

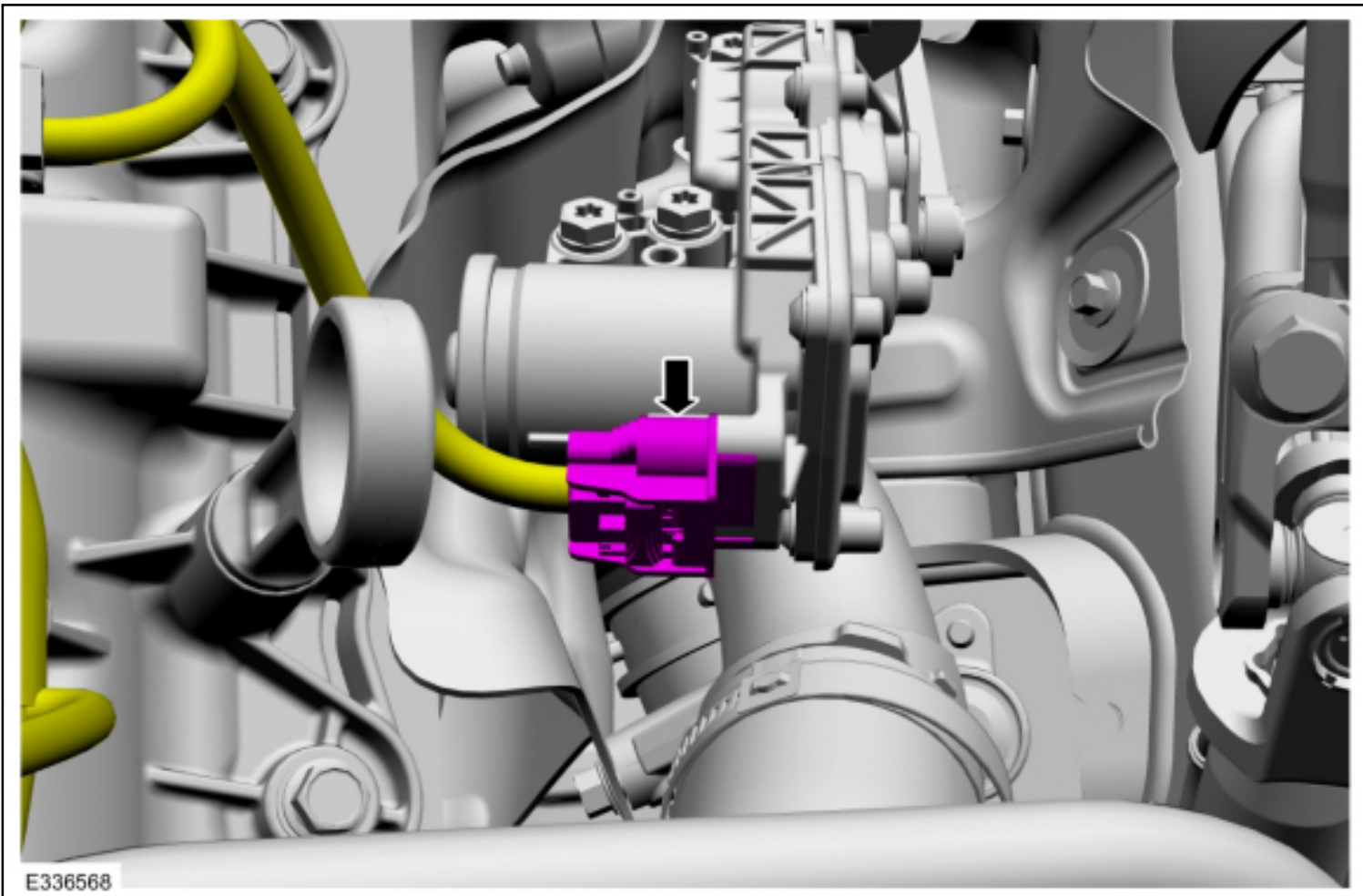
Wastegate Control Actuator LH



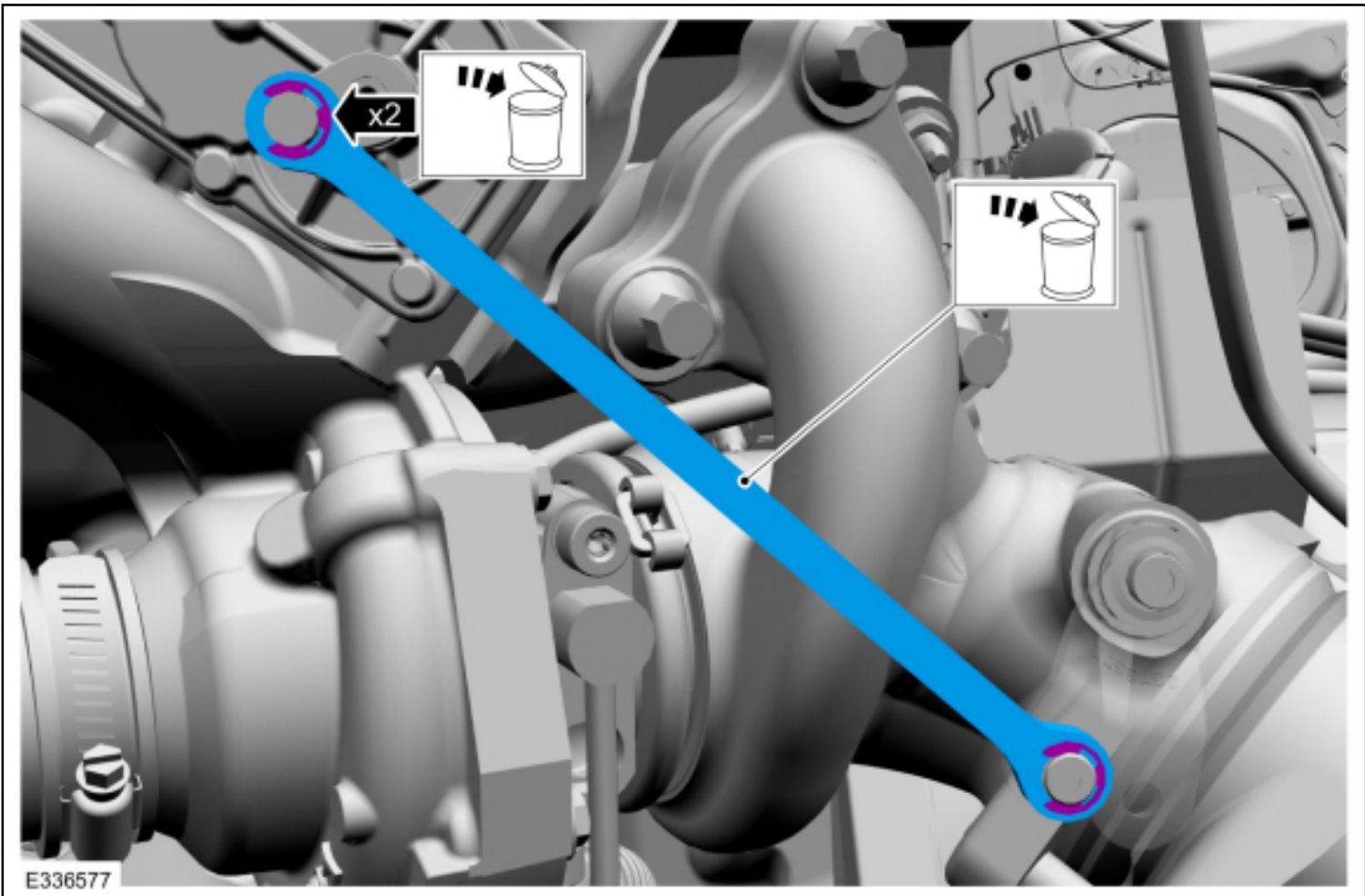
Removal

NOTICE: The turbocharger compressor vanes can be damaged by even the smallest particles. When removing any turbocharger or engine air intake system component, ensure that no debris enters the system. Failure to do so may result in damage to the turbocharger.

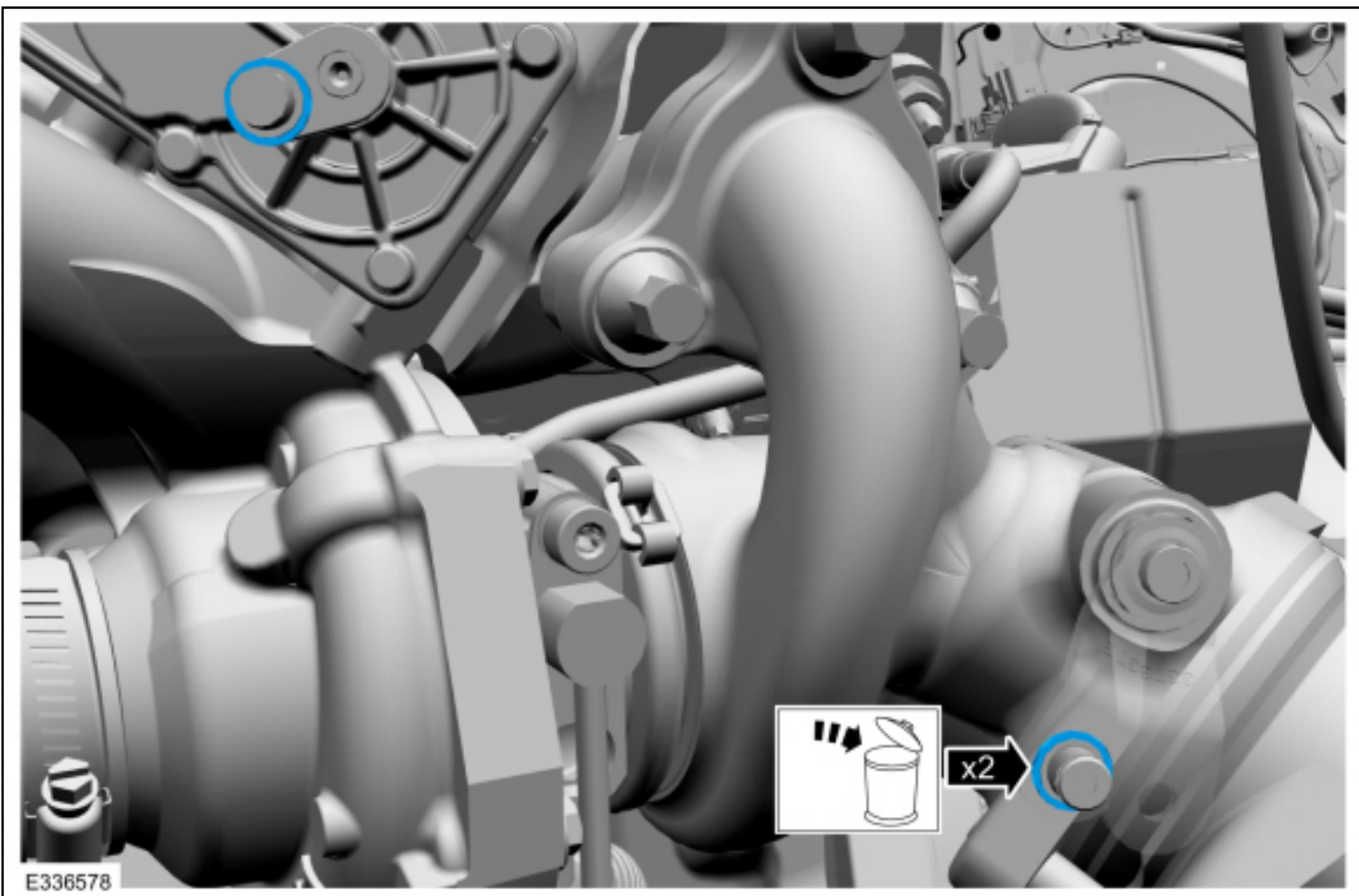
1. With the vehicle in NEUTRAL, position it on a hoist.
Refer to: [Jacking and Lifting - Overview](#) (100-02 Jacking and Lifting, Description and Operation) .
2. Remove the left front fender splash shield.
Refer to: [Fender Splash Shield](#) (501-02 Front End Body Panels, Removal and Installation) .
3. Disconnect the wastegate control actuator electrical connector.



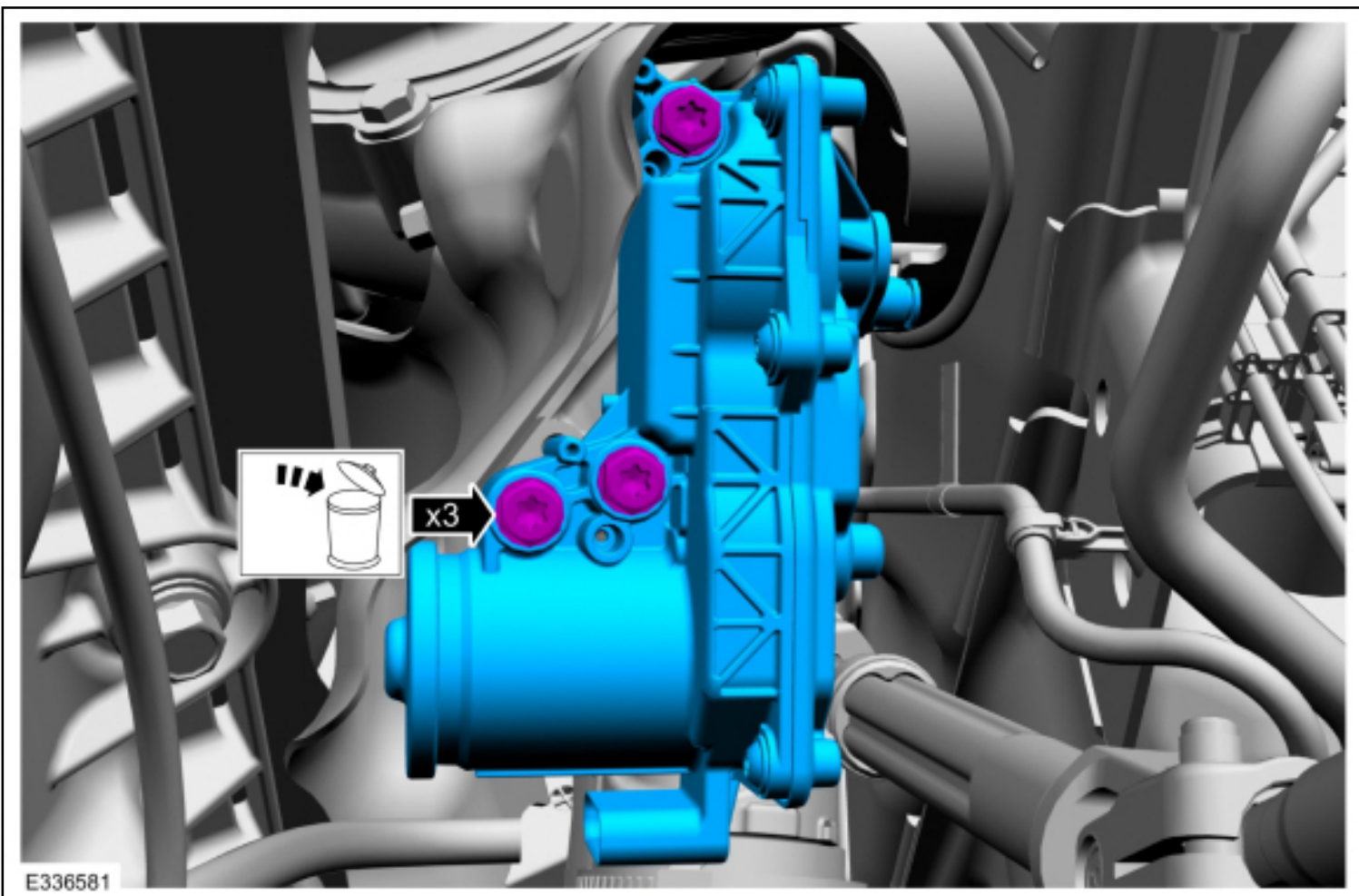
4. Remove and discard the wastegate control actuator linkage e-clips, then remove and discard the linkage.



5. Remove and discard the wastegate control actuator linkage wave washers.

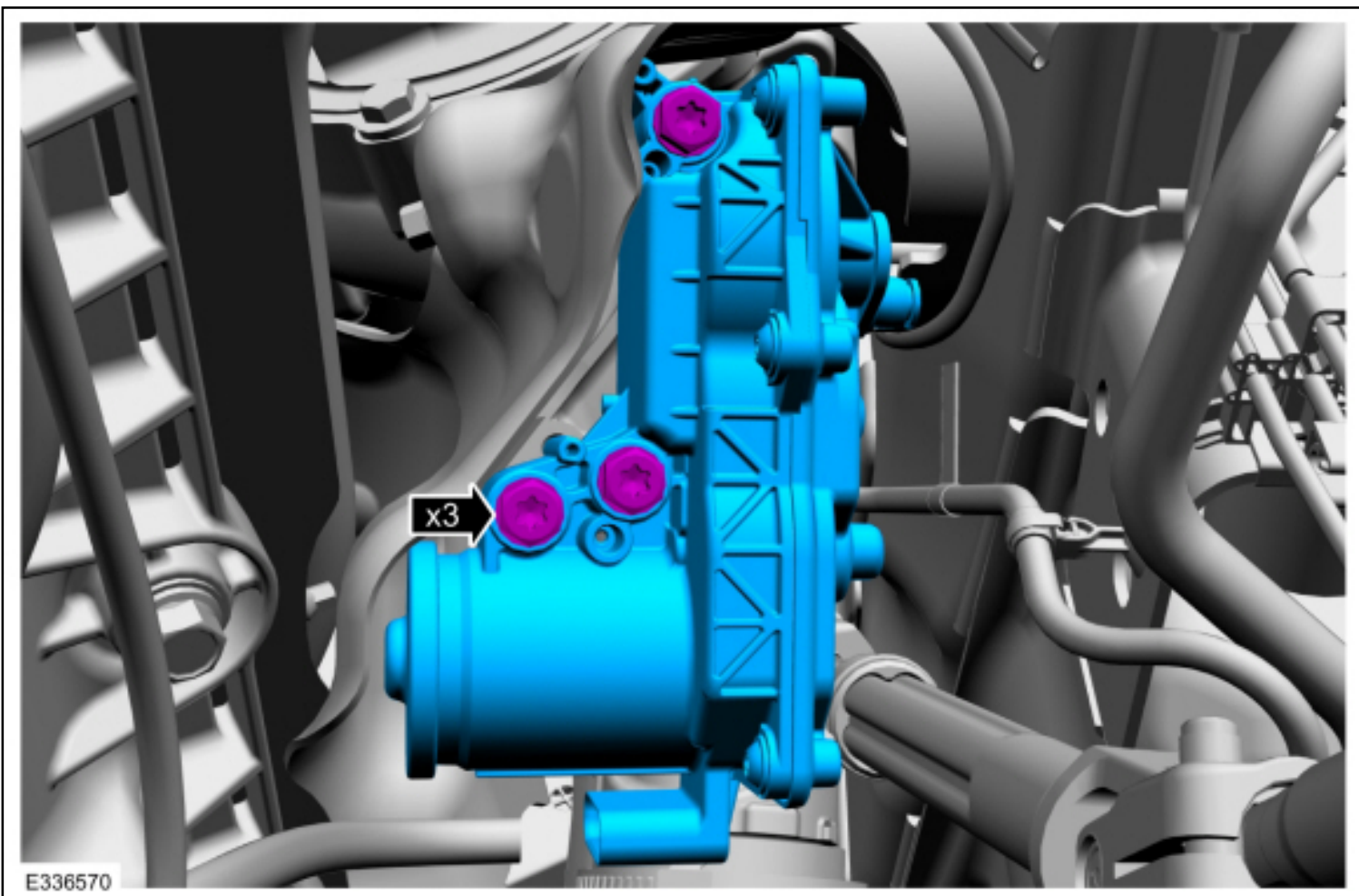


6. Remove and discard the wastegate control actuator bolts, then remove the wastegate control actuator.

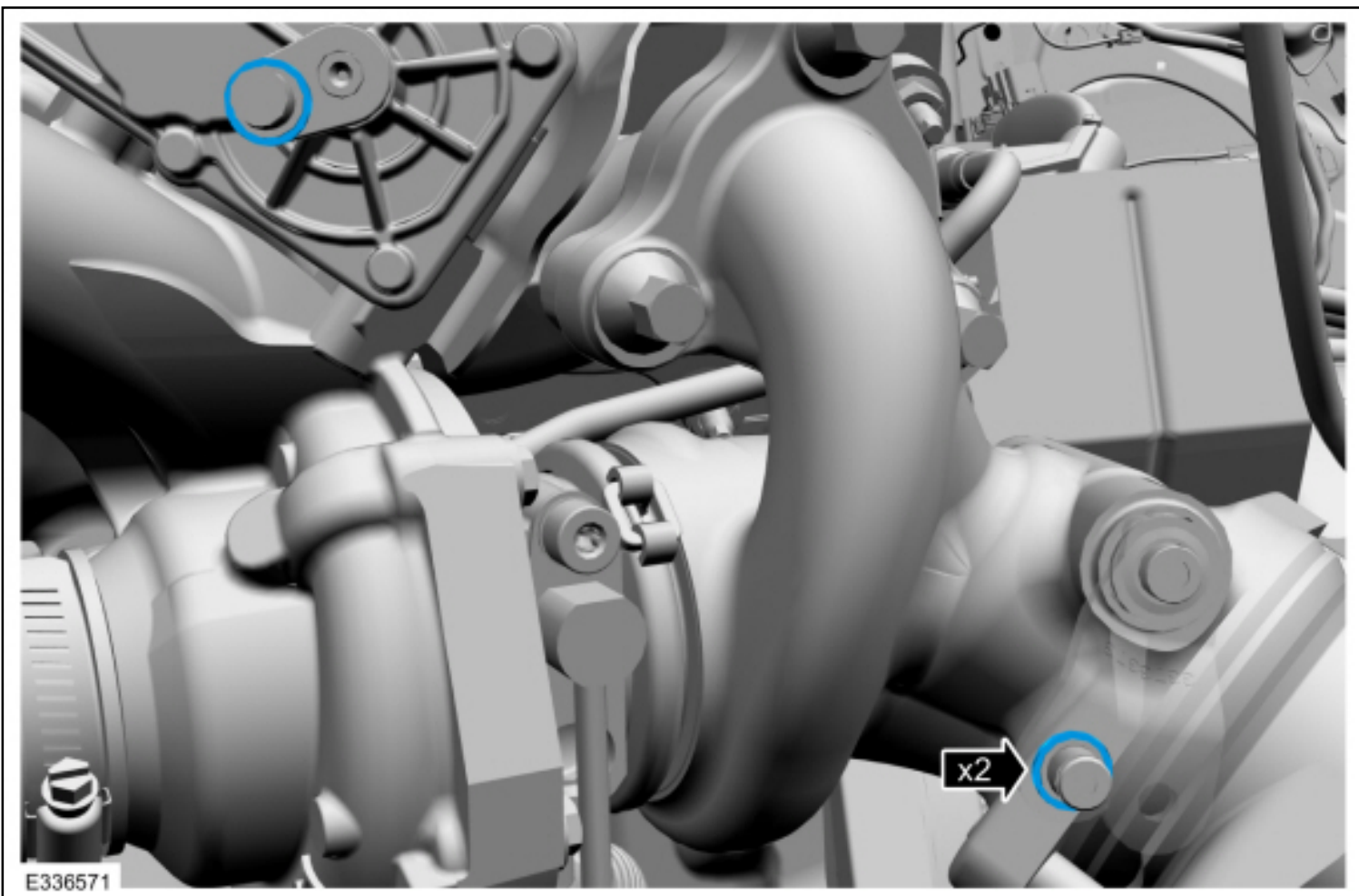


Installation

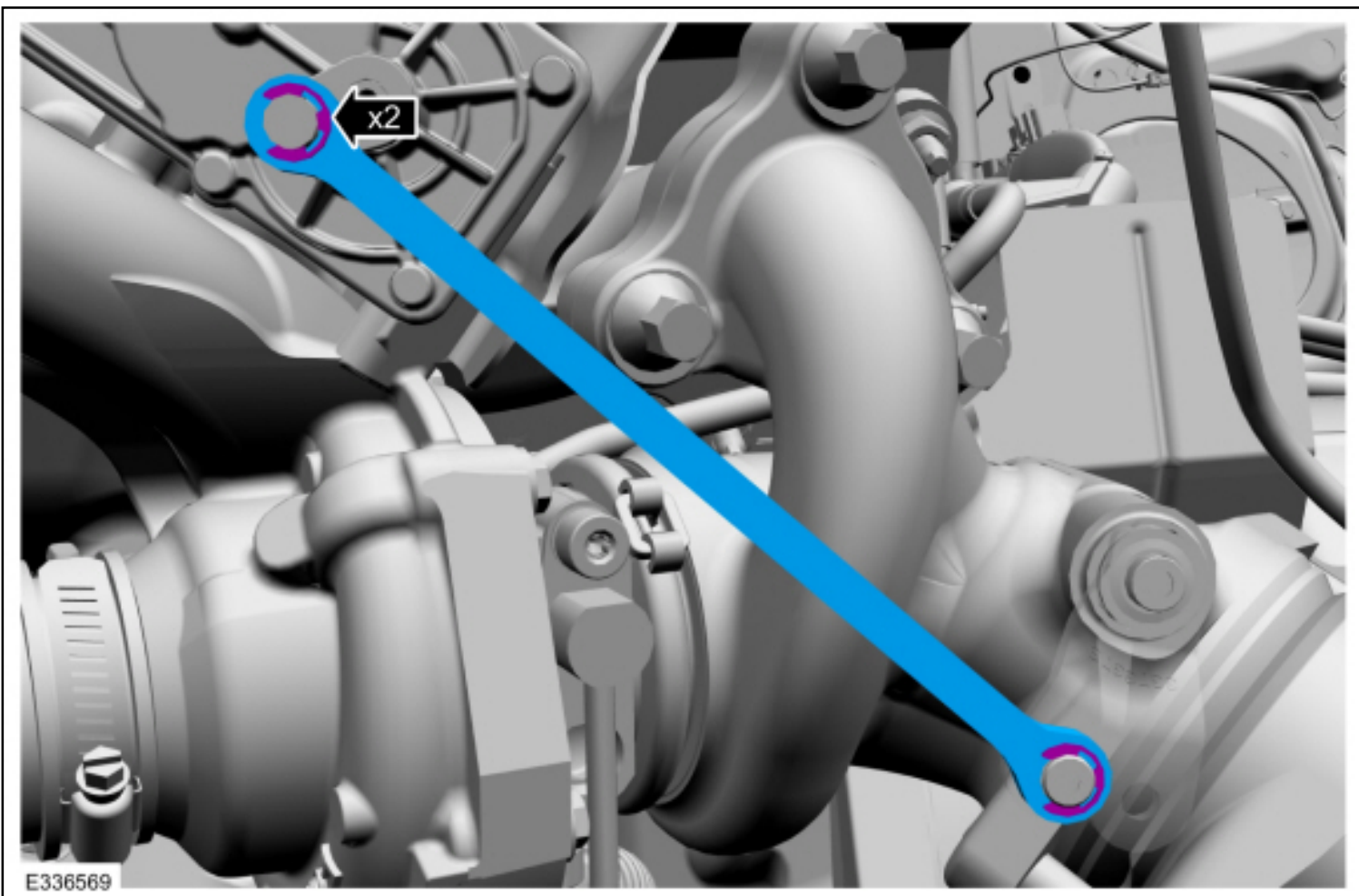
1. Install the wastegate control actuator, then install and tighten the new bolts.
Torque : 62 lb.in (7 Nm)



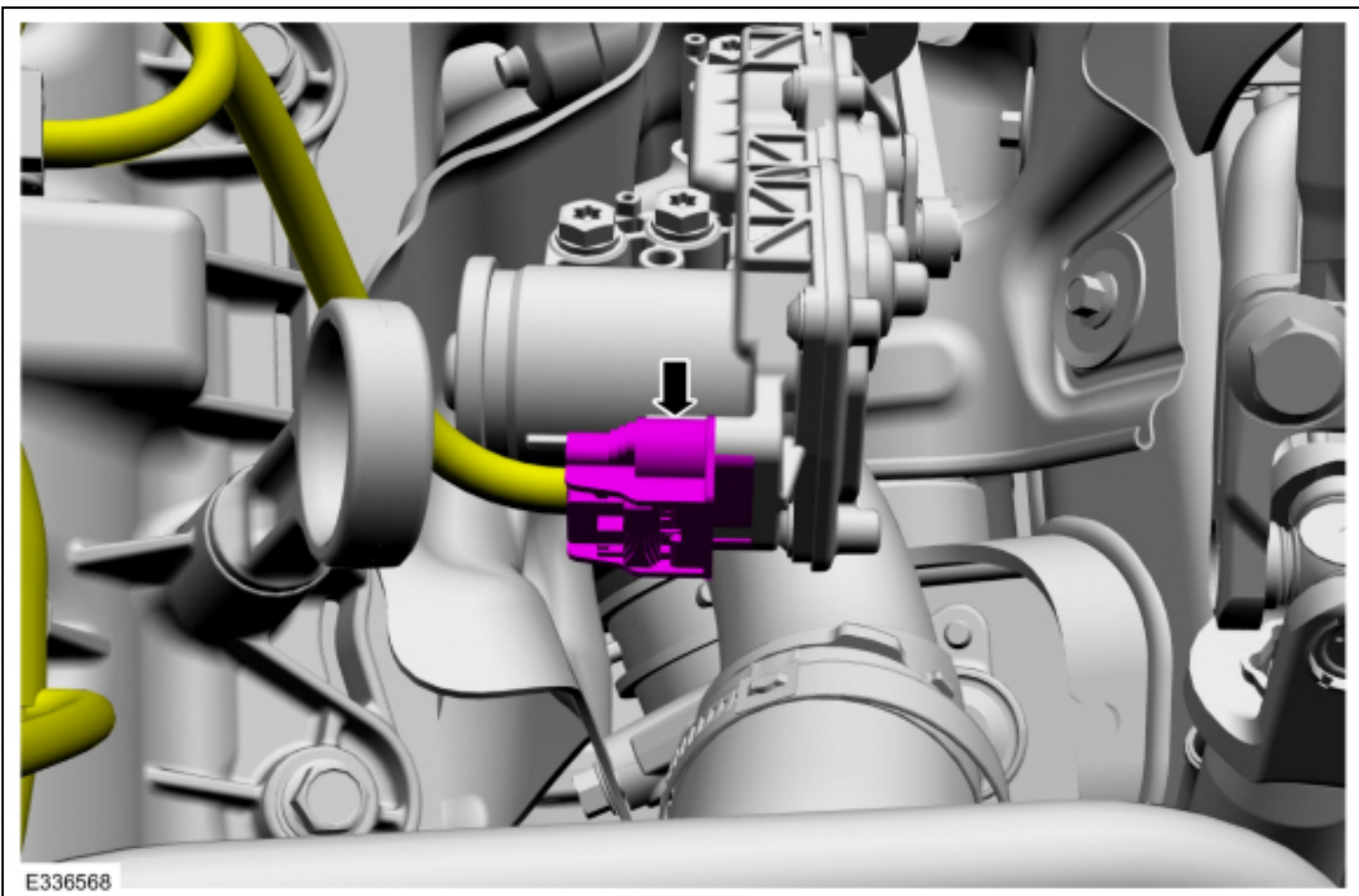
2. Install the wastegate control actuator linkage wave washers.



3. Install the new wastegate control actuator linkage, then install the new e-clips.



4. Connect the wastegate control actuator electrical connector.



5. **NOTICE: Substantial opening and closing torque is applied by this system. To prevent injury, be careful to keep fingers away from wastegate mechanism when actuated. Failure to follow these instructions may result in personal injury.**

- With the KOEO , using a diagnostic scan tool, clear the PCM DTC's and reset the KAM .

6. Install the left front fender splash shield.

Refer to: [Fender Splash Shield](#) (501-02 Front End Body Panels, Removal and Installation) .

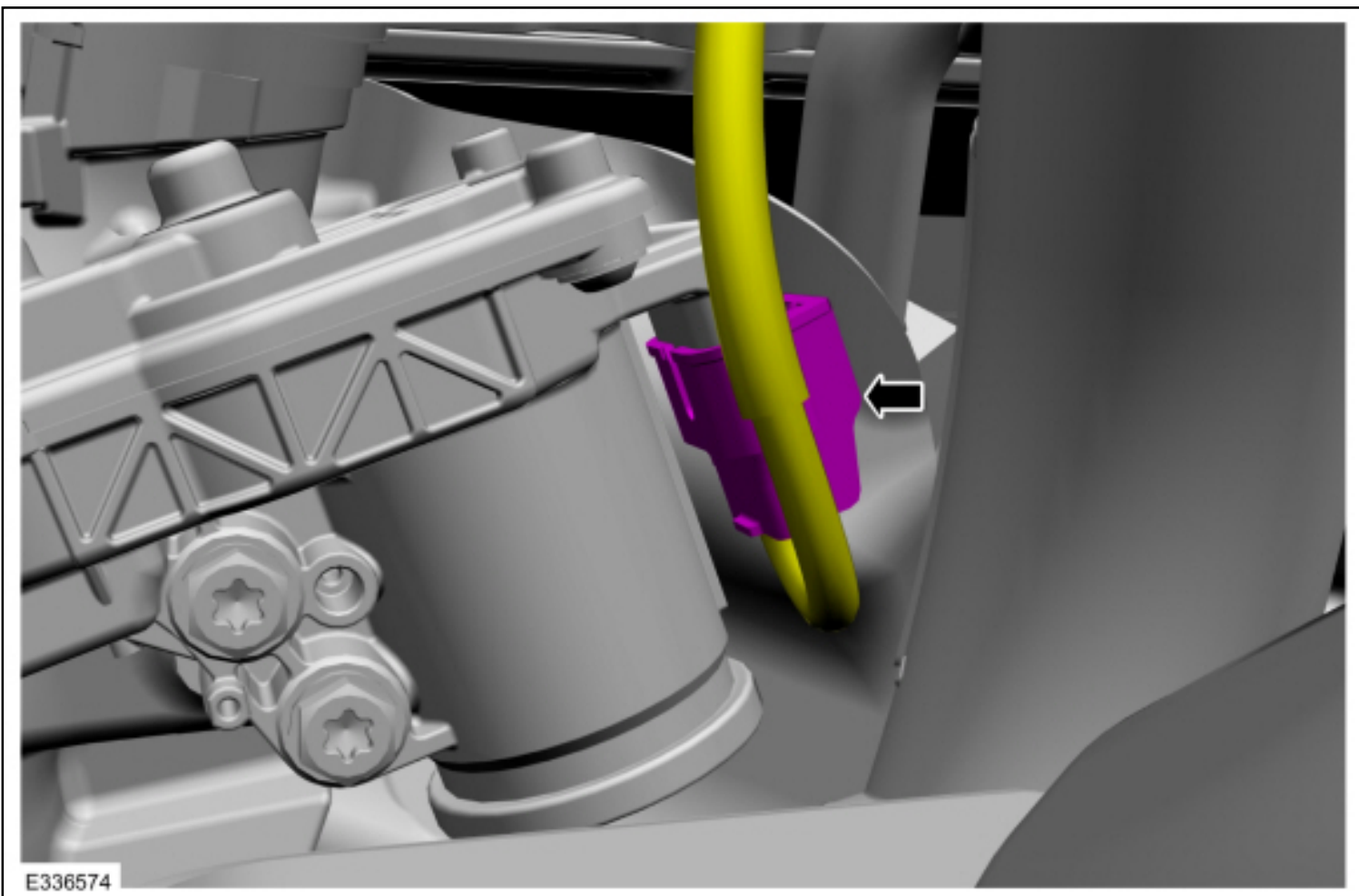
Wastegate Control Actuator RH



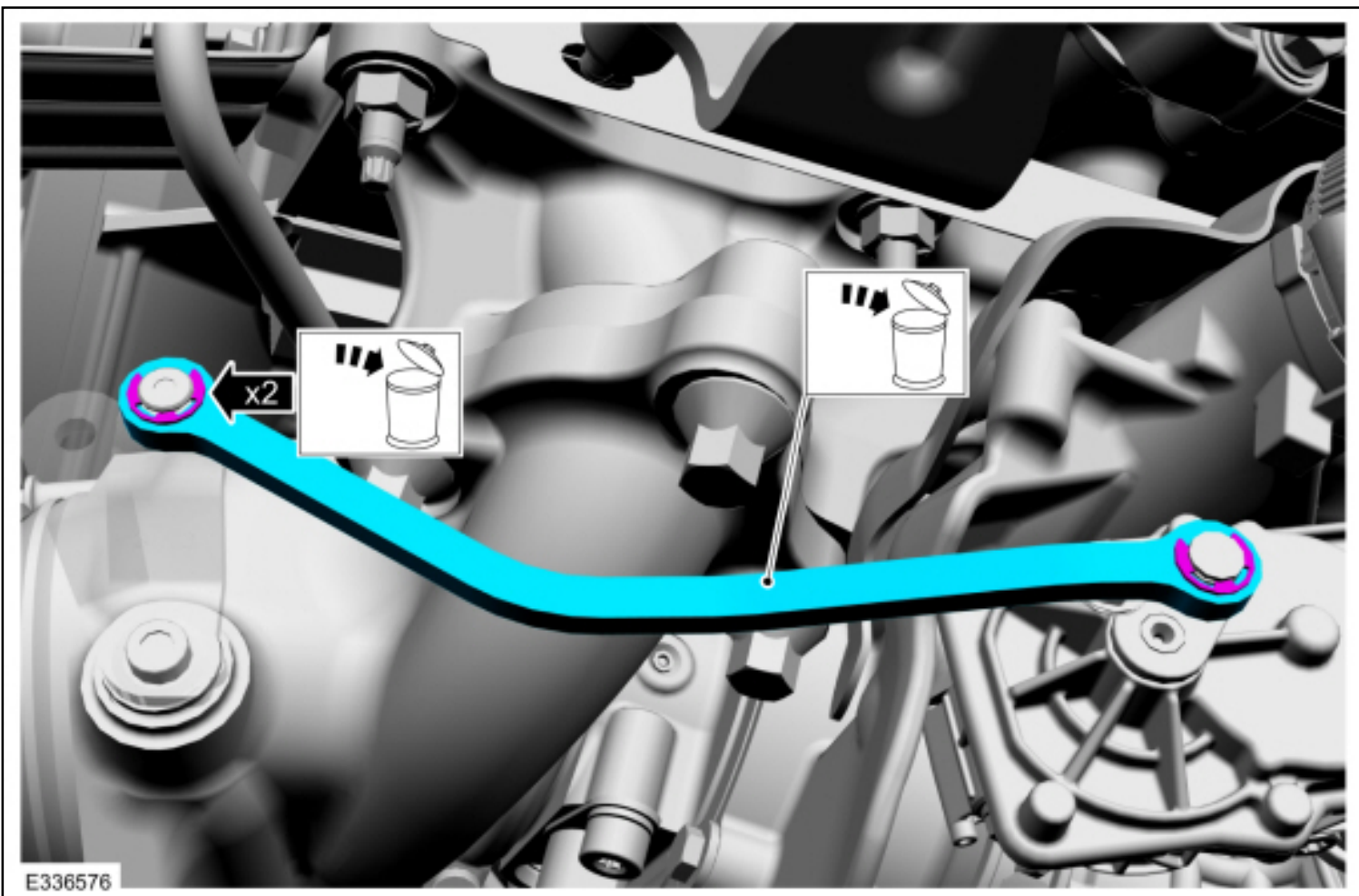
Removal

NOTICE: The turbocharger compressor vanes can be damaged by even the smallest particles. When removing any turbocharger or engine air intake system component, ensure that no debris enters the system. Failure to do so may result in damage to the turbocharger.

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. Remove the right front fender splash shield.
Refer to: [Fender Splash Shield](#) (501-02 Front End Body Panels, Removal and Installation) .
3. Disconnect the wastegate control actuator electrical connector.

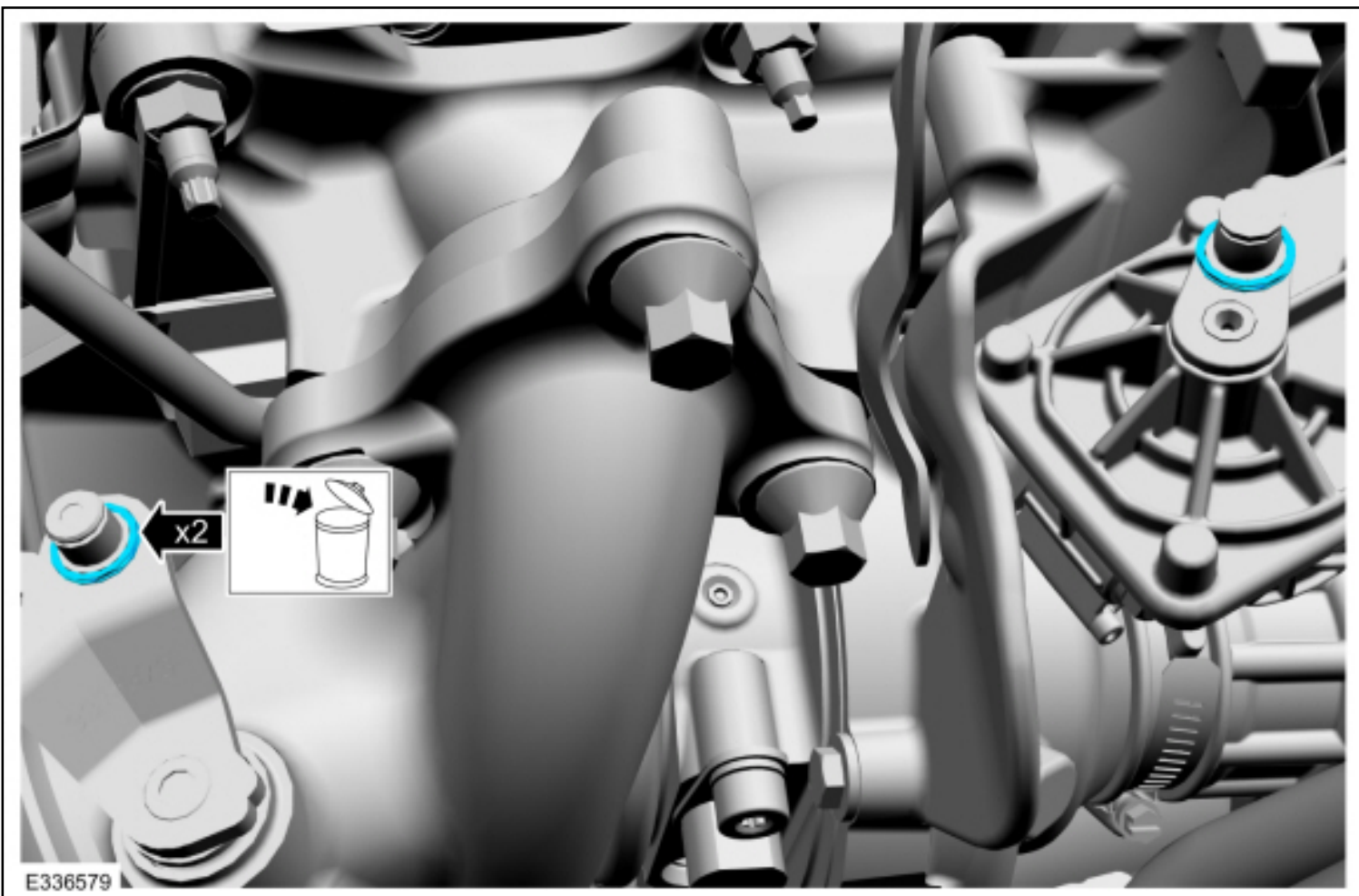


- Note the correct orientation of the wastegate control actuator linkage, the long section of the linkage goes towards the actuator, and the curve to the outside away from the engine, to insure the correct installation.
- Remove and discard the wastegate control actuator linkage e-clips, then remove and discard the linkage.

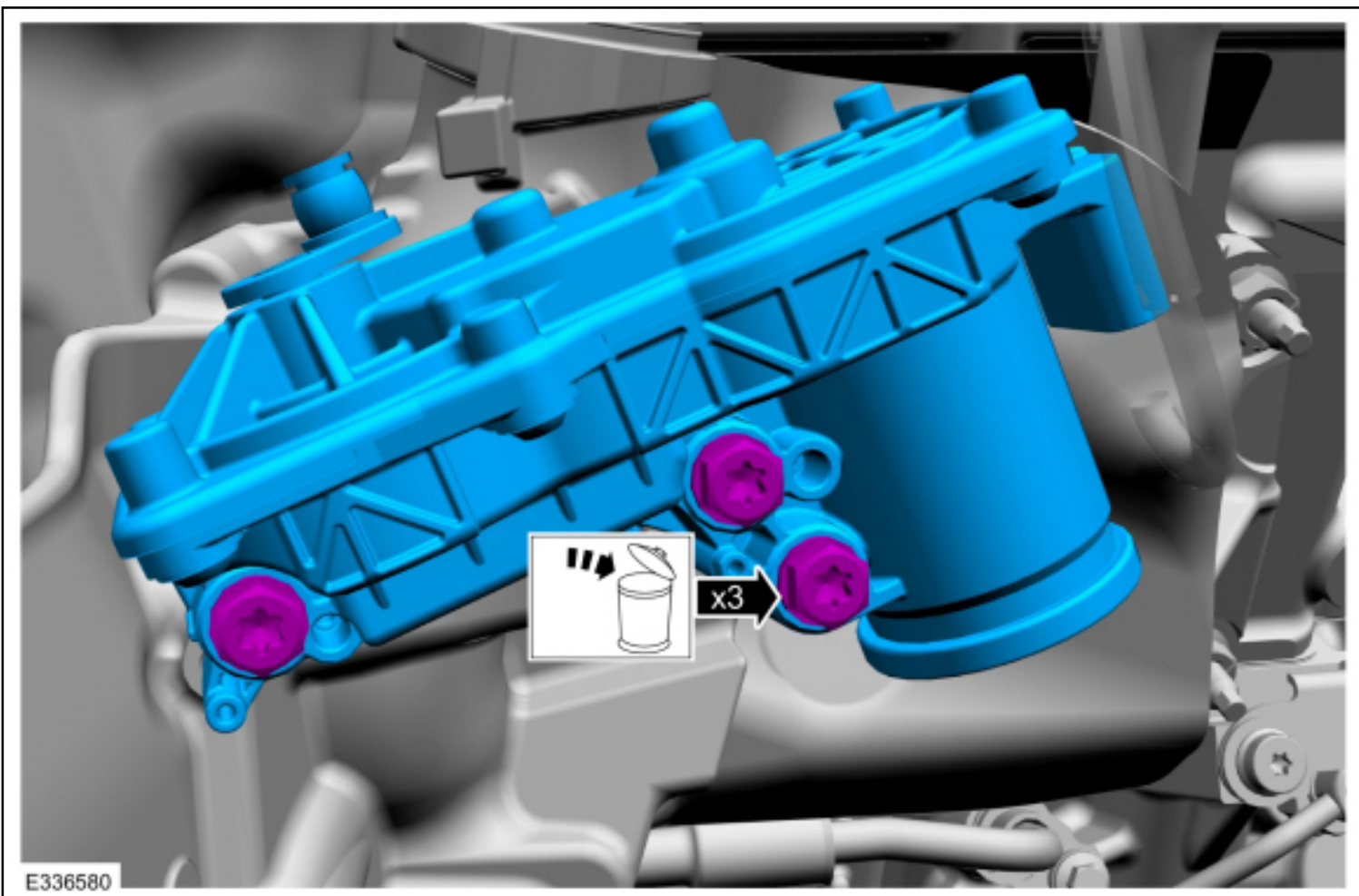


5. Remove and discard the wastegate control actuator linkage wave washers.



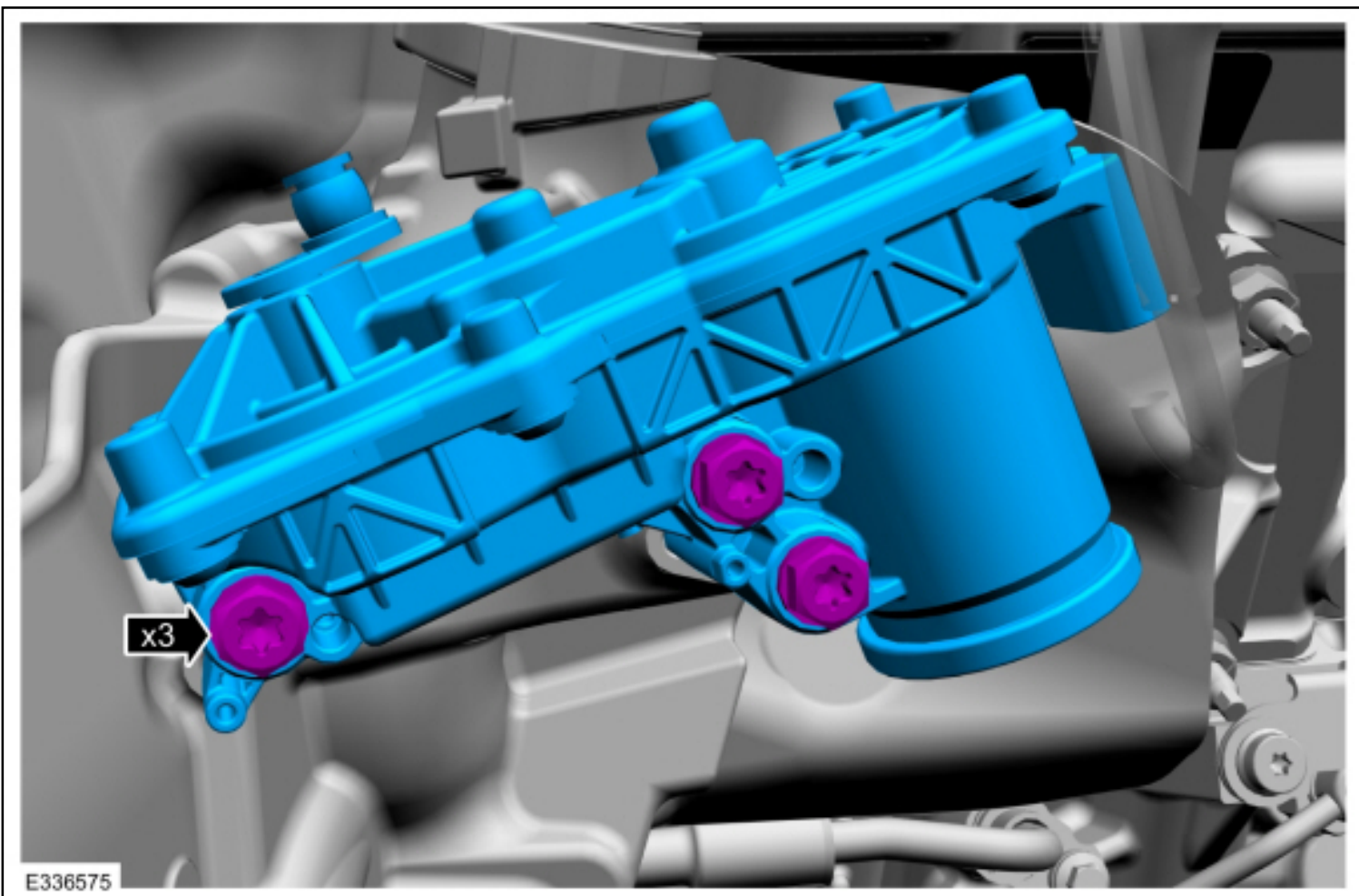


6. Remove and discard the wastegate control actuator bolts, then remove the wastegate control actuator.

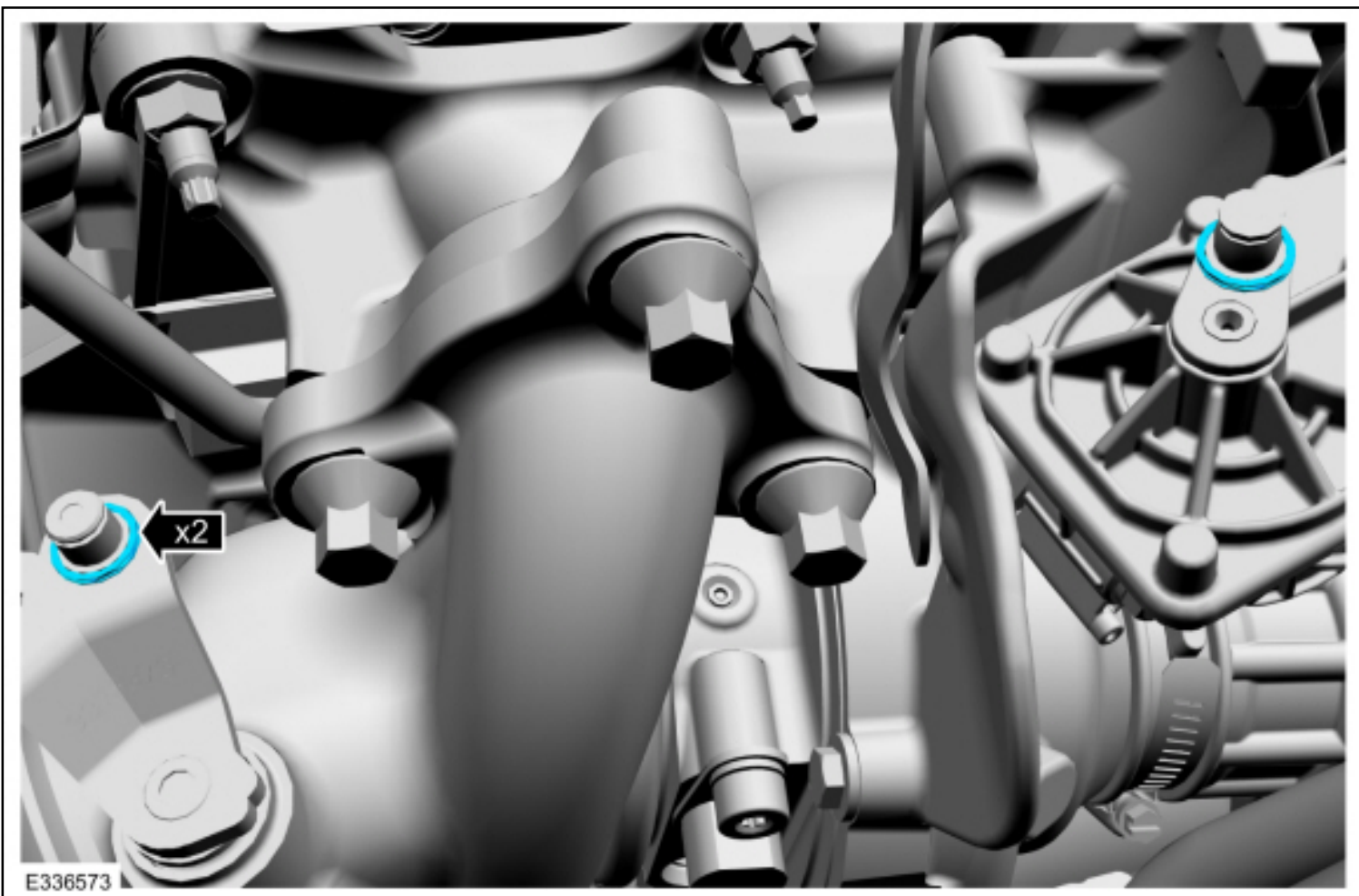


Installation

1. Install the wastegate control actuator, then install and tighten the new bolts.
Torque : 62 lb.in (7 Nm)



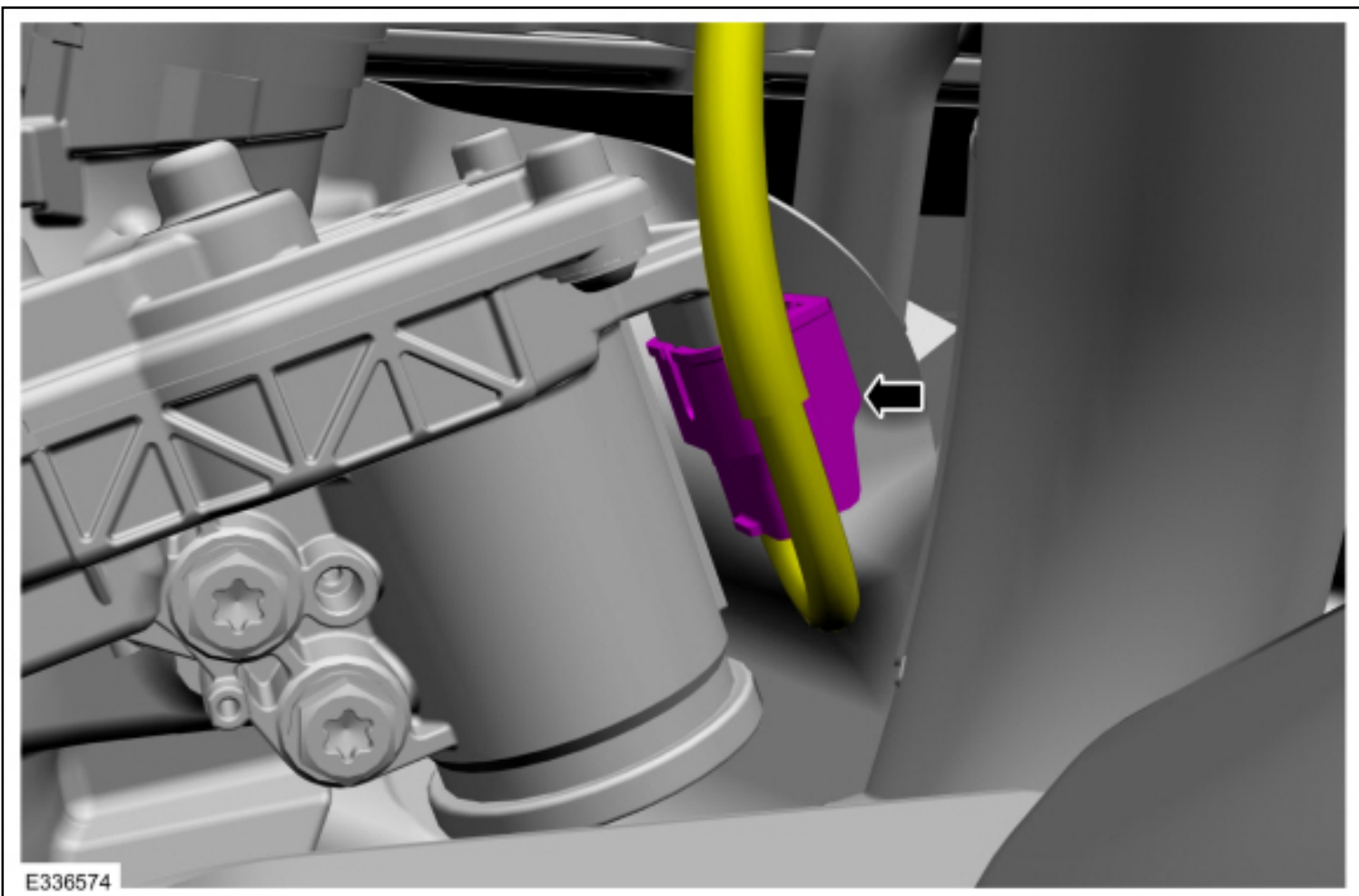
2. Install the new wastegate control actuator linkage wave washers.



- The the wastegate control actuator linkage must be installed in the correct orientation with the long section of the linkage towards the actuator, and the curve to the outside away from the engine, as noted in the removal, or the linkage will bind.
- Install the new wastegate control actuator linkage, then install the new e-clips.



4. Connect the wastegate control actuator electrical connector.



5. **NOTICE: Substantial opening and closing torque is applied by this system. To prevent injury, be careful to keep fingers away from wastegate mechanism when actuated. Failure to follow these instructions may result in personal injury.**

- With the KOEO , using a diagnostic scan tool, clear the PCM DTC's and reset the KAM .

6. Install the right front fender splash shield.

Refer to: [Fender Splash Shield](#) (501-02 Front End Body Panels, Removal and Installation) .