

## 501-14 Handles, Locks, Latches and Entry Systems Removal and Installation

2021 F-150

Procedure revision date: 02/10/2023

### Front Door Latch

#### Special Tool(s) / General Equipment

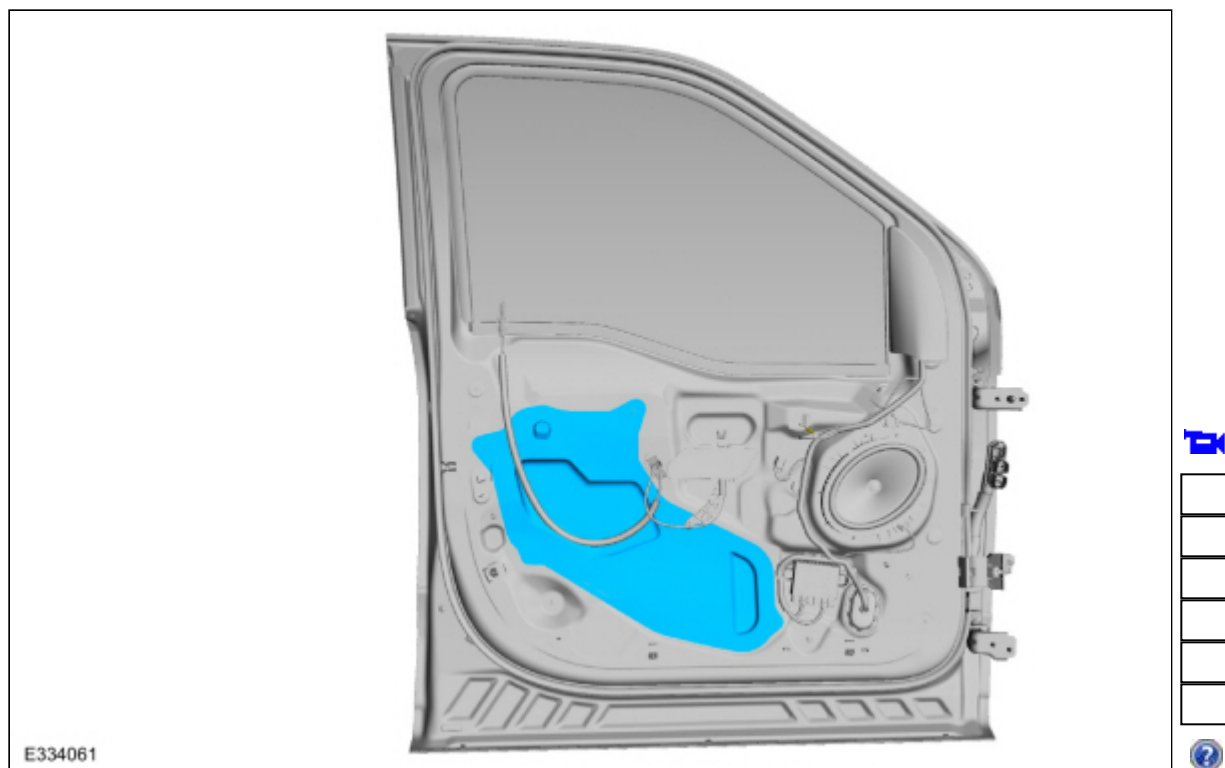
Interior Trim Remover

#### Removal

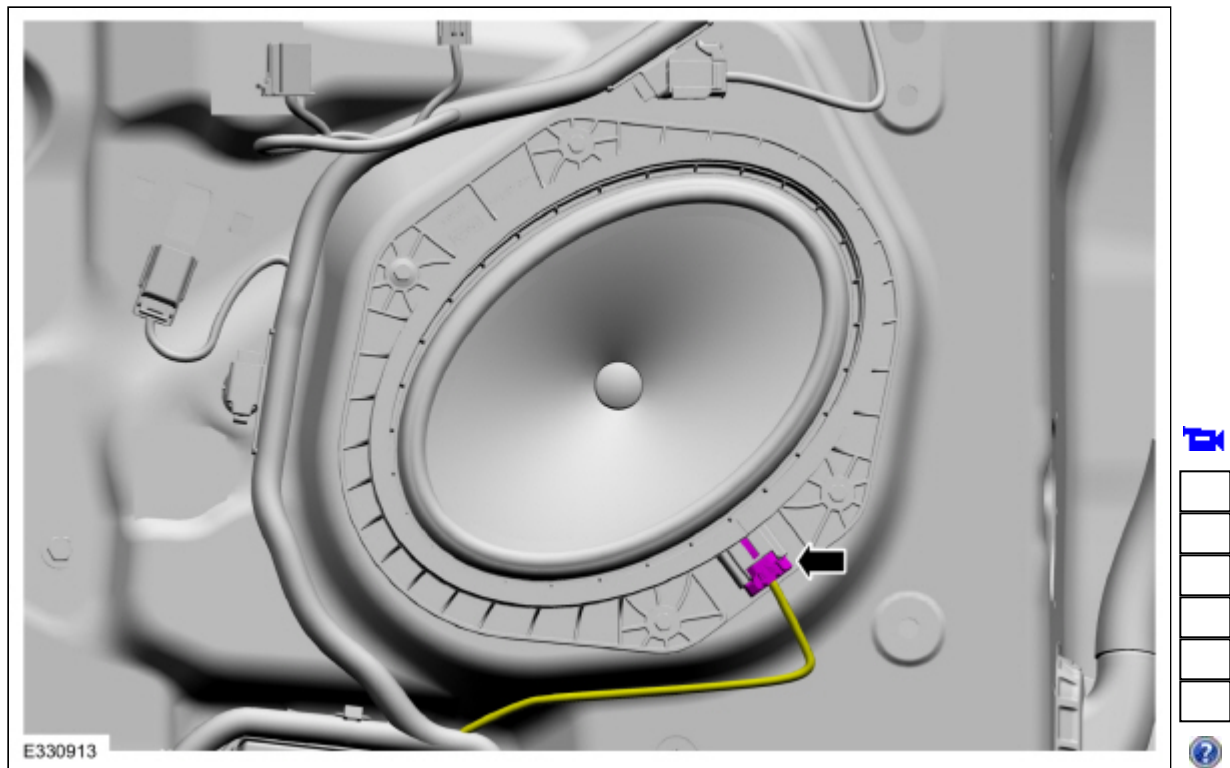
**NOTE:** Left hand (LH) shown, right hand (RH) similar.

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

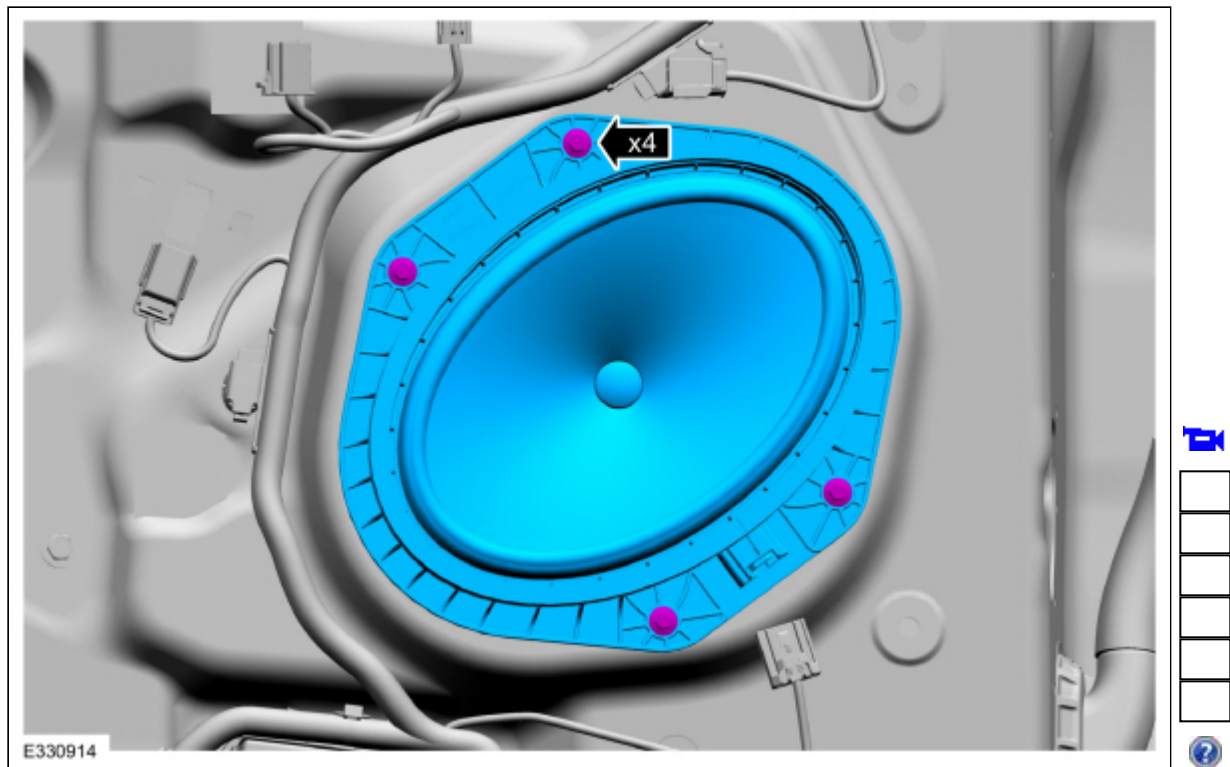
1. Remove the front door trim panel.  
Refer to: [Front Door Trim Panel](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).
2. Remove the exterior front door handle.  
Refer to: [Exterior Front Door Handle](#) (501-14 Handles, Locks, Latches and Entry Systems, Removal and Installation).
3. If equipped.  
Remove the front door lock cylinder.  
Refer to: [Door Lock Cylinder](#) (501-14 Handles, Locks, Latches and Entry Systems, Removal and Installation).
4. Remove the front door watershield.



5. Disconnect the front door speaker electrical connector.



6. Remove the screws and the front door speaker.  
*Torque: 13 lb.in (1.5 Nm)*



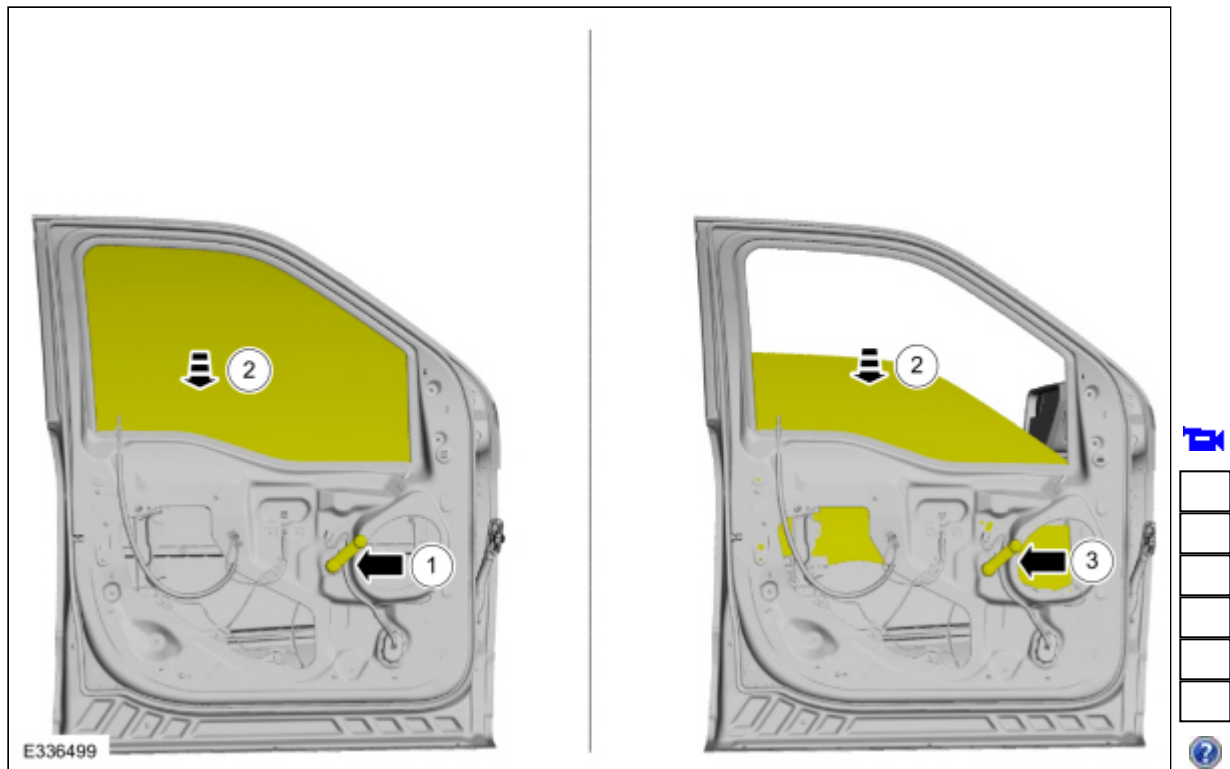
#### Vehicles with manual windows

7. **NOTE:** For non-functional front door window regulators with the window in the 40 mm open to full closed position, cut the front door window regulator cables to allow window movement.

Lower the front door window glass to the half down position.

1. Partially install the front door window regulator handle.

2. Lower the front door window glass to the half down position.
3. Remove the front door window regulator handle.

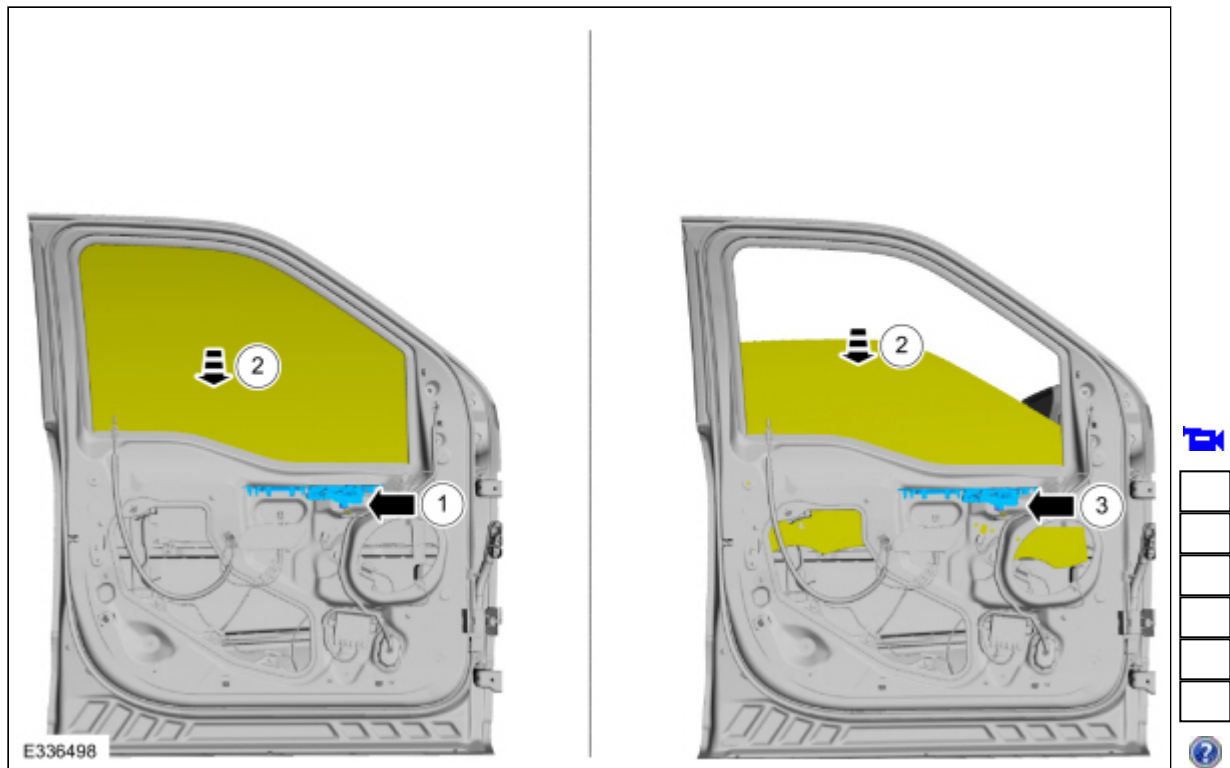


#### Vehicles with power windows

8. **NOTE:** For non-functional front door window regulators and motors with the window in the 40 mm open to full closed position, cut the front door window regulator cables to allow window movement.

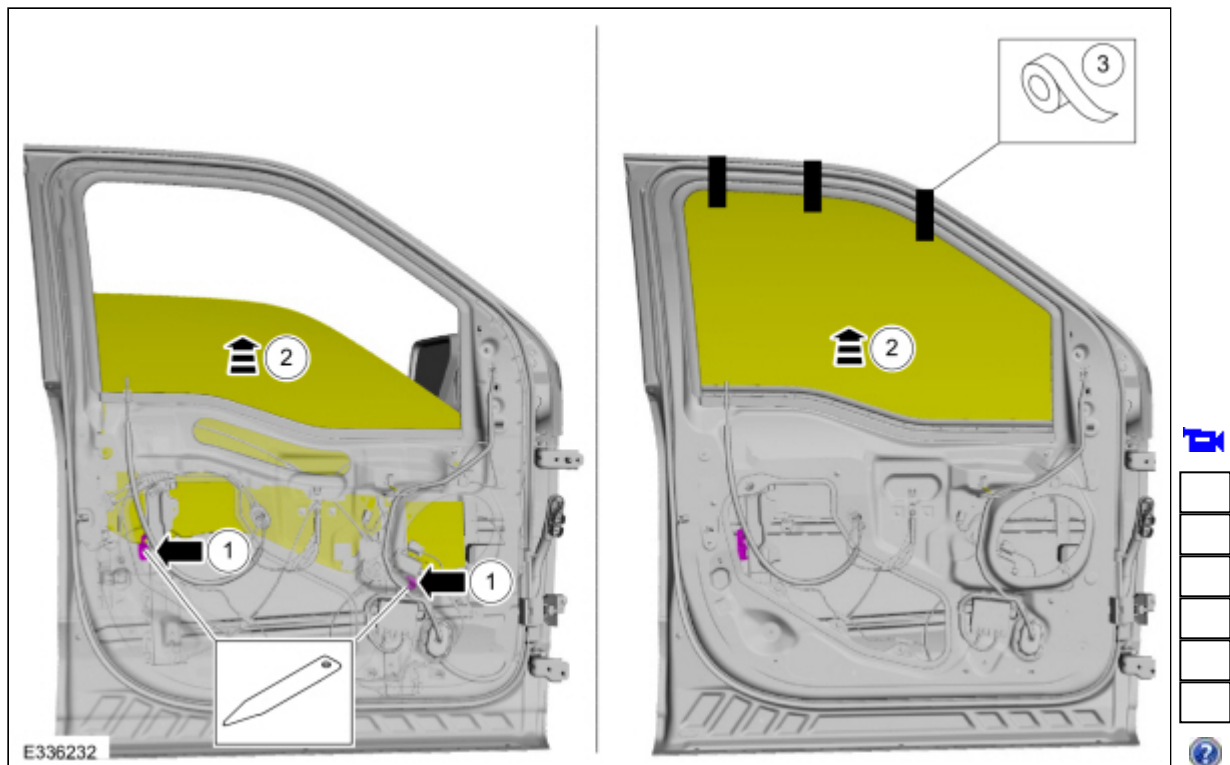
Lower the front door window glass to the half down position.

1. Connect the front door window control switch.
2. Lower the front door window glass to the half down position.
3. Remove the front door window control switch.

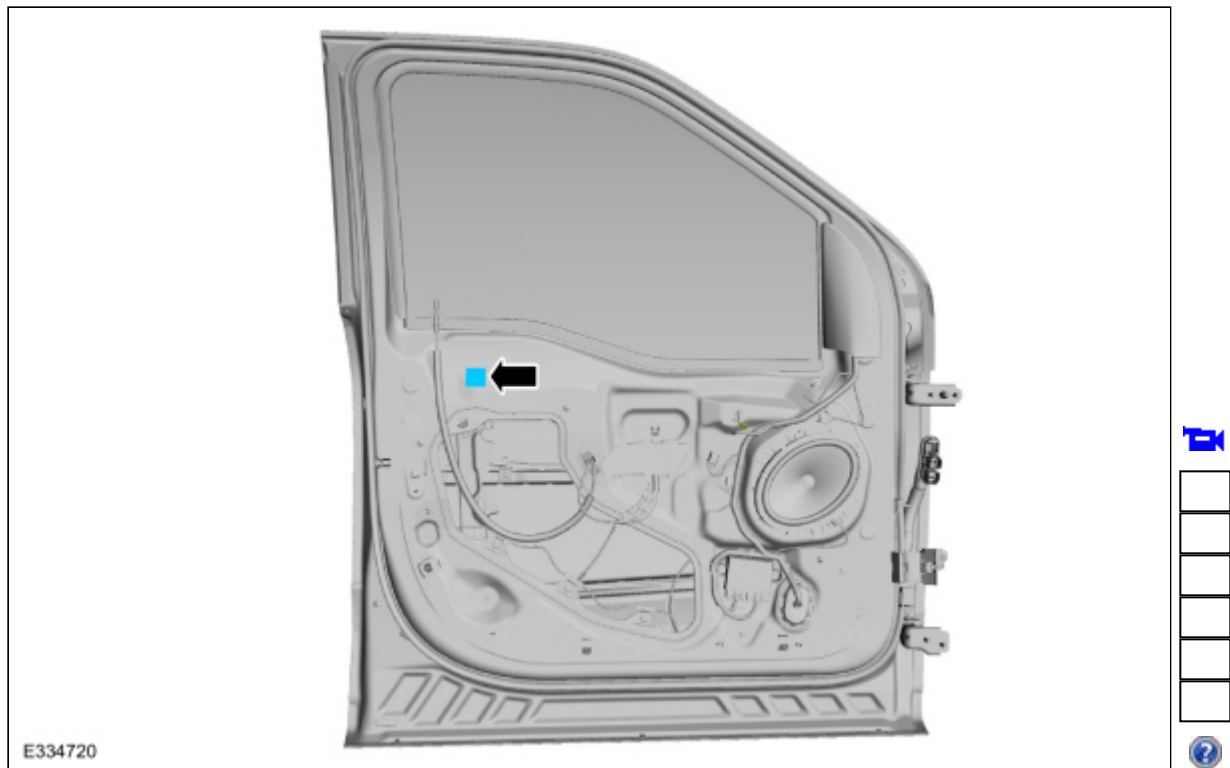


### All vehicles

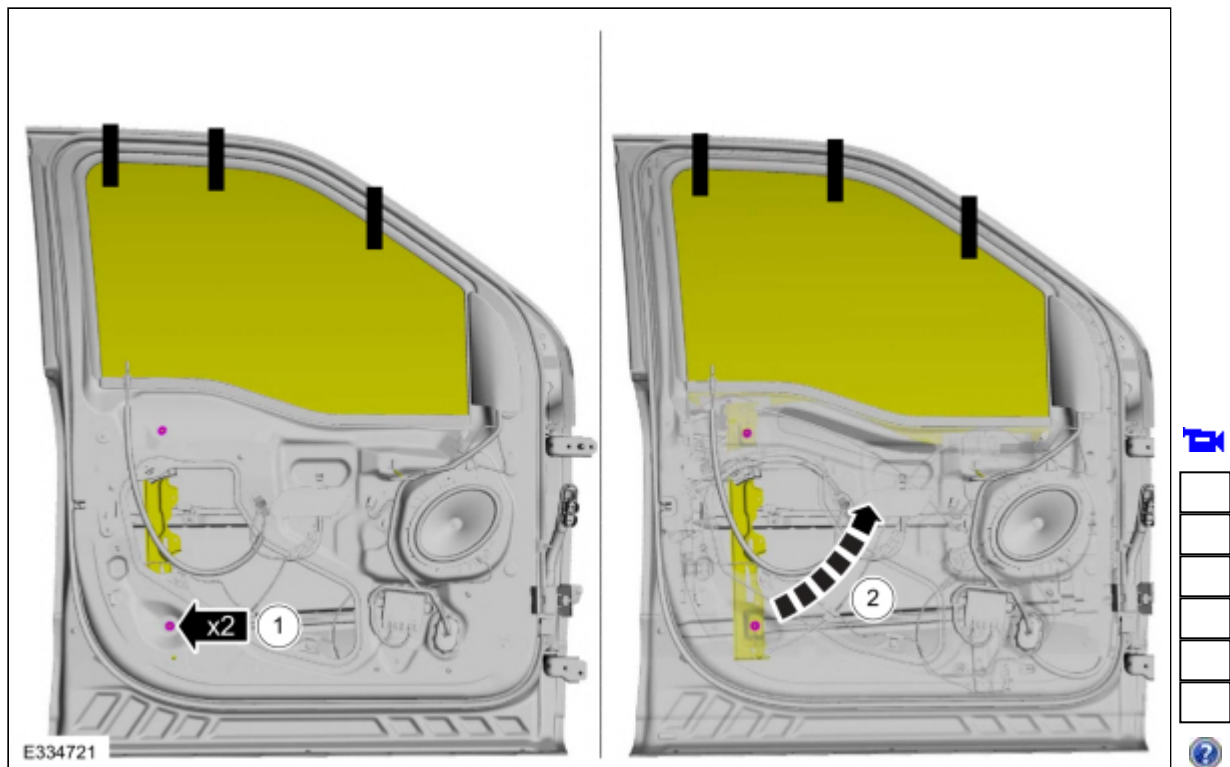
9.
  1. Release the front door window glass retaining clips.  
Use the General Equipment: Interior Trim Remover
  2. Raise the front door window glass.
  3. Tape the front door window glass in place.



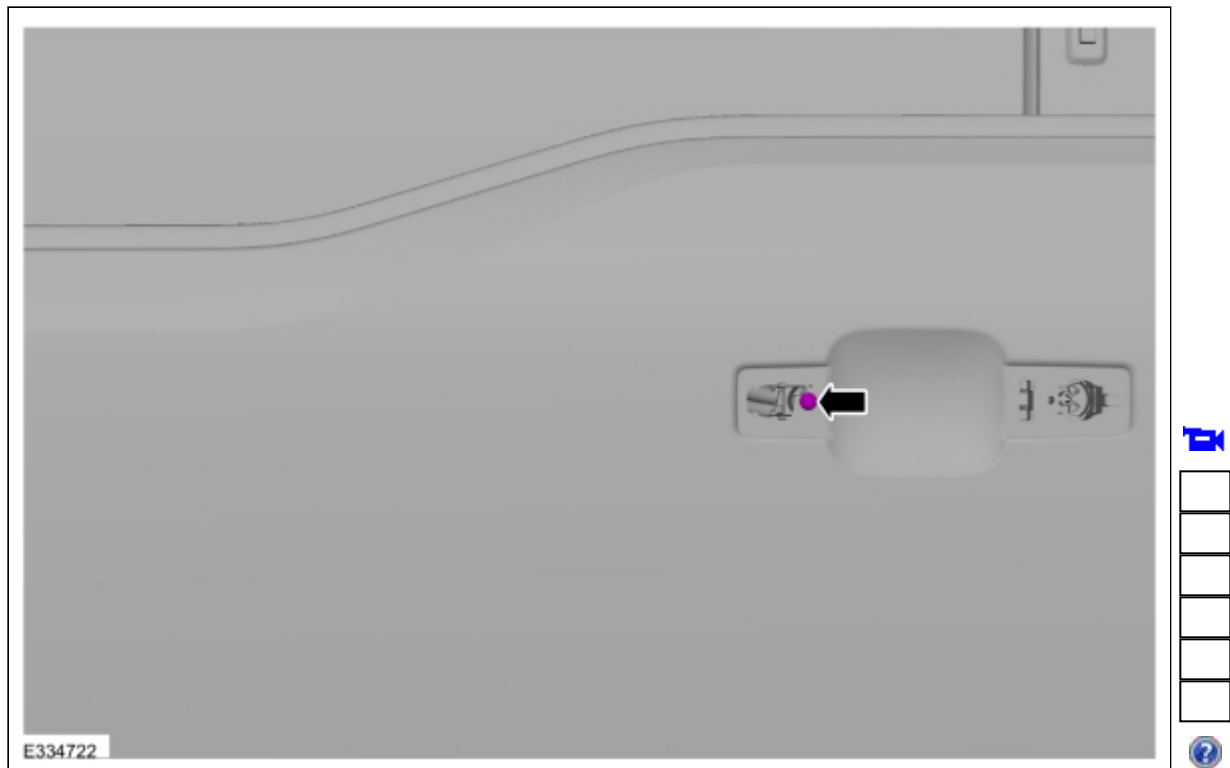
10. Remove the front door window regulator adhesive cover.



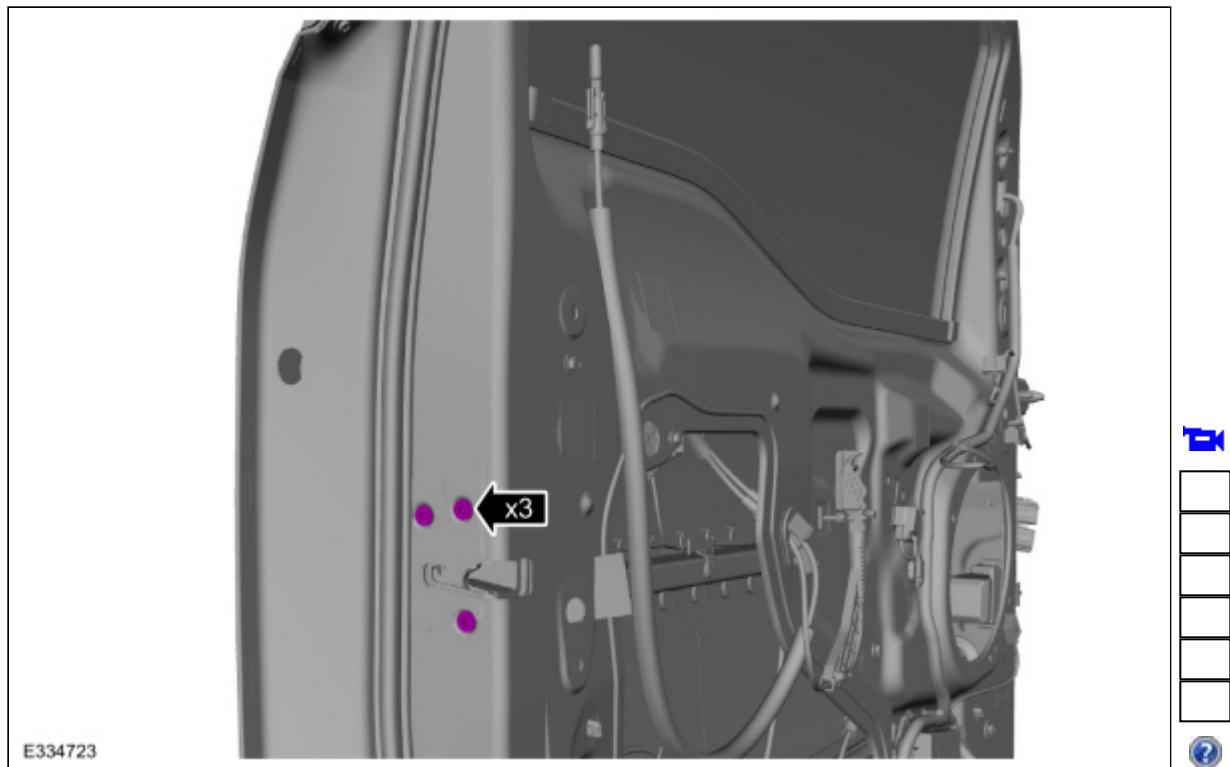
11. Position the front door window regulator aside.
1. Remove the window regulator nuts.  
*Torque: 93 lb.in (10.5 Nm)*
  2. Position the front door window regulator aside.



12. Remove the screw from the exterior front door handle reinforcement.  
*Torque: 62 lb.in (7 Nm)*



13. Remove the front door latch bolts.  
*Torque: 71 lb.in (8 Nm)*



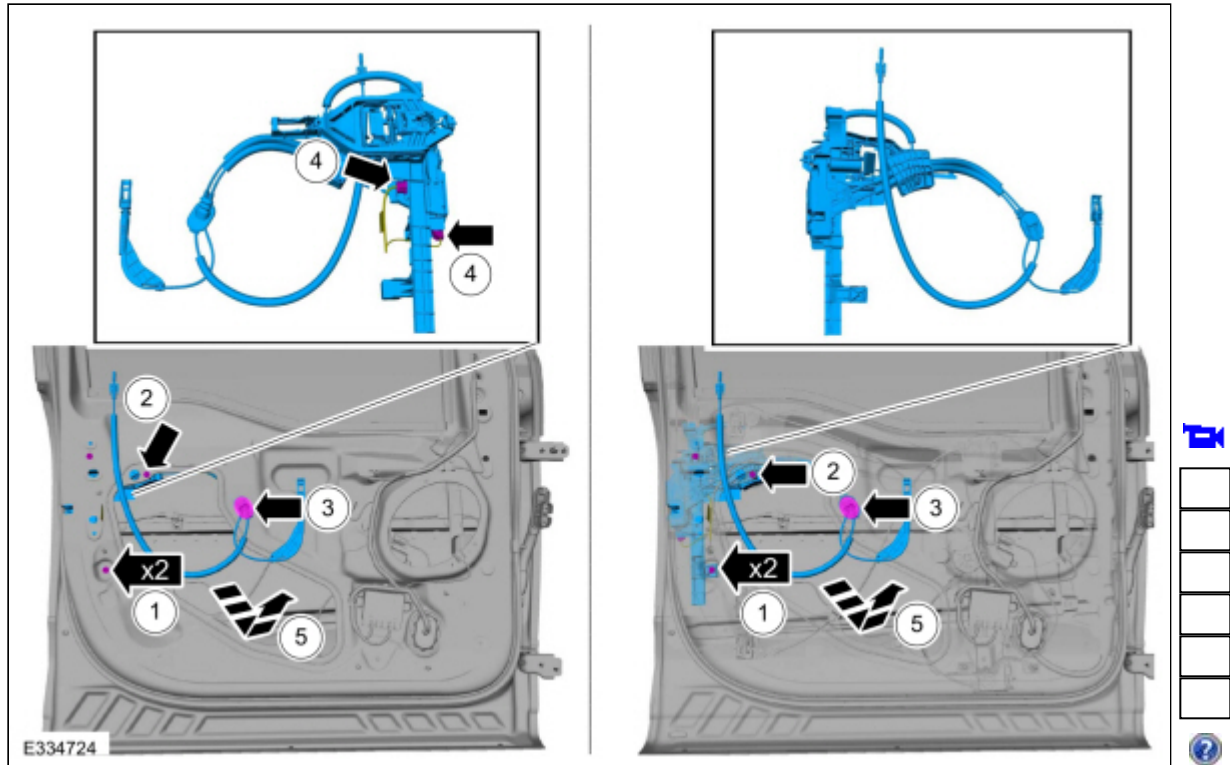
14. **NOTE:** *The front door is shown transparent for clarity.*

Remove the front door latch.

1. Remove the front door glass run and bracket bolts.  
*Torque: 22 lb.in (2.5 Nm)*
2. Remove the interior front door handle cable routing bracket bolt.  
*Torque: 22 lb.in (2.5 Nm)*



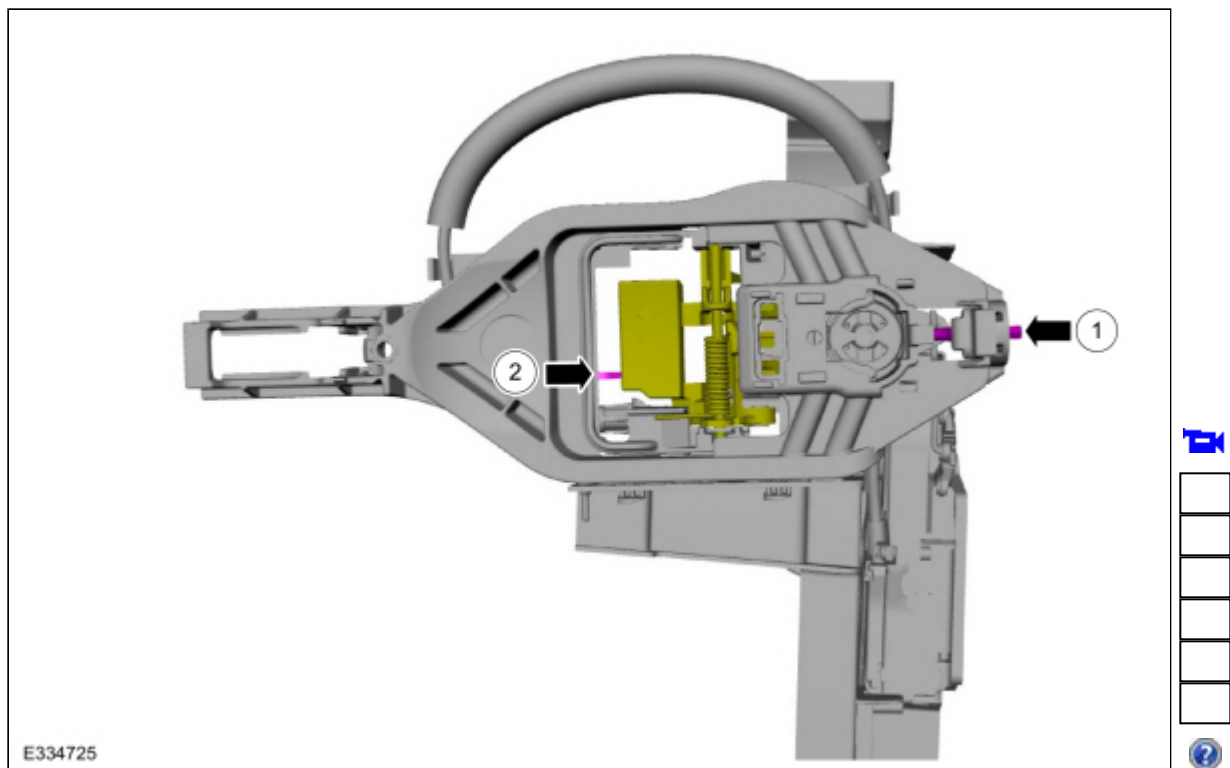
3. Route the interior front door handle and lock indicator cable through the inner door.
4. Disconnect the front door latch electrical connectors.
5. Remove the front door latch.



15. **NOTE:** This step is only necessary when installing a new component.

Release the cable tension by turning the release screw until the handle lever releases from the stop.

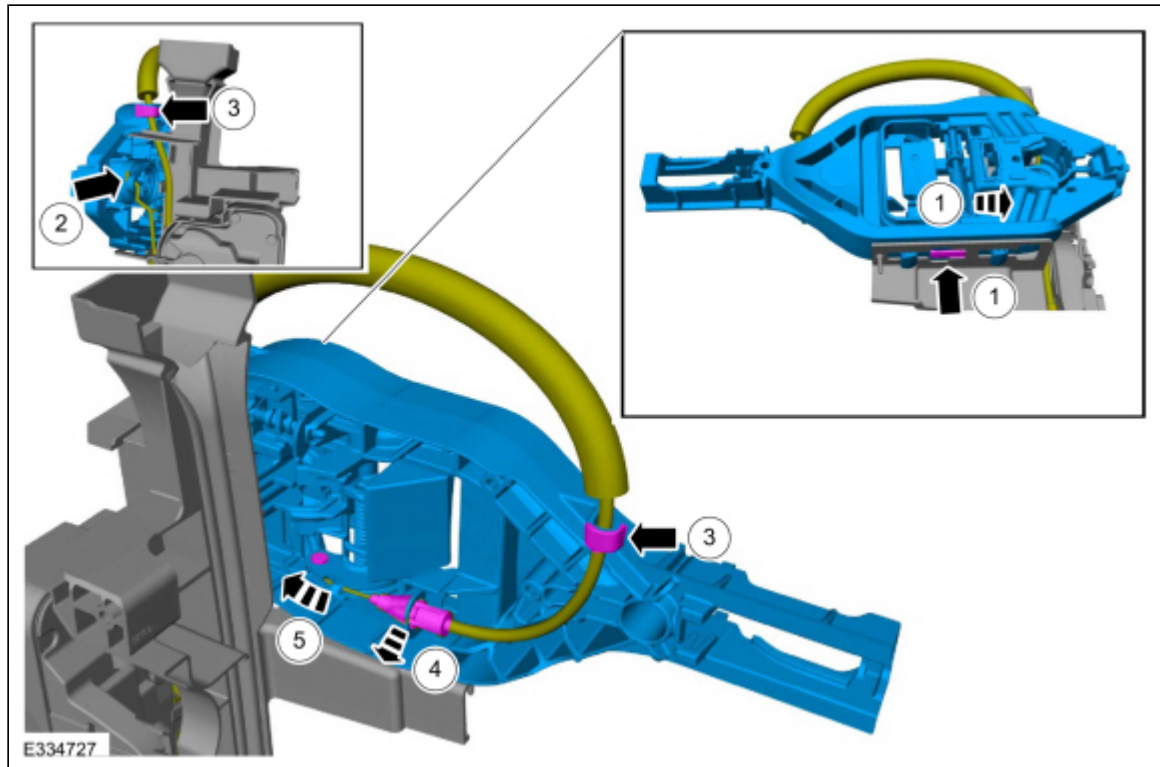
1. Turn the release screw until the handle lever releases from the stop.
2. Release the handle lever from the stop.



16. **NOTE:** This step is only necessary when installing a new component.

Remove the exterior front door handle reinforcement.

1. Press the locking tab down and detach the exterior front door handle reinforcement.
2. If equipped.  
Disconnect the door lock cylinder rod.
3. Remove the cable from the routing clips.
4. Detach the cable from the exterior front door handle reinforcement mounting bracket.
5. Remove the cable eyelet from the lever.

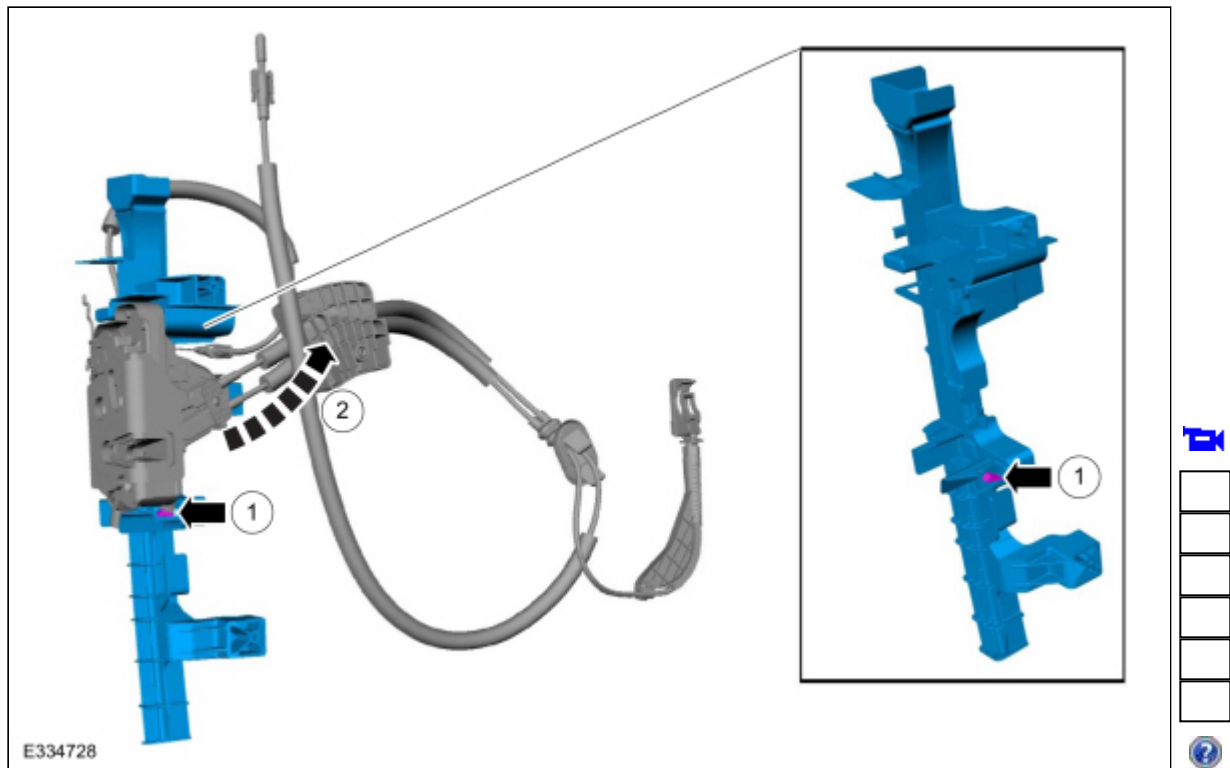


17. **NOTE:** This step is only necessary when installing a new component.

Remove the front door glass run and bracket.

1. Release the retaining tab on the front door glass run and bracket.
2. Remove the front door glass run and bracket.

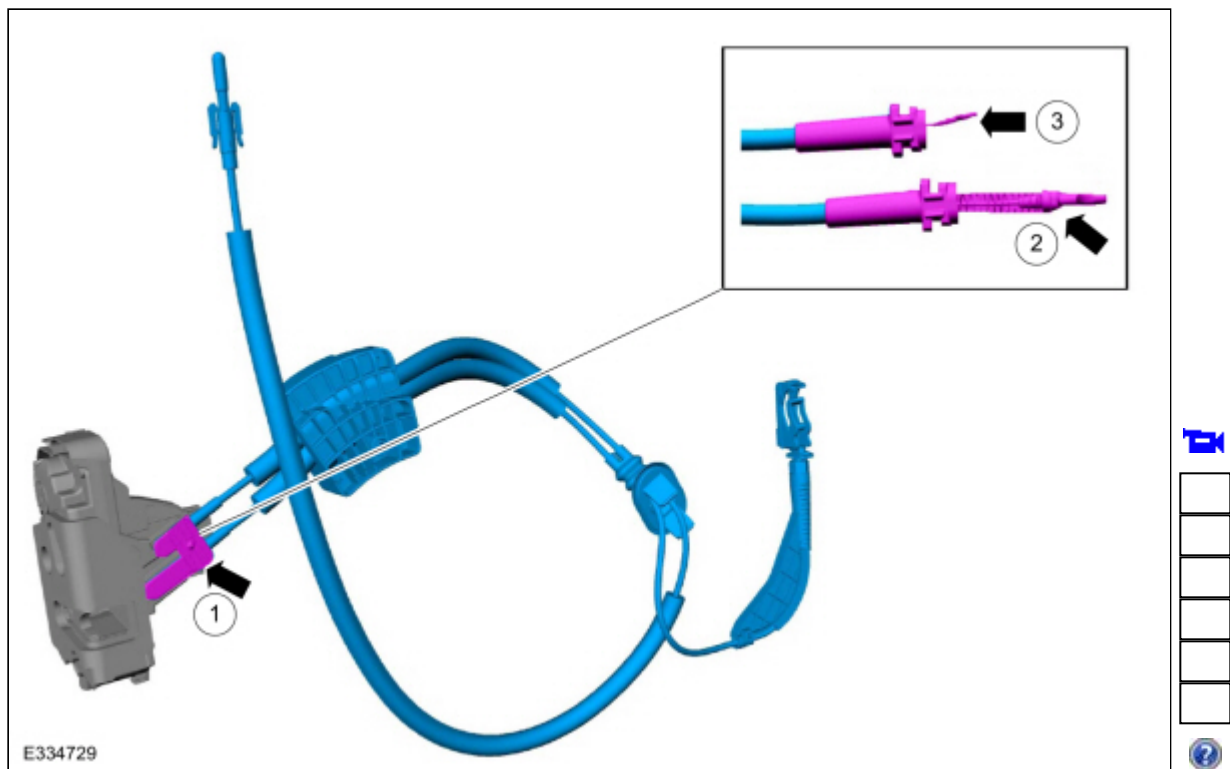




18. **NOTE:** This step is only necessary when installing a new component.

Remove the interior front door handle cable and front door latch lock indicator cable.

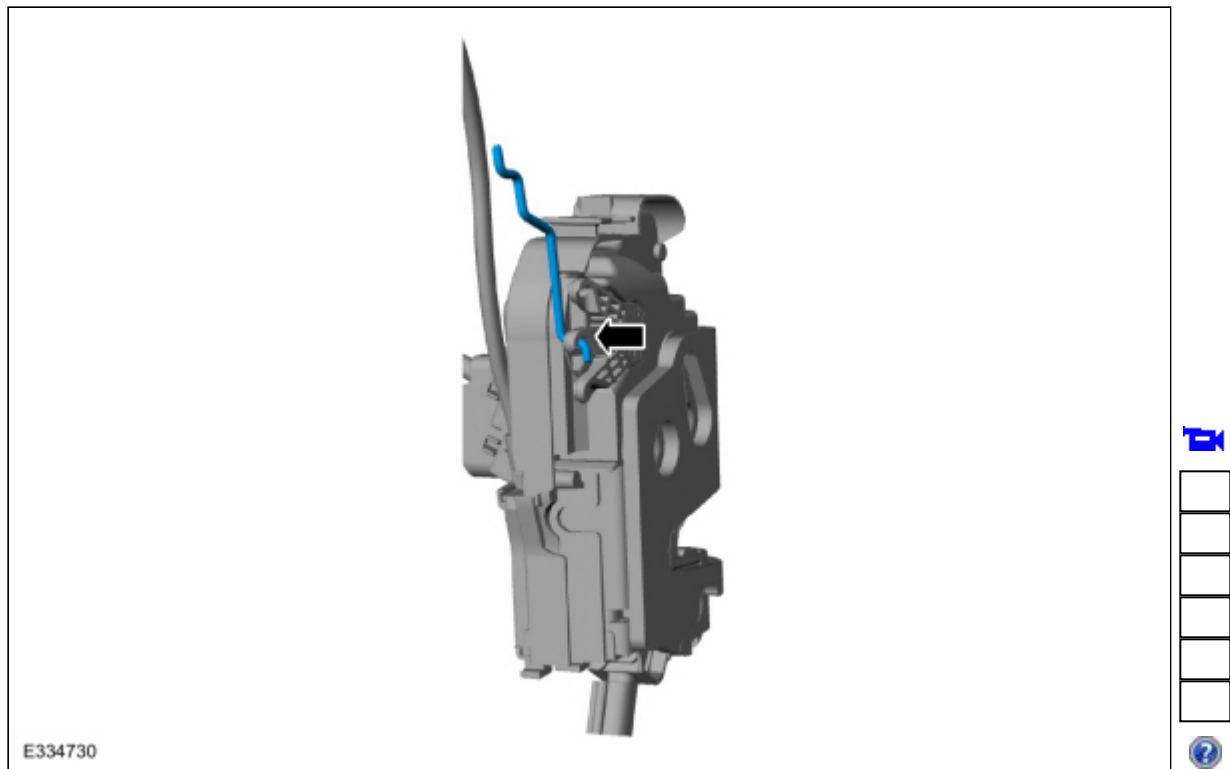
1. Remove the screw, the front door latch lock indicator cable and interior front door handle cable access cover.
2. Remove the front door latch lock indicator cable.
3. Remove the interior front door handle cable.



19. **NOTE:** This step is only necessary when installing a new component.

If equipped.

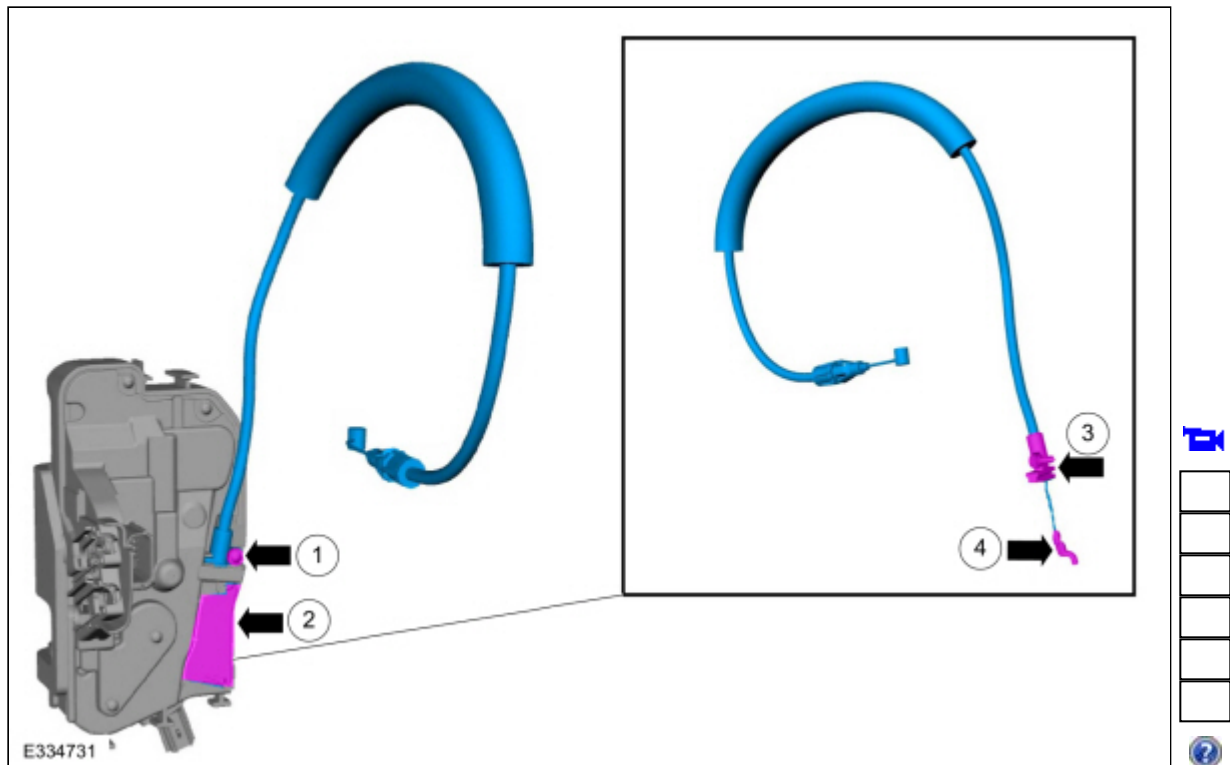
Remove the front door latch lock cylinder control rod.



20. **NOTE:** This step is only necessary when installing a new component.

Remove the exterior front door handle reinforcement to front door latch cable.

1. Remove the exterior front door handle reinforcement to front door latch cable access cover screw.
2. Remove the exterior front door handle reinforcement to front door latch cable access cover.
3. Remove the exterior front door handle reinforcement to front door latch cable from the mounting bracket.
4. Remove the exterior front door handle reinforcement to front door latch cable end.



## Installation

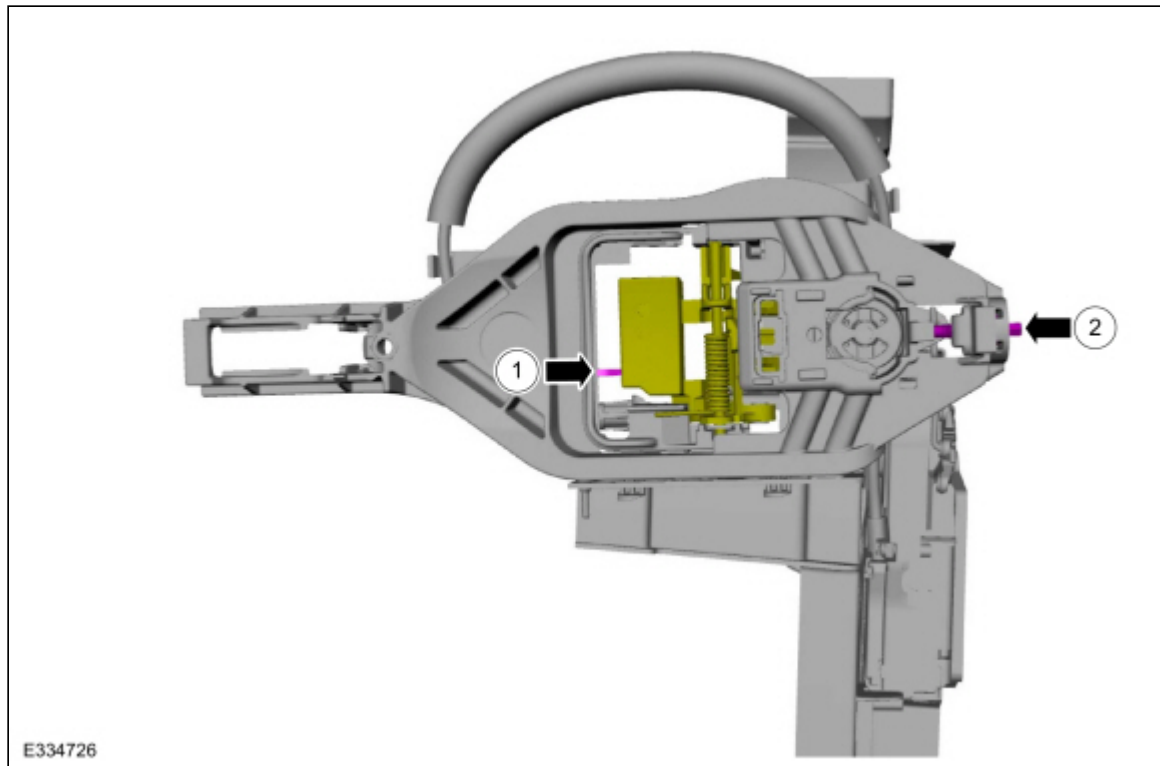
### All vehicles

1. To install, reverse the removal procedure.
2. **NOTE:** *This step is only necessary when installing a new component.*

**NOTE:** *This step must be done correctly or the exterior door handle will not engage the lever on installation.*

Position the exterior front door handle reinforcement in the service position.

1. While keeping tension on the cable and holding the handle lever in the engaged position against the stop.
2. Turn the release screw until the handle lever is positioned against the stop.



### Vehicles with power windows

3. If the door is equipped with one touch up/down.  
Carry out the power door window initialization.  
Refer to: Power Door Window Initialization (501-11 Glass, Frames and Mechanisms) .

© Copyright 2023, Ford Motor Company.

