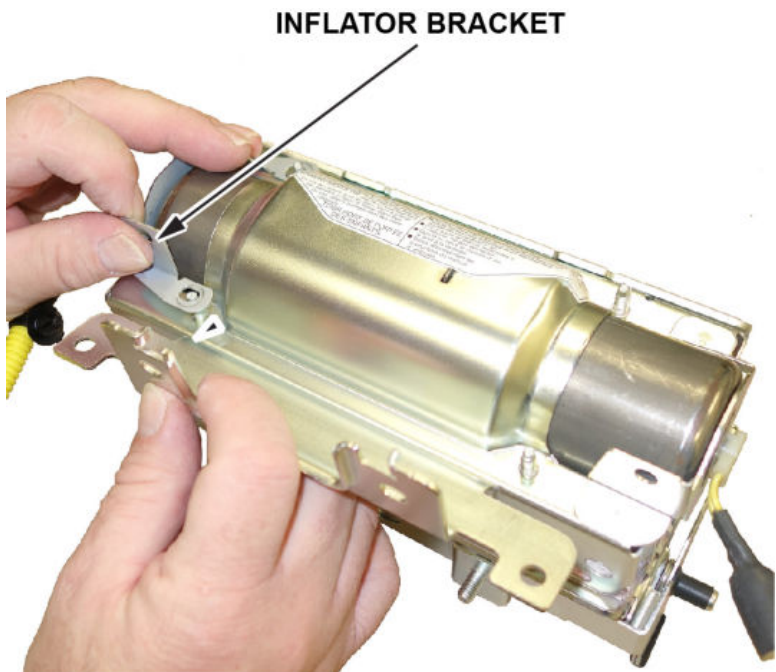
9. Remove the four inflator nuts.



10. Remove the inflator bracket.

NOTE

You can only remove one of the brackets, as the other is welded to the airbag housing.



11. Remove the inflator by pushing/pulling it out.



12. Install the new inflator.

NOTE

There may be some minor surface rust or corrosion on the new inflator; this is OK.

Click [HERE](#) for a short video about the different variations of the driver's and front passenger's replacement inflators involved with the recalls related to inflators. While both the driver's and front passenger's inflators are shown in the video, this is informational only. Replace inflators only as directed by the iN VIN status inquiry.

12.1. **Make sure you have the correct part number for the vehicle you're working on.**

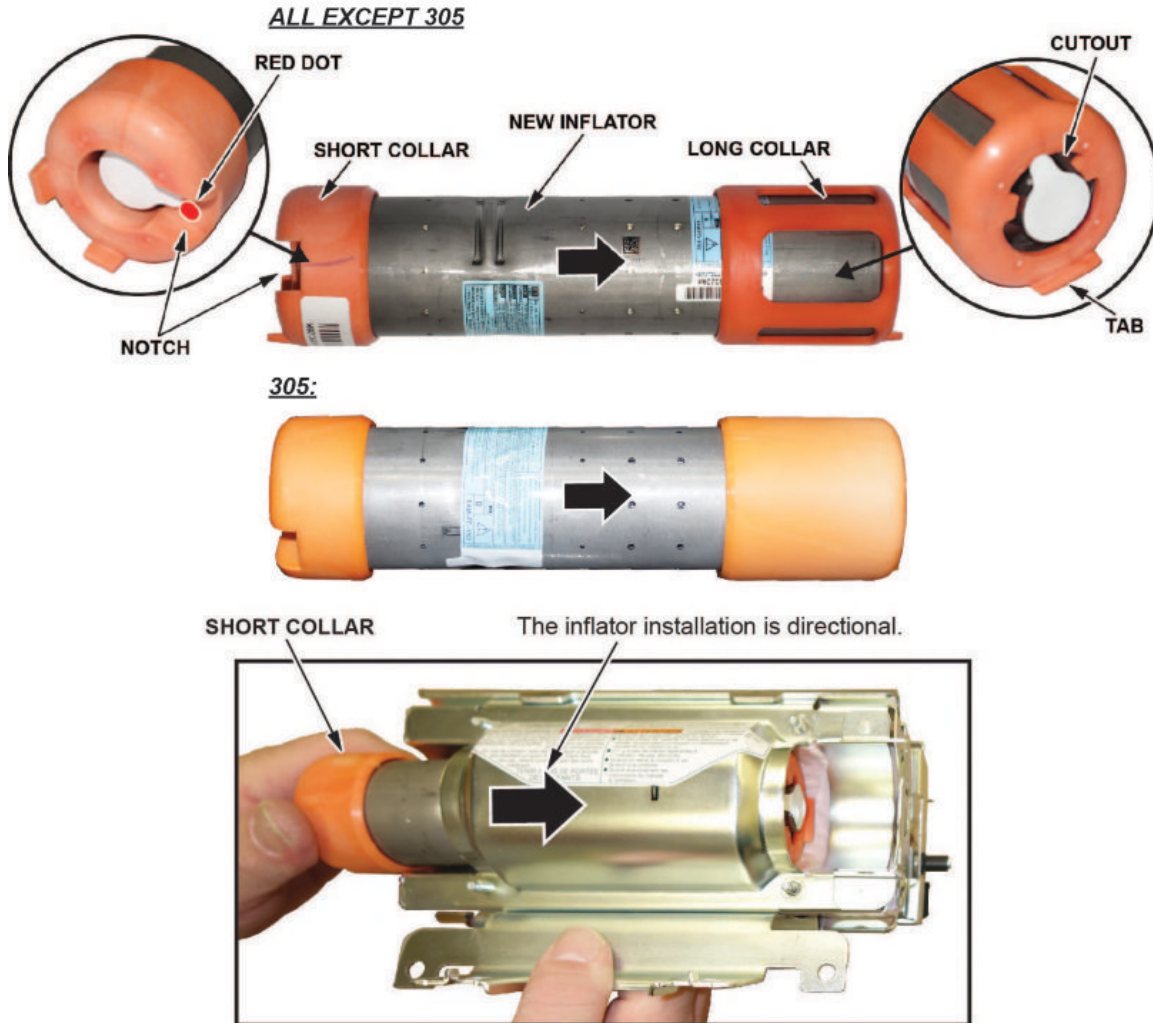
These inflators have orange collars.

04790-SJA-315	04790-SJA-A00	04790-SJA-305
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12.2. Collars on this inflator are orange.

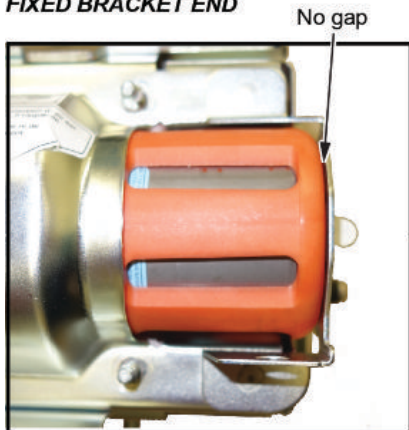
For part numbers ending in 315 and A00: One side of the inflator has a shorter collar, two tabs, and a notch with a red dot. The other side of the inflator has a longer collar, a tab, a plastic cutout, and a small flat spot on the connector. Make sure you insert the end with the longer collar into the airbag first.

For part numbers ending in 305: One side of the inflator has a shorter collar with no tabs, and a notch with a red dot. The other side of the inflator has a longer collar, a tab, a plastic cutout, and a small flat spot on the connector. Make sure you insert the end with the longer collar into the airbag first.



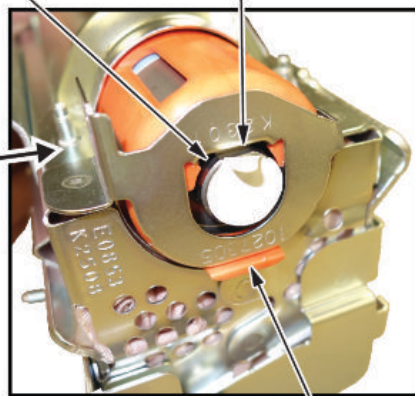
12.3. Slide the inflator in until the plastic cutout and the small flat spot align with the tab on the bracket. There should be no space or gap between the inflator and bracket.

FIXED BRACKET END

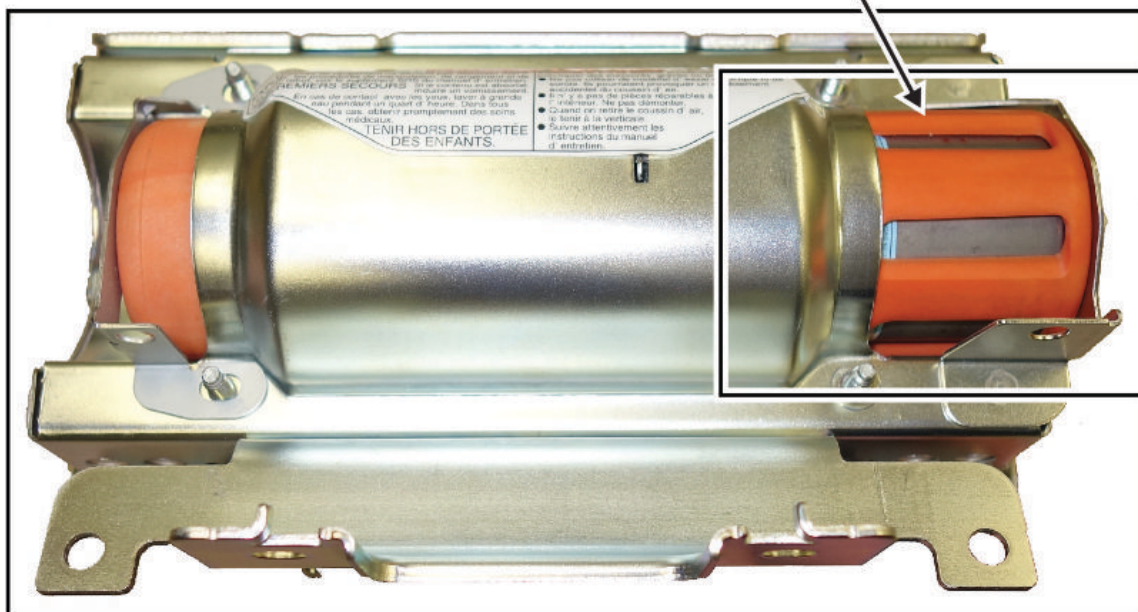


CUTOUT

TAB ON FIXED BRACKET

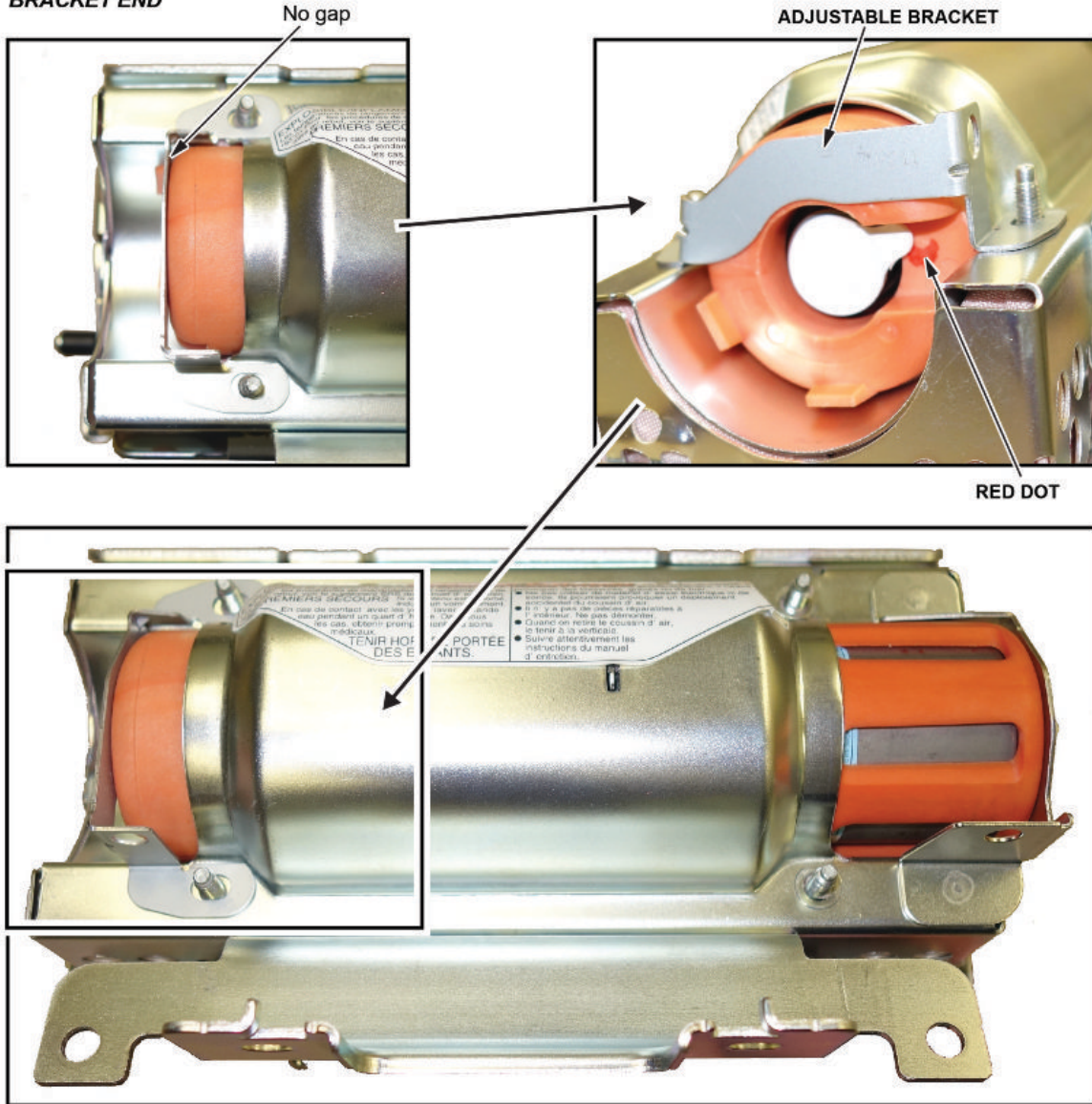


TAB ON INFLATOR

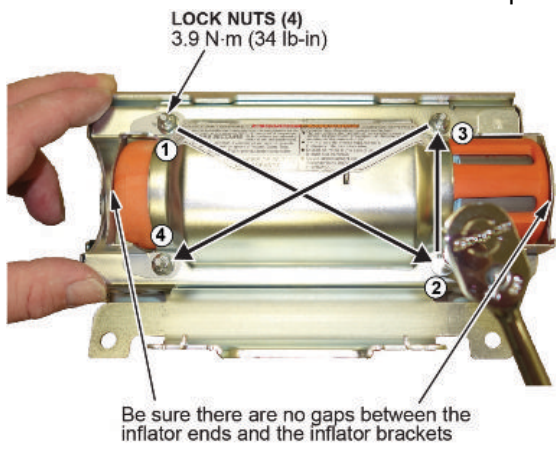


12.4. Install the bracket included in the kit onto the airbag module. There should be a red dot visible on the end of the plastic collar. There should be no space or gap between the inflator and bracket.

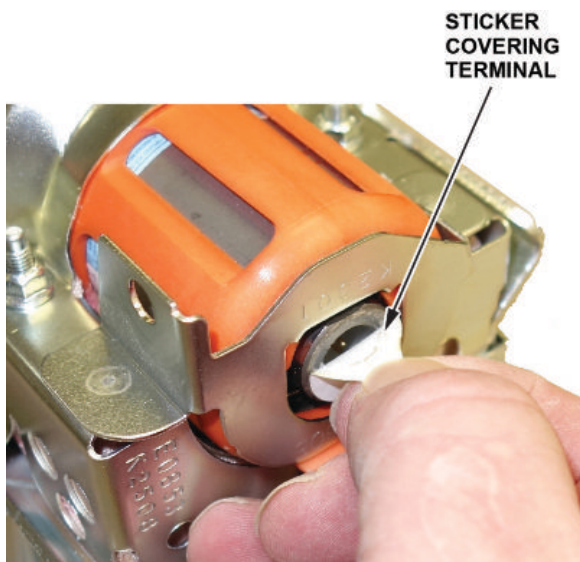
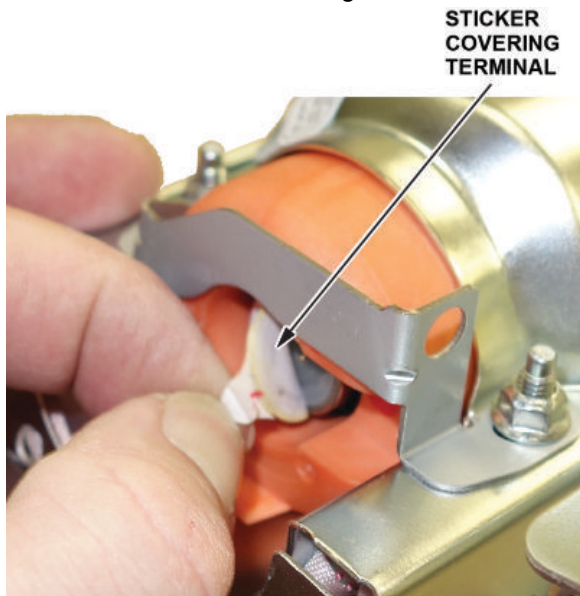
**ADJUSTABLE
BRACKET END**



13. Install the four new 5 mm locknuts and torque them in sequence to **3.9 N•m (34 lb-in)** .



14. Remove the stickers covering the terminals on both sides of the new inflator.

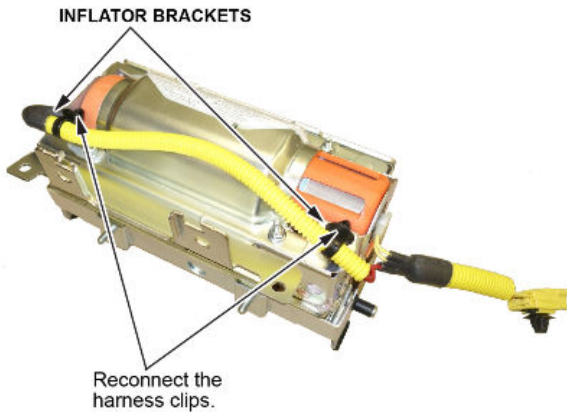


15. Install the new inflator harness.

15.1. Make sure the airbag and harness are aligned as shown.

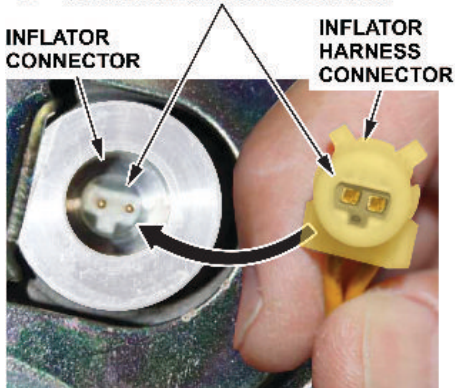
NOTES

- **Make sure you have the orientation correct as shown below.** If you connect the harness incorrectly, the harness cannot be removed, and you will not be able to reinstall the airbag because the harness will be too short.
- Connect the red wire connector to the short collar side of the inflator with the red dot.

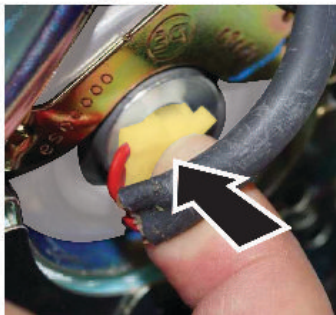


15.2. Connect the two connectors. Align the "T" shape in the inflator harness connector with the T-shaped inflator connector, then press the connector into place.

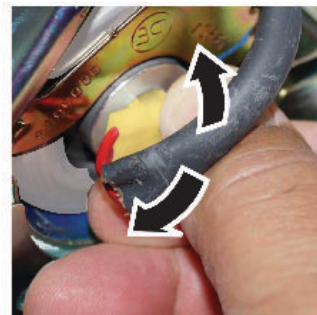
① Match up the "T" shape as shown. The connectors are directional.



② Press the connector into place until it clicks.



③ Wiggle the connector to make sure it's secure.

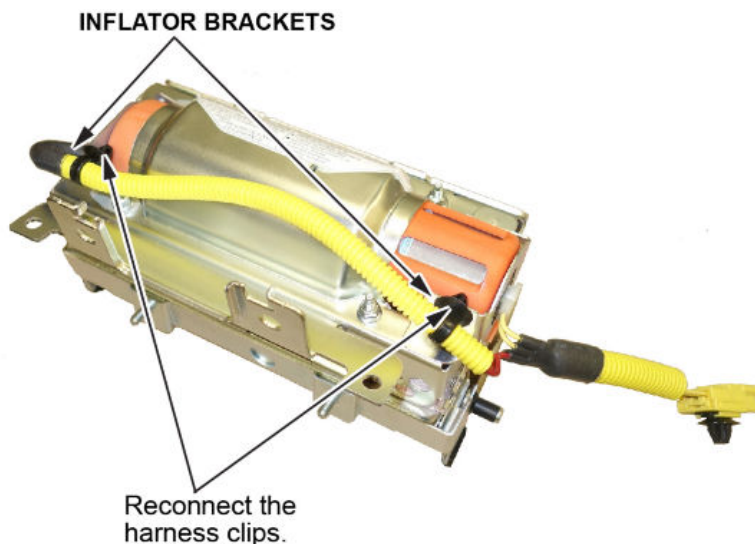


15.3. After you hear each connector click, wiggle it to make sure it is secure.

NOTE

If the connector is not properly aligned, it will come out.

16. Connect the harness to the inflator brackets.



17. Install the passenger's airbag into the vehicle and torque the new locknuts to **9.8 N•m (7.2 lb-ft)** .
18. Connect the battery negative cable and enter the anti-theft code for the audio and navigation system (if applicable), then enter the audio presets.
19. Set the clock (for vehicles without navigation).
20. Turn the ignition to ON and make sure the SRS indicator comes on for about 6 seconds, then goes off.
21. Put the original inflator into the box the new one came in. Make sure there is no other hardware in the box because if the package rattles, it will not be accepted by the courier.
22. Follow the shipping instructions outlined in PIB B15-0006 to return the undeployed inflator.
23. Give your warranty clerk the RO that includes the replacement inflator serial number and replacement part number. For the warranty claim to be paid, the **replacement inflator part number** must be included in the warranty claim.

INSULATION REMOVAL

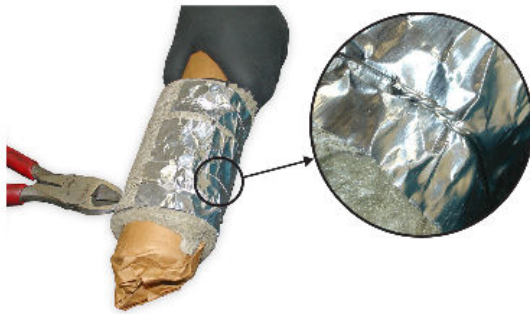
If the replacement inflator is wrapped with shipping insulation, remove it.

NOTES

- Wear disposable gloves and protective glasses. The insulation is not toxic or dangerous, but some people may be sensitive to the insulation.
 - Dispose of the insulation and wrapping paper to avoid getting the insulation dust/fibers on you or the airbag assembly.
 - Do not reuse the insulation or wrapping paper. You do not need to wrap the inflator being removed from the vehicle when it is returned.
1. Cut the wires off from the opposite side from where they are tied (twisted) together.

NOTE

Do not cut the insulation.



2. Hold the paper wrapping the inflator with one hand and slide the insulation off into the trash.

NOTE

The insulation is securely wrapped around the inflator. You may have to use some force to slide the insulation off. Do not cut the insulation and be careful that you do not move the plastic collars.



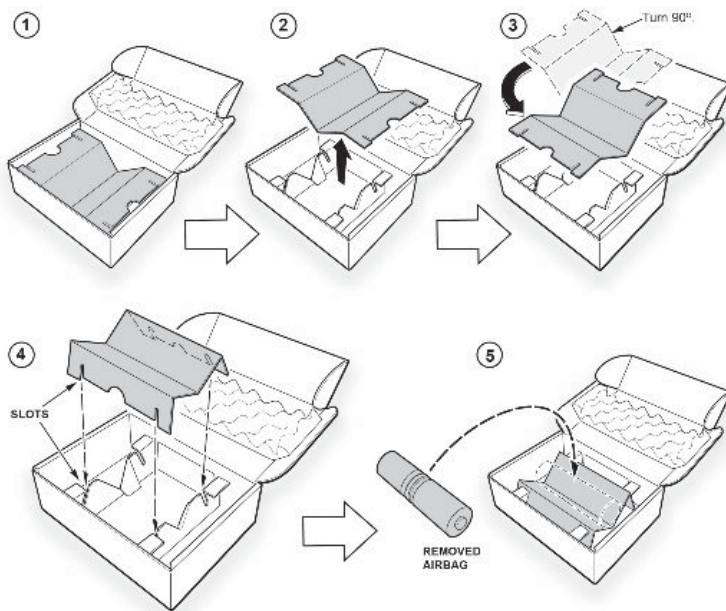
3. Remove the wrapping paper and drop it into the trash.



4. To return the original inflator, remove the cardboard insert and turn it 90 degrees. Then insert the cardboard into the slots as shown.

NOTES

- **Do not reuse the shipping insulation.**
- The cardboard insert needs to be adjusted to send back the original inflator otherwise the original inflator removed from the vehicle will rattle around and may be rejected by the courier.



END