

Quick Connect Coupling

Disconnect — Type I



WARNING: Always disconnect the battery ground cable at the battery when working on an evaporative emission (EVAP) system or fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.



WARNING: Do not smoke, carry lighted tobacco or have an open flame of any type when working on or near any fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.



WARNING: Before working on or disconnecting any of the fuel tubes or fuel system components, relieve the fuel system pressure to prevent accidental spraying of fuel. Fuel in the fuel system remains under high pressure, even when the engine is not running. Failure to follow this instruction may result in serious personal injury.



WARNING: Do not carry personal electronic devices such as cell phones, pagers or audio equipment of any type when working on or near any fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.



WARNING: When handling fuel, always observe fuel handling precautions and be prepared in the event of fuel spillage. Spilled fuel may be ignited by hot vehicle components or other ignition sources. Failure to follow these instructions may result in serious personal injury.

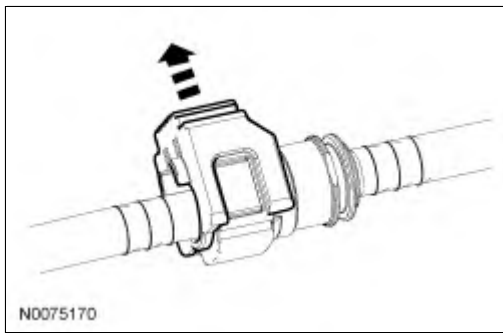
NOTICE: Fuel injection equipment is manufactured to very precise tolerances and fine clearances. It is essential that absolute cleanliness is observed when working with these components or component damage may occur. Always install plugs to any open orifices or tubes.

NOTICE: When reusing liquid or vapor tube connectors, make sure to use compressed air to remove any foreign material from the connector retaining clip area before separating from the tube or damage to the tube or connector retaining clip may occur.

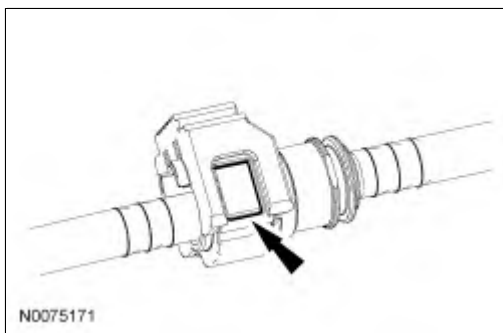
NOTE: During the repair or replacement of fuel-related components, all fuel liquid and fuel vapor openings must be capped, taped or otherwise appropriately protected to prevent the ingress of dirt or other contamination. All caps, tape and other protective materials must be removed prior to installation.

1. If servicing a liquid fuel tube, release the fuel system pressure. For additional information, refer to [Fuel System Pressure Release](#) in this section.
2. Disconnect the battery ground cable. For additional information, refer to [Section 414-01](#).
3. **NOTICE:** Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

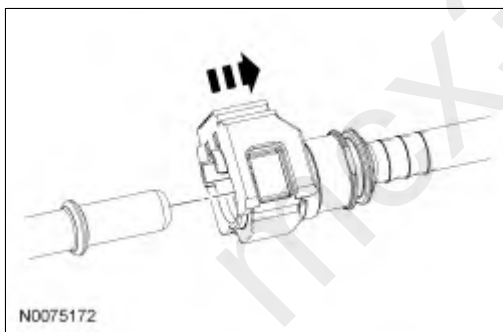
Position the secondary latch outward.



4. Squeeze both of the release tabs.

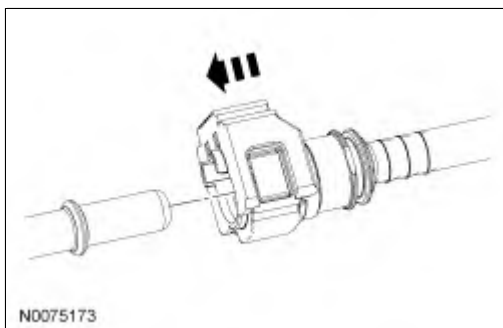


5. Remove the quick connect coupling from the tube.



Connect — Type I

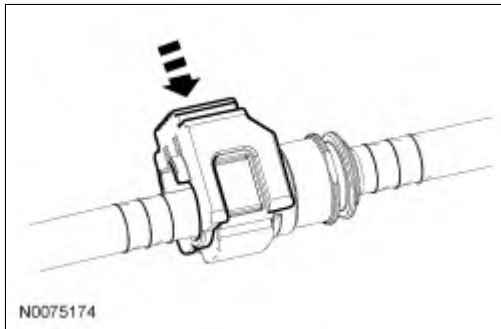
1. Install the quick connect coupling onto the tube until completely seated.



2. **NOTICE:** Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

NOTE: Make sure the coupling is completely seated and locked onto the tube by pulling on the quick connect coupling.

Apply the secondary latch into the locked position.



3. Connect the battery ground cable. For additional information, refer to [Section 414-01](#).

Disconnect — Type II



WARNING: Always disconnect the battery ground cable at the battery when working on an evaporative emission (EVAP) system or fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.



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WARNING: Before working on or disconnecting any of the fuel tubes or fuel system components, relieve the fuel system pressure to prevent accidental spraying of fuel. Fuel in the fuel system remains under high pressure, even when the engine is not running. Failure to follow this instruction may result in serious personal injury.



WARNING: Do not carry personal electronic devices such as cell phones, pagers or audio equipment of any type when working on or near any fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.



WARNING: When handling fuel, always observe fuel handling precautions and be prepared in the event of fuel spillage. Spilled fuel may be ignited by hot vehicle components or other ignition sources. Failure to follow these instructions may result in serious personal injury.

NOTICE: Fuel injection equipment is manufactured to very precise tolerances and fine clearances. It is essential that absolute cleanliness is observed when working with these components or component damage may occur. Always install plugs to any open orifices or tubes.

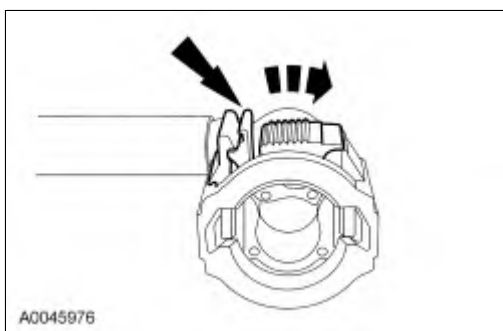
NOTICE: When reusing liquid or vapor tube connectors, make sure to use compressed air to remove

any foreign material from the connector retaining clip area before separating from the tube or damage to the tube or connector retaining clip may occur.

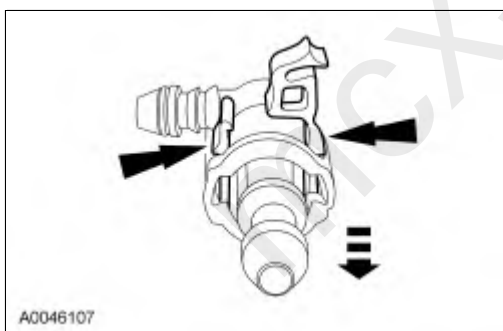
NOTE: During the repair or replacement of fuel-related components, all fuel liquid and fuel vapor openings must be capped, taped or otherwise appropriately protected to prevent the ingress of dirt or other contamination. All caps, tape and other protective materials must be removed prior to installation.

1. If servicing a liquid fuel tube, release the fuel system pressure. For additional information, refer to [Fuel System Pressure Release](#) in this section.
2. Disconnect the battery ground cable. For additional information, refer to [Section 414-01](#).
3. **NOTICE: Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.**

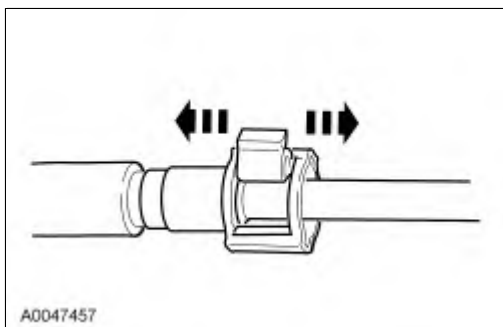
Unclip the locking tab.



4. Depress the tabs and press the clip downward.



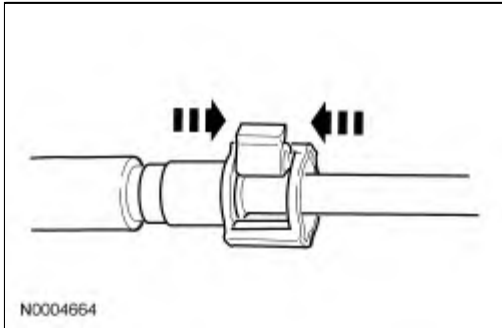
5. Separate the quick connect coupling.



Connect — Type II

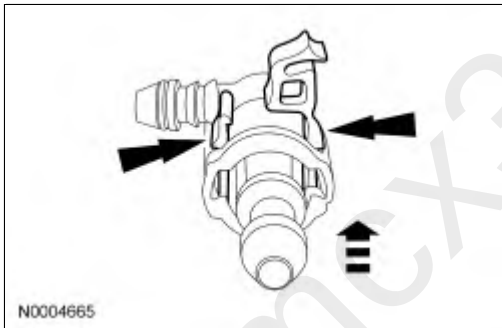
1. Inspect and clean both quick connect coupling ends.
2. **NOTE:** Make sure the fuel tube clicks into place when installing the tube. To make sure that the fuel tube is fully seated, pull on the tube.

Connect the tube into the quick connect coupling.

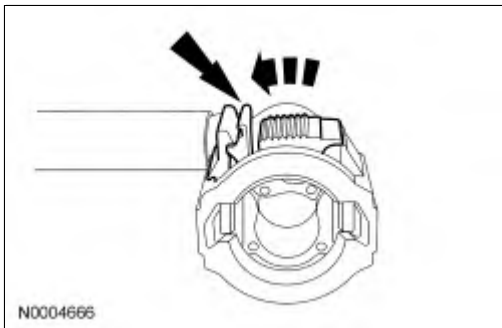


3. **NOTICE:** Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

Push the clip up into the quick connect coupling. Pull on the tube to make sure it is seated correctly.



4. Clip the locking tab into place.



5. Connect the battery ground cable. For additional information, refer to [Section 414-01](#).

Disconnect — Type III

⚠ WARNING: Do not smoke, carry lighted tobacco or have an open flame of any type when working on or near any fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.

⚠ WARNING: Do not carry personal electronic devices such as cell phones, pagers or audio equipment of any type when working on or near any fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.

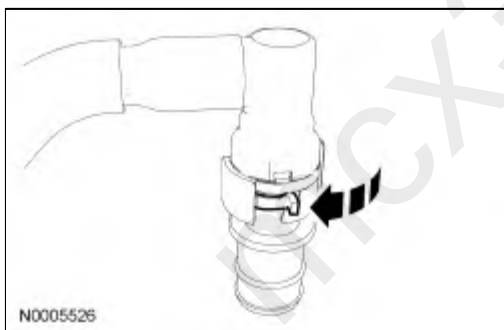
⚠ WARNING: Always disconnect the battery ground cable at the battery when working on an evaporative emission (EVAP) system or fuel-related component. Highly flammable mixtures are always present and may be ignited. Failure to follow these instructions may result in serious personal injury.

NOTICE: When reusing liquid or vapor tube connectors, make sure to use compressed air to remove any foreign material from the connector retaining clip area before separating from the tube or damage to the tube or connector retaining clip may occur.

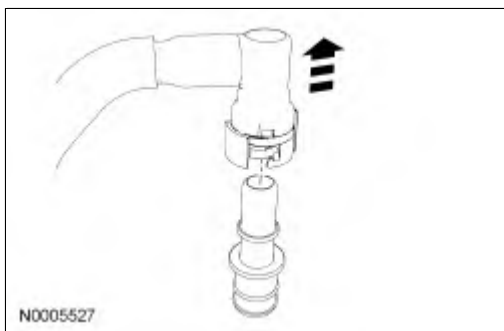
NOTE: During the repair or replacement of fuel-related components, all fuel liquid and fuel vapor openings must be capped, taped or otherwise appropriately protected to prevent the ingress of dirt or other contamination. All caps, tape and other protective materials must be removed prior to installation.

1. **NOTICE:** Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

Release the locking tab on the quick connect coupling.



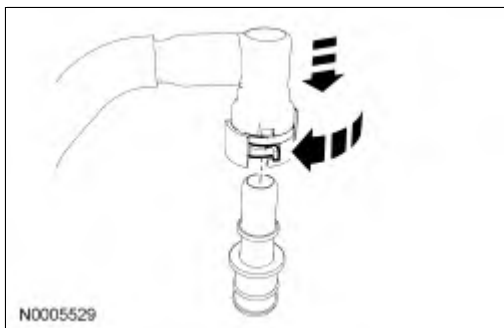
2. Separate the quick connect coupling from the fitting.



Connect — Type III

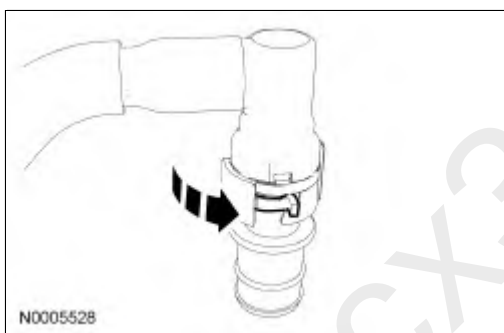
1. Inspect the quick connect coupling and the tube for damage. Remove any dirt or obstructions.
2. **NOTICE:** Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

Release the locking tab and install the quick connect coupling onto the fitting.



3. **NOTE:** Make sure the fuel tube clicks into place when installing the tube. To make sure that the fuel tube is fully seated, pull on the tube.

Position the locking tab into the latched position.



Disconnect — Type IV

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WARNING: When handling fuel, always observe fuel handling precautions and be prepared in

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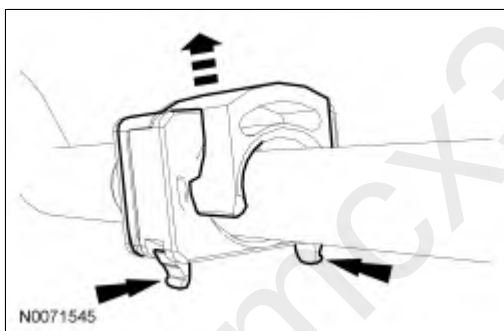
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NOTICE: When reusing liquid or vapor tube connectors, make sure to use compressed air to remove any foreign material from the connector retaining clip area before separating from the tube or damage to the tube or connector retaining clip can occur.

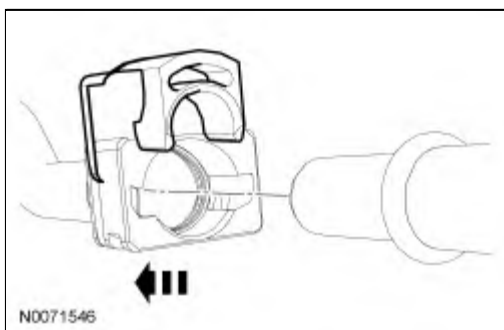
NOTICE: Fuel injection equipment is manufactured to very precise tolerances and fine clearances. It is essential that absolute cleanliness is observed when working with these components or component damage can occur. Always install blanking plugs to any open orifices or tubes.

1. If servicing a liquid fuel tube, release the fuel system pressure. For additional information refer to [Fuel System Pressure Release](#) in this section.
2. Disconnect the battery ground cable. For additional information, refer to [Section 414-01](#).
3. **NOTICE:** Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

Depress the legs of the retainer clip and position the clip to the outward position.



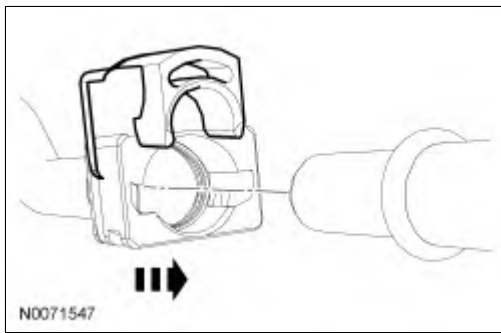
4. Disconnect the quick connect coupling from the fuel tube.



Connect — Type IV

1. Inspect and clean both quick connect coupling ends.

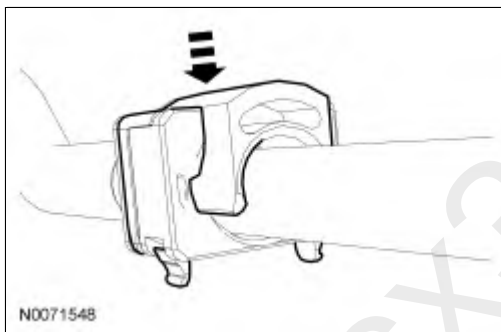
2. Install the quick connect coupling onto the fuel tube until fully seated.



3. **NOTICE:** Do not use any tools. The use of tools may cause a deformity in the clip components which may cause fuel leaks.

NOTE: Make sure the retainer clip is fully seated and locked onto the fuel tube by pulling on the quick connect coupling.

Press the retainer clip into the quick connect coupling body until flush and the legs are locked in place.



4. Connect the battery ground cable. For additional information, refer to [Section 414-01](#).

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