

Fuel Tank - Vehicles With: Midship Fuel Tank

Special Tool(s) / General Equipment

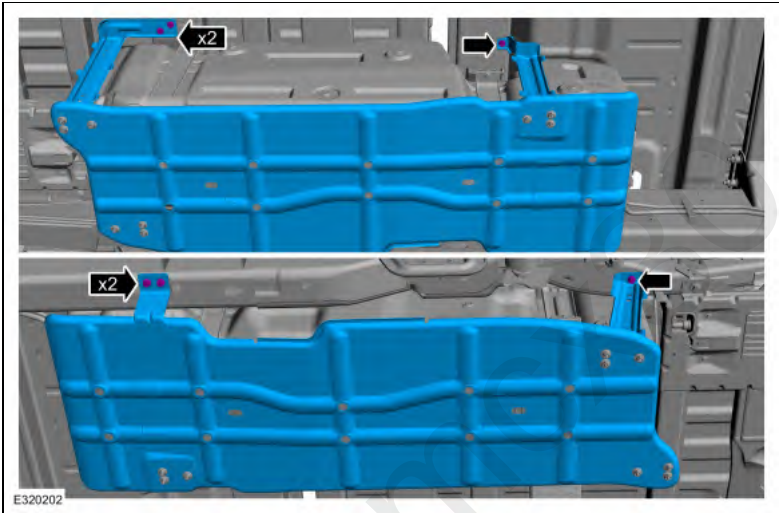
Transmission Jack

Removal

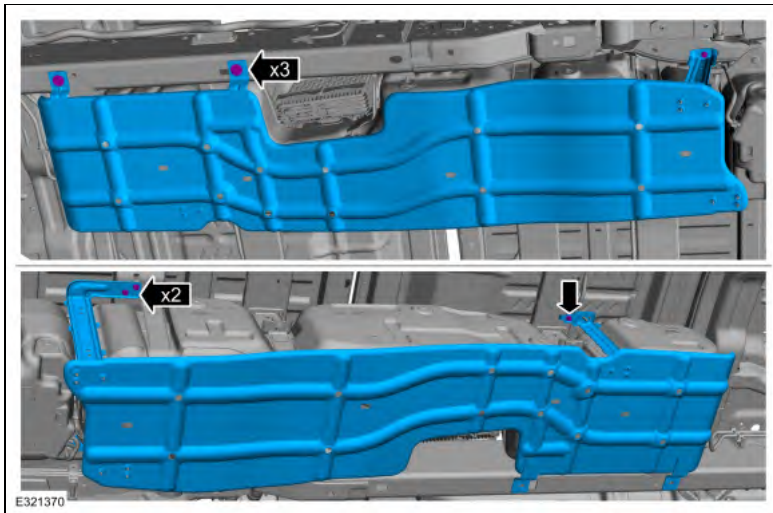
All vehicles

NOTE: Removal steps in this procedure may contain installation details.

1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
2. Release the fuel system pressure.
Refer to: Fuel System Pressure Release (310-00B Fuel System - General Information - 6.7L Power Stroke Diesel, General Procedures).
3. Disconnect the battery ground cable.
Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).
4. Drain the fuel tank.
Refer to: Fuel Tank Draining (310-00B Fuel System - General Information - 6.7L Power Stroke Diesel, General Procedures).
5. If equipped.
Remove the bolts and the skid plate.
Torque: 22 lb.ft (30 Nm)

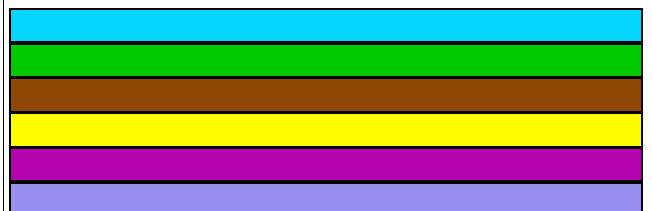
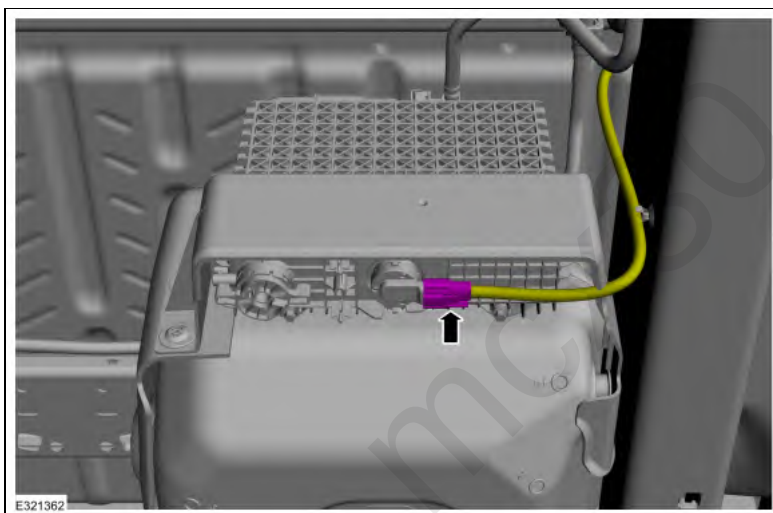


6. If equipped.
Remove the bolts and the skid plate.
Torque: 22 lb.ft (30 Nm)

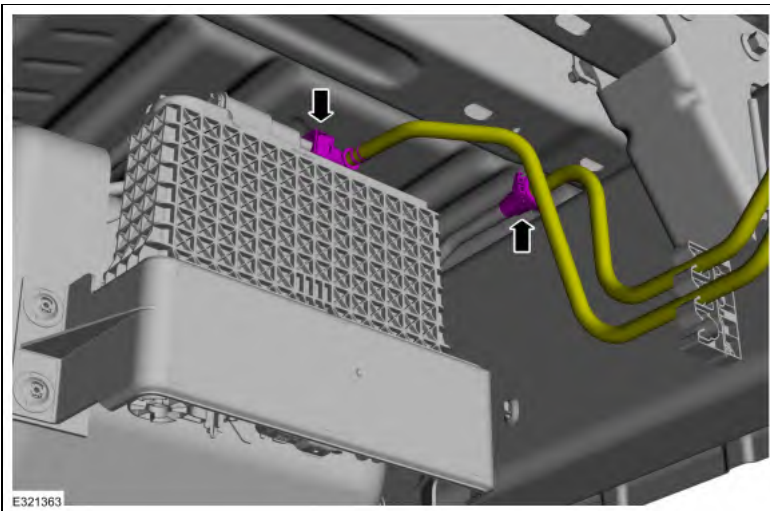


160 inch wheelbase and 142 inch wheelbase similar

7. Disconnect the electrical connector.



8. Remove the quick connectors.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information) .



9. NOTICE: Do not apply open flame to the fuel tank strap bolts, use a magnetic induction tool to heat the fuel tank strap bolts.

NOTE: Use an Induction Innovations MD-700 Mini-Ductor II Magnetic Induction Heater Kit or equivalent.

NOTE: *Adhesive is applied to threads on fuel tank strap bolts during manufacture.*

Using a magnetic induction tool, apply heat for 20 seconds to each the fuel tank strap bolt to soften the adhesive, following the tool manufacturer's instructions.

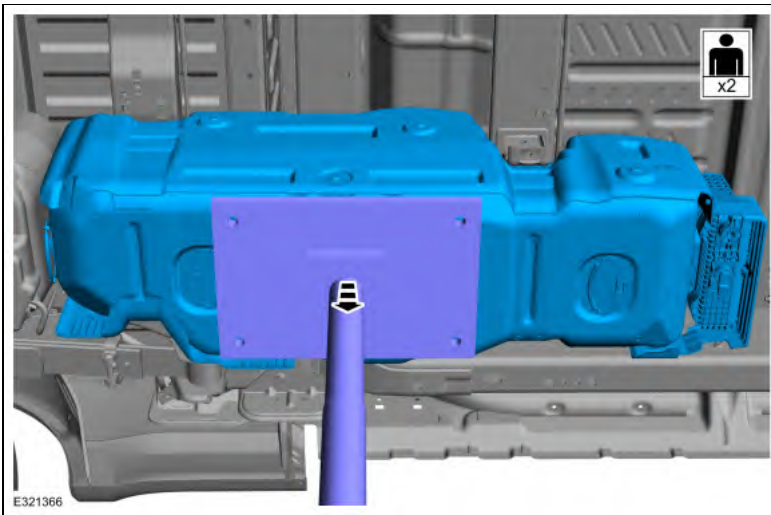


10. **NOTE:** *New bolts must be installed.*

Using a suitable lifting and lowering tool, support the fuel tank. Heat the fuel tank strap bolts one at a time using a magnetic induction tool. Remove and discard the fuel tank strap bolts using hand tools. Partially lower the fuel tank for access.

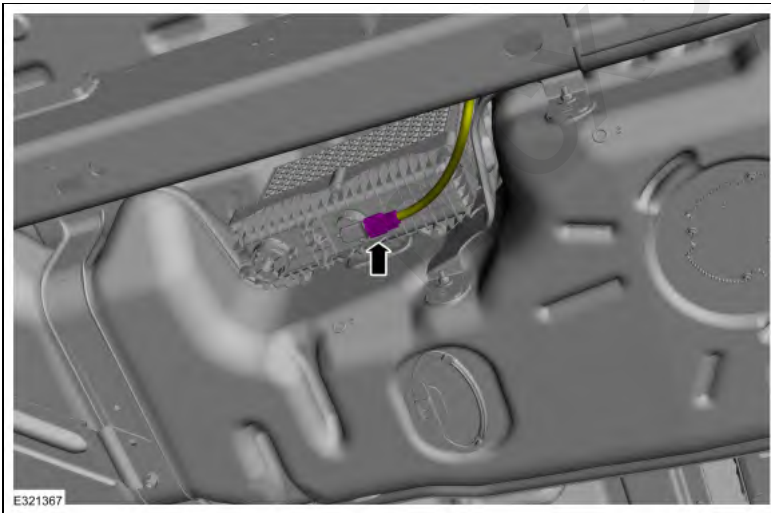
Use the General Equipment: Transmission Jack

Torque: 30 lb.ft (40 Nm)

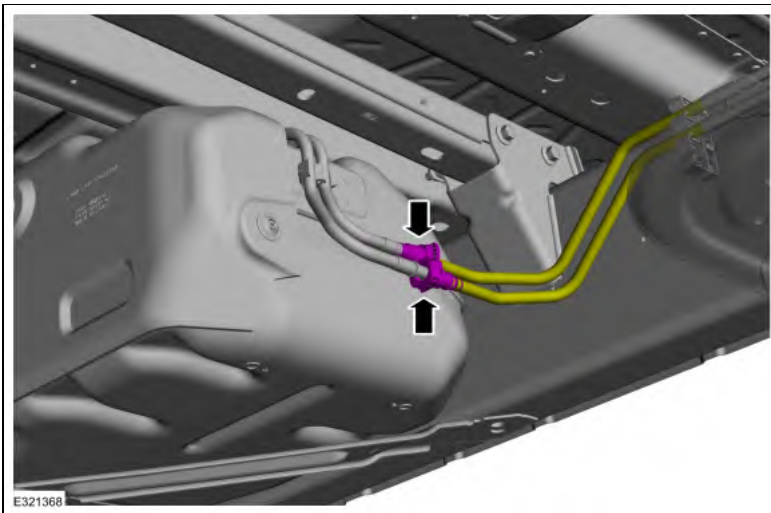


175 inch wheelbase

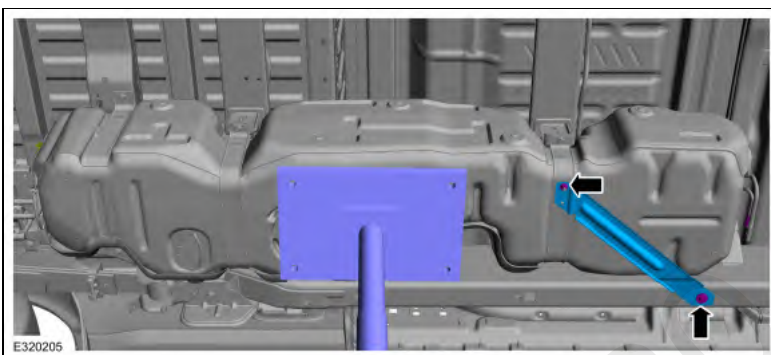
- 13. Disconnect the electrical connector.



- 14. Disconnect the quick connectors.
Refer to: Quick Release Coupling (310-00 Fuel System - General Information) .



15. Remove the fuel tank supporting strap bolts.
 Use the General Equipment: Transmission Jack
Torque:
 Stage 1: Bolt: 59 lb.ft (80 Nm)
 Stage 2: Nut: 22 lb.ft (30 Nm)



16. **NOTICE: Do not apply open flame to the fuel tank strap bolts, use a magnetic induction tool to heat the fuel tank strap bolts.**

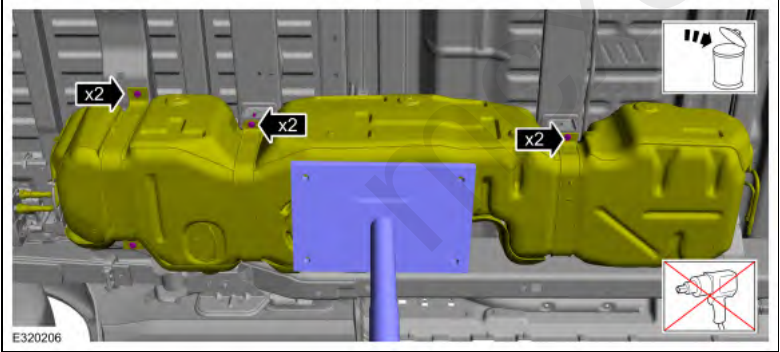
NOTE: Use an Induction Innovations MD-700 Mini-Ductor II Magnetic Induction Heater Kit or equivalent.

NOTE: Adhesive is applied to threads on fuel tank strap bolts during manufacture.

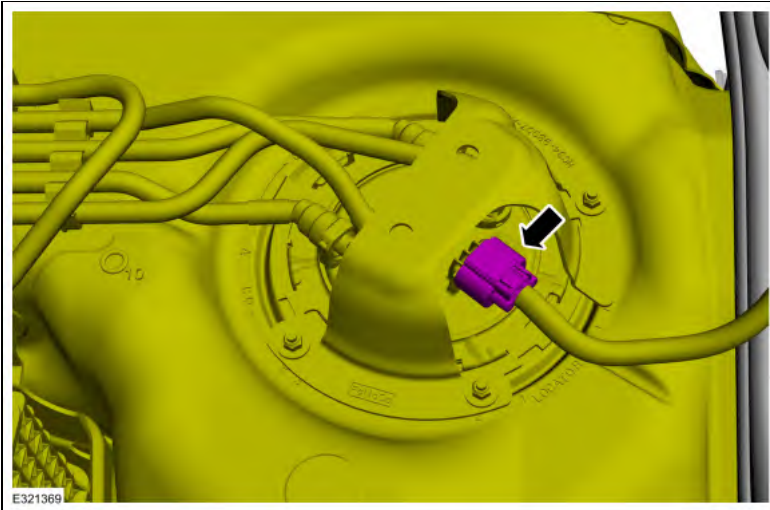
Using a magnetic induction tool, apply heat for 20 seconds to each the fuel tank strap bolt to soften the adhesive, following the tool manufacturer's instructions.



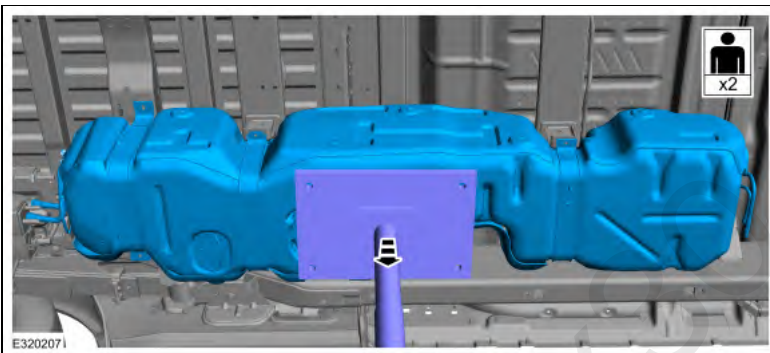
17. **NOTE:** *New bolts must be installed.*
- Using a suitable lifting and lowering tool, support the fuel tank. Heat the fuel tank strap bolts one at a time using a magnetic induction tool. Remove and discard the fuel tank strap bolts using hand tools. Partially lower the fuel tank for access.
- Use the General Equipment: Transmission Jack
- Torque: 30 lb.ft (40 Nm)*



18. Disconnect the electrical connector.

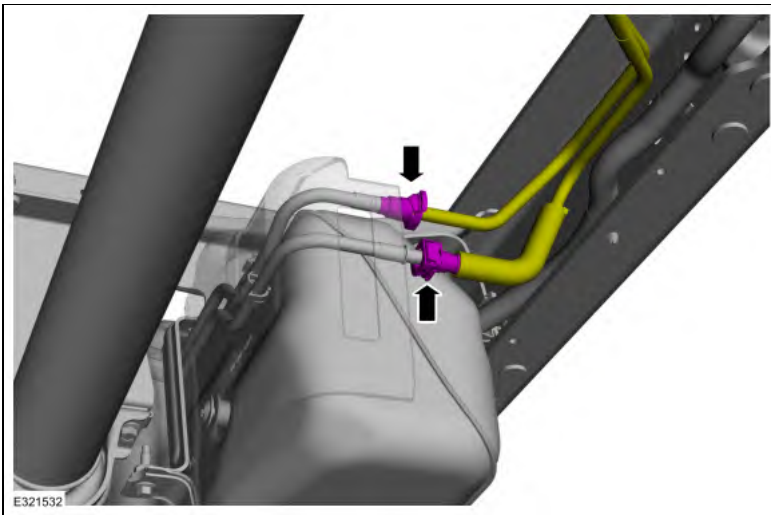


19. **NOTE:** *An assistant is necessary for the support and removal of the fuel tank.*
- Remove the fuel tank.

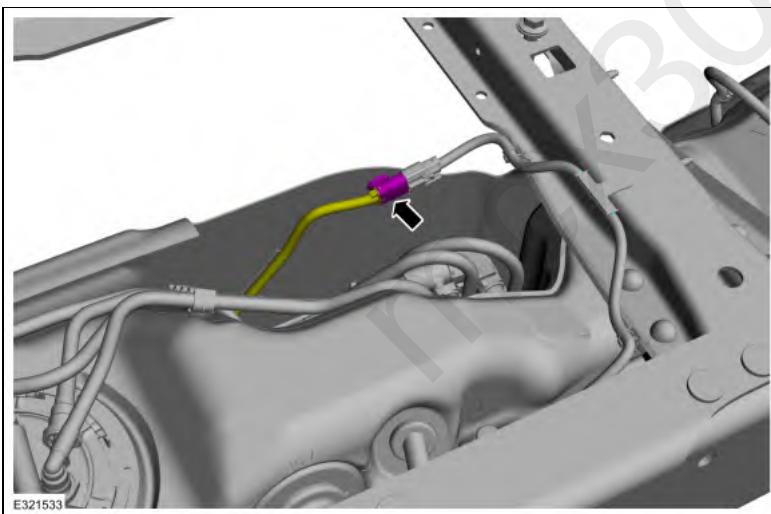


168 - 193 - 179 inch wheelbases

20. Remove the quick connectors.
 Refer to: Quick Release Coupling (310-00 Fuel System - General Information) .



21. Disconnect the electrical connector.



22. **NOTICE: Do not apply open flame to the fuel tank strap bolts, use a magnetic induction tool to heat the fuel tank strap bolts.**

NOTE: Use an Induction Innovations MD-700 Mini-Ductor II Magnetic Induction Heater Kit or equivalent.

NOTE: Adhesive is applied to threads on fuel tank strap bolts during manufacture.

Using a magnetic induction tool, apply heat for 20 seconds to each the fuel tank strap bolt to soften the adhesive, following the tool manufacturer's instructions.

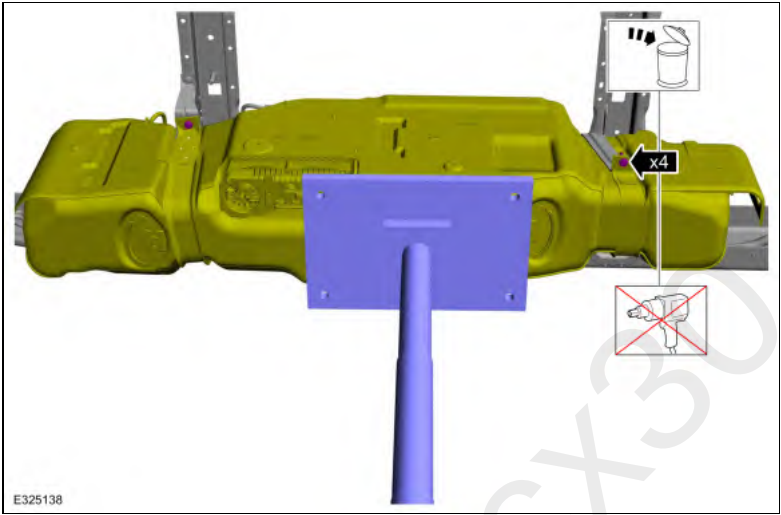


23. **NOTE:** *New bolts must be installed.*

Using a suitable lifting and lowering tool, support the fuel tank. Heat the fuel tank strap bolts one at a time using a magnetic induction tool. Remove and discard the fuel tank strap bolts using hand tools. Partially lower the fuel tank for access.

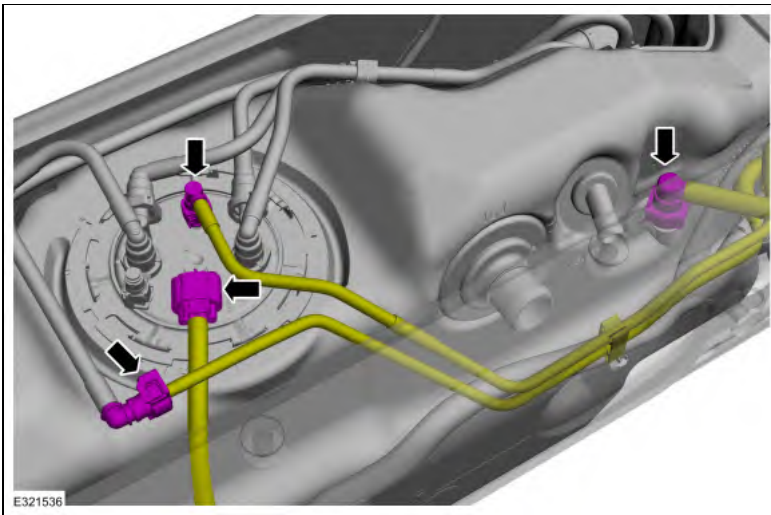
Use the General Equipment: Transmission Jack

Torque: 30 lb.ft (40 Nm)



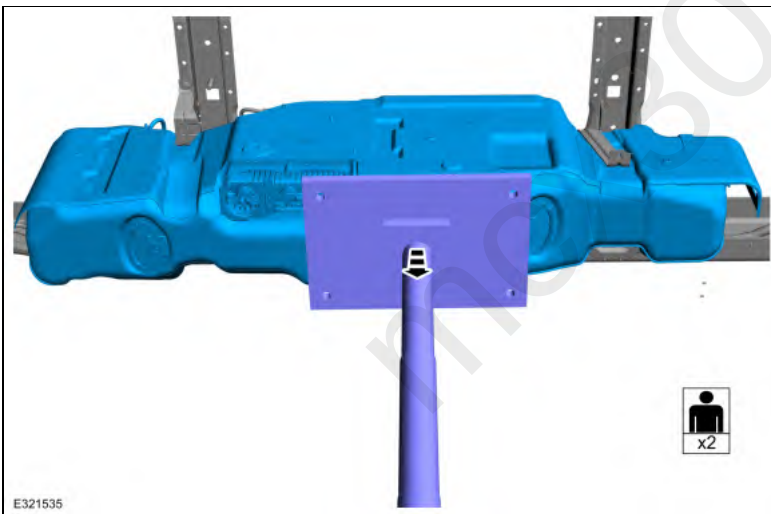
24. Disconnect the electrical connector and quick connectors from the fuel tank.

Refer to: Quick Release Coupling (310-00 Fuel System - General Information) .



25. **NOTE:** An assistant is necessary for the support and removal of the fuel tank.

Remove the fuel tank.



Installation

1. To install, reverse the removal procedure.

