Cruise Control Radar Alignment

Activation

NOTE: *Make sure that the tire pressures are to specification and that the vehicle is unladen.*

Vertical Alignment

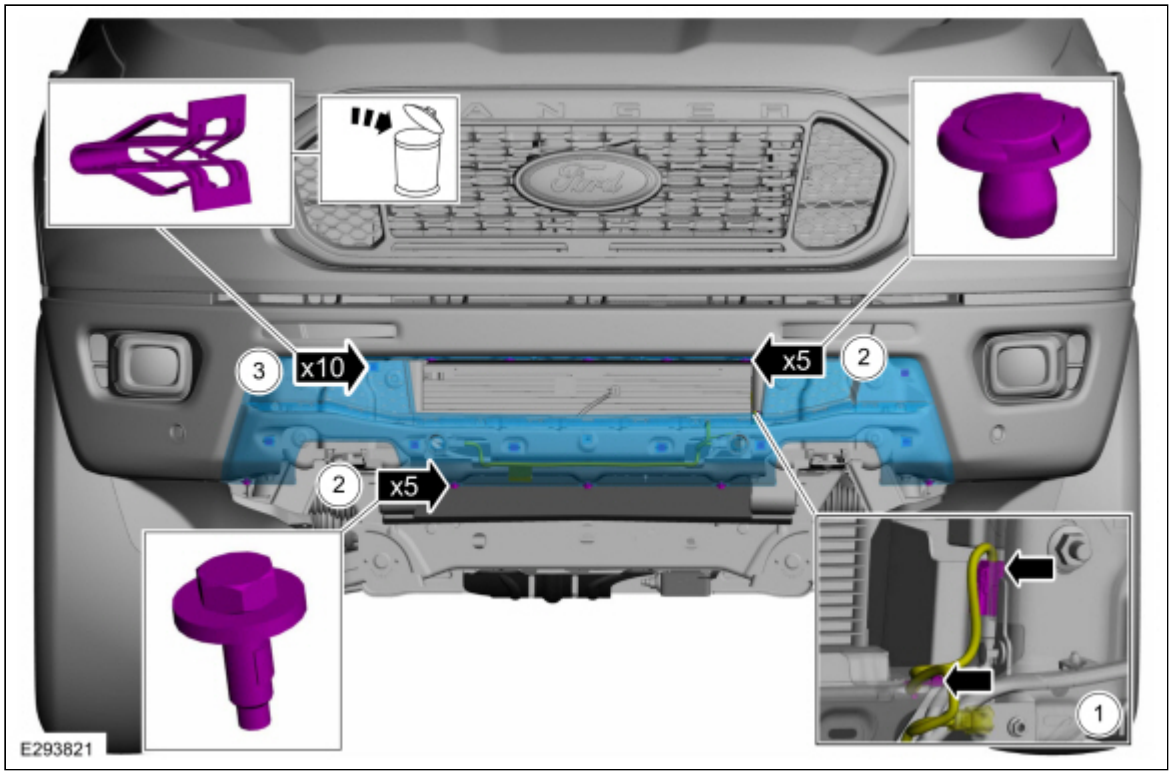
NOTE: *In order to align the CCM , the front bumper cover must be removed to access the sensor and the vehicle must be in a wheel alignment bay station so that the vehicle is level.*

NOTE: *Damage to the CCM bracket may affect correct alignment. When aligning the CCM , inspect the CCM bracket for damage and repair as necessary before carrying out the alignment procedure.*

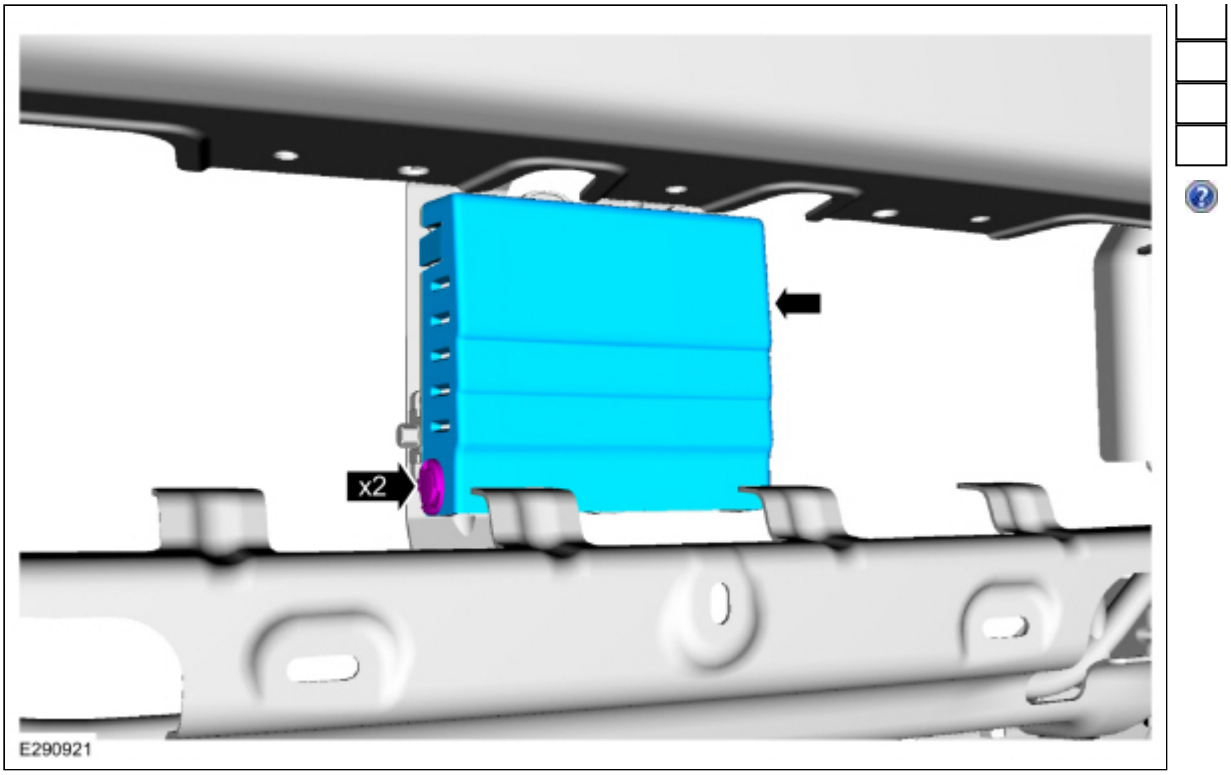
NOTE: *Damage to the lower grill may affect the performance of the CCM . When aligning the CCM , inspect the lower grill for damage and repair as necessary before carrying out the alignment procedure.*

1. Remove the front bumper valence cover.
   1. Disconnect the electrical connector, the retainer and position the wiring harness aside.
   2. Remove the push pins and the bolts.
      Torque: 36 lb.in (4.1 Nm)
   3. **NOTE:** *Use a suitable tool to prevent damage to the component during removal.*

      Remove and discard the clips. Remove the front bumper valence cover.



2. Remove the retainers and the CCM cover.

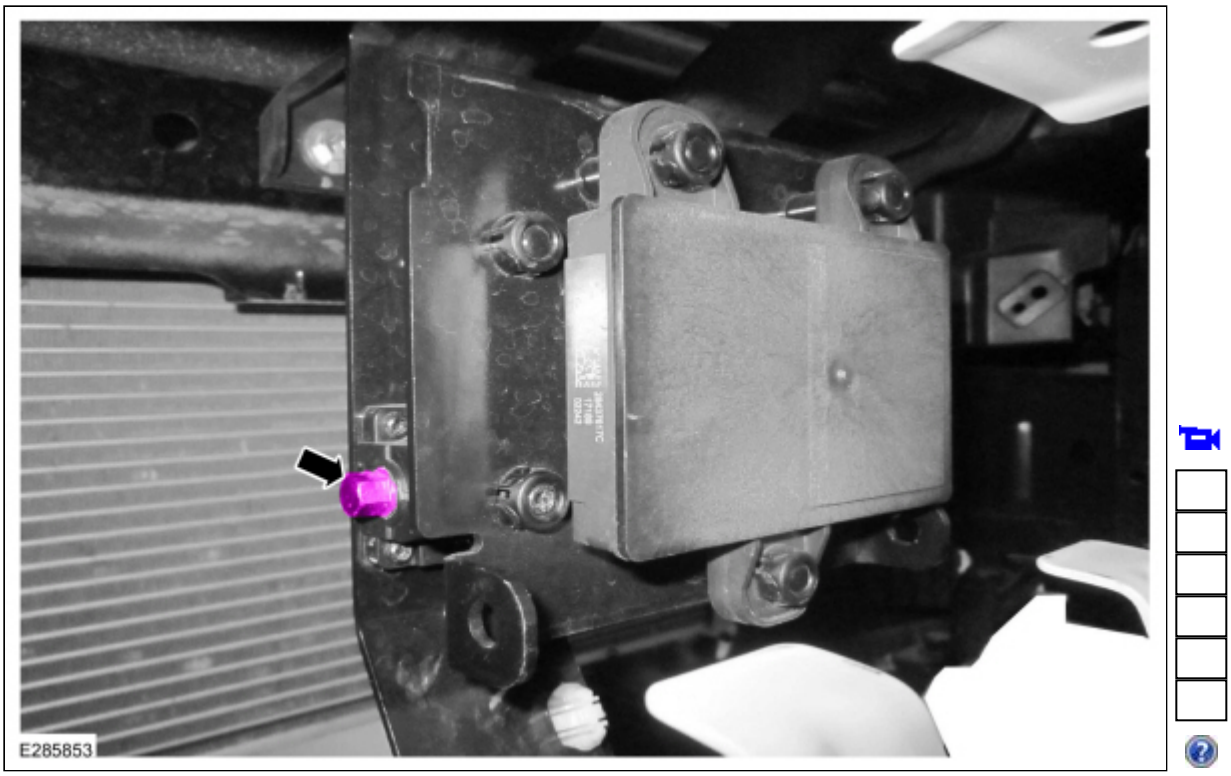


3. **NOTE:** *Make sure there is no physical damage to any component and if all components are fit correctly on to the vehicle. This will ensure correct operation of the CCM module.*

   Place the vehicle on a wheel alignment bay station.

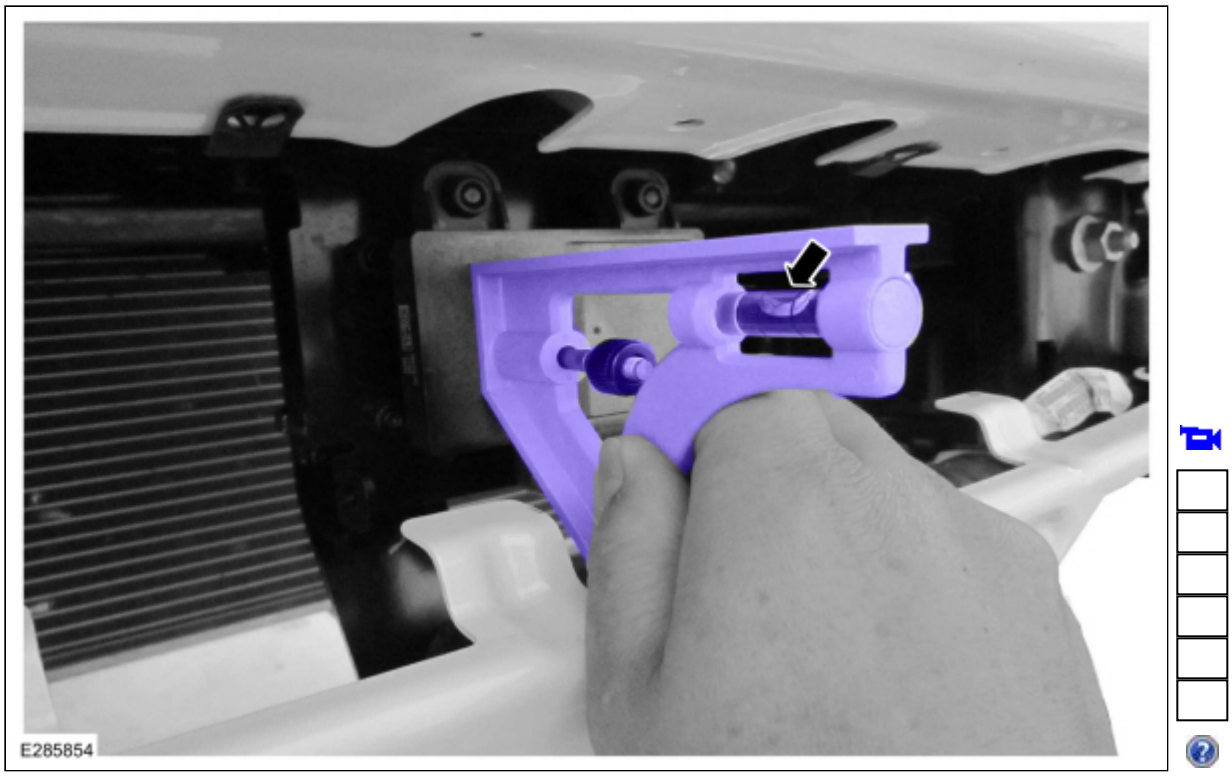
4. **NOTE:** *Similar application shown.*

   Locate the CCM alignment screw.



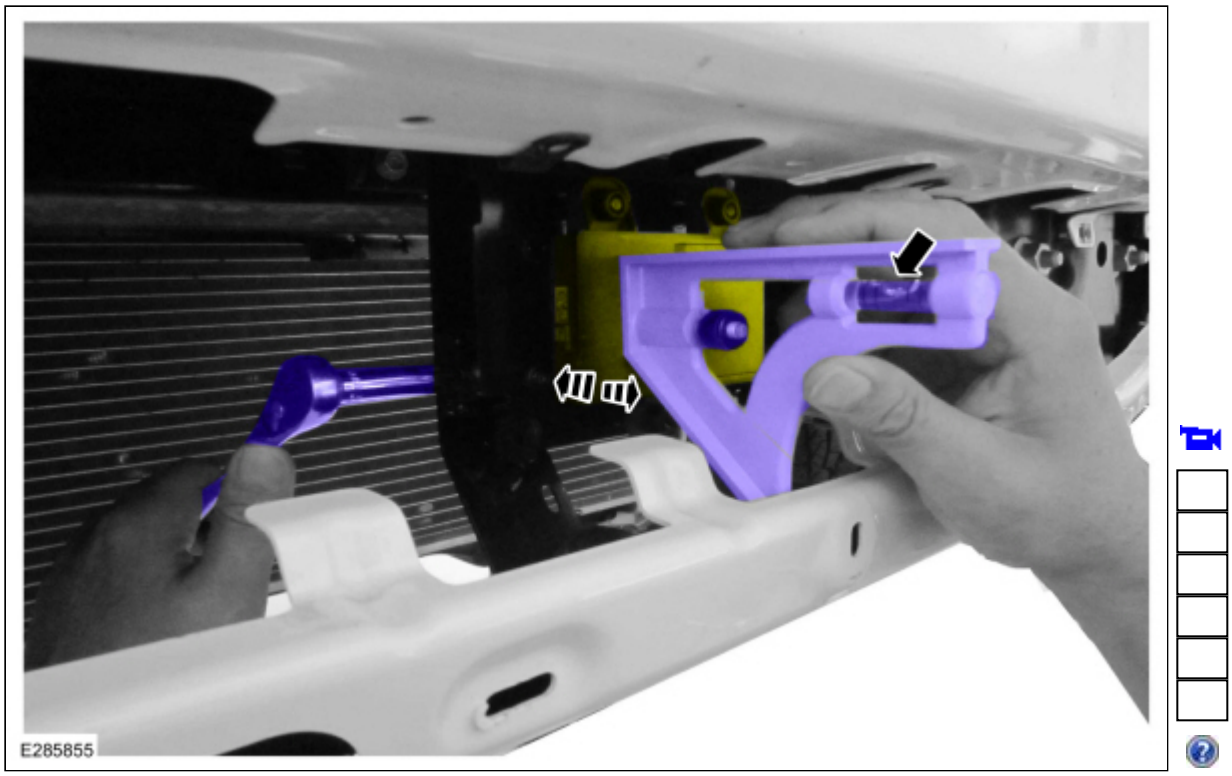
5. **NOTE:** *Similar application shown.*

   Place a combination square level on the face of the CCM and check the alignment.



6. **NOTE:** *Similar application shown.*

   Keeping the combination square level on the face of the CCM , adjust the pitch by adjusting the screw until the CCM is vertical and level.



7. To install, reverse the removal procedure.

Horizontal Alignment

NOTE: *Prior to software calibration for horizontal alignment, make sure the CCM vertical alignment has been completed.*

NOTE: *The horizontal alignment for the CCM is a software calibration check that is performed by the scan tool to insure the CCM radar is pointed straight. No manual adjustment is needed for this procedure. The scan tool calibrates the CCM through the CCM procedure in programmable parameters. The Alignment Offset specification is +/- 3.0 degrees of offset.*

8. **NOTICE: The vehicle's engine must be running during the horizontal alignment procedure. Failure to leave the engine running throughout the entire procedure results in the cancellation of the alignment procedure and the system remains non-functional.**

   Start the engine.

9. Follow the scan tool on-screen instructions to carry-out the CCM calibration procedure.