

**Air Bag Disposal Passenger, Undeployed, Scrapped Vehicle****Remote Deployment**

**⚠ WARNING:** Always wear safety glasses when repairing an air bag supplemental restraint system (SRS) vehicle and when handling an air bag module or safety belt retractor/pretensioner assembly. This will reduce the risk of injury in the event of an accidental deployment.

**⚠ WARNING:** Never probe the connectors on the air bag module. Doing so can result in air bag deployment, which can result in personal injury.

**⚠ WARNING:** Carry a live air bag module with the air bag and trim cover or deployment door pointed away from your body. This will reduce the risk of injury in the event of an accidental deployment.

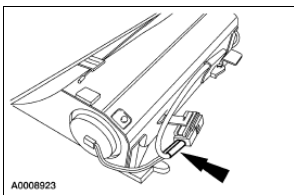
**⚠ WARNING:** Remote deployment is to be carried out outdoors with all personnel at least 6.1 meters (20 feet) away to ensure personal safety. Due to the loud report which occurs when the air bag is deployed, hearing protection is required.

**⚠ WARNING:** Do not place the driver or passenger air bag module with the trim cover or deployment door facing down, as the forces of the deploying air bag could cause it to ricochet and cause personal injury.

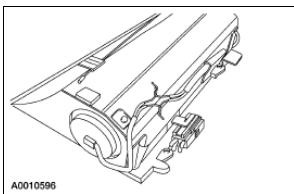
**⚠ WARNING:** After deployment, the air bag surface can contain deposits of sodium hydroxide, a product of the gas generant combustion that is irritating to the skin. Wash your hands with soap and water afterwards.

**NOTE:** A typical passenger air bag disposal is shown that is similar for all vehicles.

1. Remove the passenger air bag from the vehicle. For additional information, refer to [Passenger Air Bag Module](#) in this section.
2. Cut and strip all four wires at the air bag electrical connector.

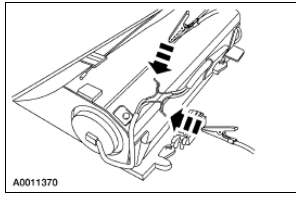


3. Twist together one wire from each pair.

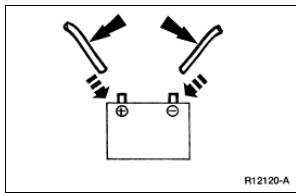


4. Obtain two wires (20 gauge minimum) at least 6.1 meters (20 feet) long and attach one end of each

wire to each twisted splice.



5. Place the air bag module on a flat surface in an open outdoor area with the trim cover facing upward.
6. Remain at least 6.1 meters (20 feet) away from the air bag module.
7. Deploy the air bag module by touching the other ends of the two wires to the terminals of a 12-volt battery.



8. To allow for cooling, wait at least ten minutes before approaching the deployed air bag.
  9. Dispose of the deployed air bag module in the same manner as any other part to be scrapped.
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**Air Bag Disposal Side, Undeployed, Scrapped Vehicle****Remote Deployment**

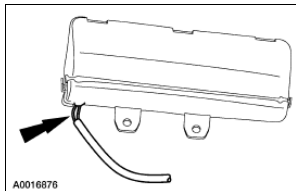
**⚠ WARNING:** Always wear safety glasses when repairing an air bag supplemental restraint system (SRS) vehicle and when handling an air bag module or safety belt retractor/pretensioner assembly. This will reduce the risk of injury in the event of an accidental deployment.

**⚠ WARNING:** Carry a live air bag module with the air bag and trim cover or deployment door pointed away from your body. This will reduce the risk of injury in the event of an accidental deployment.

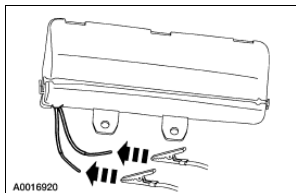
**⚠ WARNING:** Remote deployment is to be performed outdoors with all personnel at least 6.1 meters (20 feet) away to ensure personal safety. Due to the loud report which occurs when the air bag is deployed, hearing protection is required.

**⚠ WARNING:** Do not place the driver or passenger air bag module with the trim cover or deployment door facing down, as the forces of the deploying air bag could cause it to ricochet and cause personal injury.

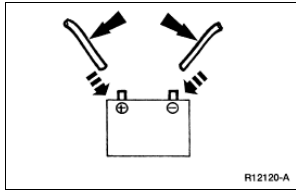
1. Remove the side air bag from the vehicle. For additional information, refer to Side Air Bag Module Driver Side or Side Air Bag Module Passenger Side in this section.
2. Cut and strip the wires.



3. Obtain two wires (20 gauge minimum) at least 6.1 meters (20 feet) long and attach one end of each wire to stripped ends of the side air bag wires.



4. Place the air bag module on a flat surface in an open outdoor area.
5. Remain at least 6.1 meters (20 feet) away from the air bag module.
6. Deploy the air bag module by touching the other ends of the two wires to the terminals of a 12 volt battery.



7. To allow for cooling, wait at least ten minutes before approaching the deployed air bag.
  8. Dispose of the deployed air bag module in the same manner as any other part to be scrapped.
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### **Safety Belt Pretensioner Disposal Deployed**

1. **⚠ WARNING: Always wear safety glasses when repairing an air bag supplemental restraint system (SRS) vehicle and when handling a safety belt retractor/pretensioner assembly. This will reduce the risk of injury in the event of an accidental deployment.**

Dispose of the deployed safety belt pretensioner in the same manner as any other part to be scrapped.

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**Safety Belt Pretensioner Disposal Undeployed, Inoperative**

**⚠ WARNING:** The safety belt pretensioner is a pyrotechnic device. Always wear safety glasses when repairing an air bag equipped vehicle and when handling a safety belt buckle pretensioner or safety belt retractor pretensioner. Never probe a pretensioner electrical connector. Doing so could result in pretensioner or air bag deployment and could result in personal injury.

**⚠ WARNING:** Carry a live safety belt retractor pretensioner or safety belt buckle pretensioner so as to keep fingers and clothing away from moveable parts. This will reduce the risk of injury in the event of an accidental deployment.

**NOTE:** All inoperative safety belt buckle pretensioners and safety belt retractor pretensioners have been placed on the Mandatory Return List. All damaged safety belt buckle pretensioners and safety belt retractor pretensioners must be treated the same as any inoperative live safety belt buckle pretensioner or safety belt retractor pretensioner being returned.

1. Remove the inoperative safety belt buckle pretensioner or safety belt retractor pretensioner from the vehicle. For additional information, refer to Section 501-20A .
  2. Package and return the inoperative safety belt buckle pretensioner or safety belt retractor pretensioner to Ford Motor Company.
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**Safety Belt Pretensioner Disposal Undeployed, Scrapped Vehicle****Remote Deployment**

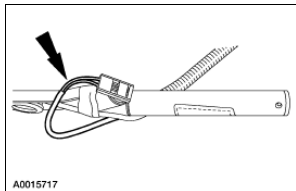
**⚠ WARNING:** Always wear safety glasses when repairing an air bag supplemental restraint system (SRS) vehicle and when handling an air bag module or safety belt retractor/pretensioner assembly. This will reduce the risk of injury in the event of an accidental deployment.

**⚠ WARNING:** Carry a live air bag module with the air bag and trim cover or deployment door pointed away from your body. This will reduce the risk of injury in the event of an accidental deployment.

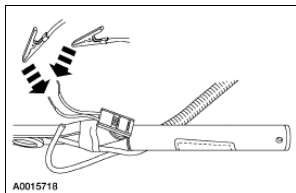
**⚠ WARNING:** Remote deployment is to be performed outdoors with all personnel at least 6.1 meters (20 feet) away to ensure personal safety. Due to the loud report which occurs when the air bag is deployed, hearing protection is required.

**⚠ WARNING:** Do not place the driver or passenger air bag module with the trim cover or deployment door facing down, as the forces of the deploying air bag could cause it to ricochet and cause personal injury.

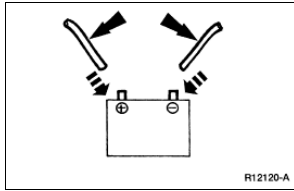
1. Remove the safety belt pretensioner from the vehicle. For additional information, refer to [Section 501-10](#).
2. Cut and strip the wires near the electrical connector.



3. Obtain two wires (20 gauge minimum) at least 6.1 meters (20 feet) long and attach one end of each wire to stripped ends of the pretensioner wires.



4. Place the pretensioner on a flat surface in an open outdoor area.
5. Remain at least 6.1 meters (20 feet) away from the safety belt pretensioner.
6. Deploy the safety belt pretensioner by touching the other ends of the two wires to the terminals of a 12-volt battery.



7. To allow for cooling, wait at least ten minutes before approaching the deployed safety belt pretensioner.
  8. Dispose of the deployed safety belt pretensioner in the same manner as any other part to be scrapped.
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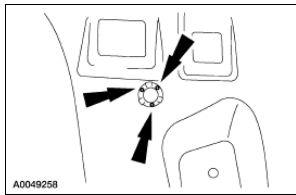


**Weld Nut Repair Missing Weld Nut**

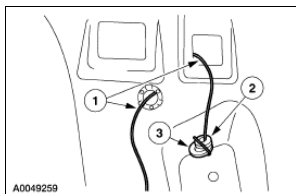
**⚠ CAUTION:** Installing a J-nut in place of a weld nut is not a recommended repair.

**NOTE:** C-pillar repair shown, others similar.

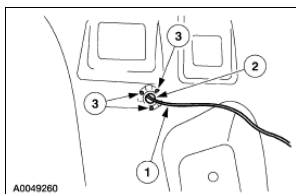
1. Remove the component from where the weld nut is to be repaired. Refer to the appropriate removal and installation procedure in this section.
2. Drill three equally spaced 5/64 in (1.75 mm) holes in close proximity to where the weld nut face will be plug welded back to the sheet metal.



3. Obtain the appropriate 6 mm (0.24 in) or 8 mm (0.32 in) weld nut.
4. Obtain the appropriate 6 mm (0.24 in) by 1.0 or 8 mm (0.32 in) by 1.25 grounding screw (self-tapping).
5. Set up for the positioning of the weld nut.
  1. Route a sufficient length of wire through the weld nut clearance hole and back out an adjacent access hole.
  2. Position a weld nut, shoulder end up, onto the wire.
  3. Position a flat washer onto the wire and secure it so it cannot be pulled off.



6. Plug weld the weld nut into position.
  1. Pull the welding wire back through the clearance hole, allowing the weld nut and flat washer to follow the welding wire through and stop against the sheet metal.
  2. Make sure the weld nut shoulder is aligned through the clearance hole in the sheet metal.
  3. With the weld nut firmly held in position, plug weld the weld nut at the three holes drilled previously.



7. Metal finish as required.

8. Verify the nut is securely in place.
  9. Install the component with the previously obtained screw.
  10. Tighten the attaching screws to specification. For additional information, refer to Specifications in this section.
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**Weld Nut Repair Stripped Weld Nut**

1. Remove the component from where the weld nut is to be repaired. Refer to the appropriate removal and installation procedure in this section.
  2. Inspect the weld nut and surrounding area for repair.
    - If there is not enough clearance for a larger bolt stud to go through or a larger bolt head to turn, then a threaded insert will have to be installed. Follow the instructions with the thread insert repair kit.
  3. If a 6 mm weld nut is stripped, drill out the hole using a letter "H" or 0.26 in (6.5 mm) drill bit. Then tap, using an 8 mm by 1.25 bit.
    - Do not oversize a 6 mm weld nut by more than 8 mm.
  4. If an 8 mm weld nut is stripped, drill the hole using a letter "R" or 0.3990 in (9.75 mm) drill bit. Then tap, using a 10 mm by 1.50 bit.
    - Do not oversize an 8 mm weld nut by more than 10 mm.
  5. Obtain the appropriate oversized screw.
  6. Install the attaching screw(s) to the component.
  7. Tighten the attaching screws to specification. For additional information, refer to Specifications in this section.
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