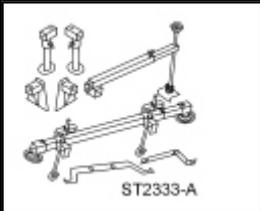


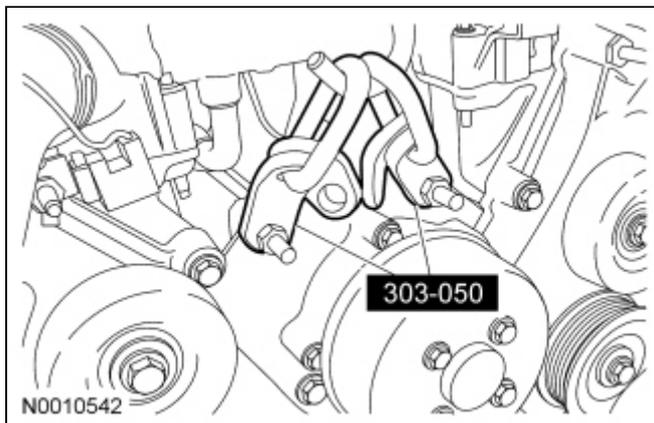
Subframe — Front, 4.6L

Special Tool(s)

 <p>ST1595-A</p>	Lifting Bracket Set, Engine 303-050 (T70P-6000)
 <p>ST2333-A</p>	Support Bar, Engine 303-F072

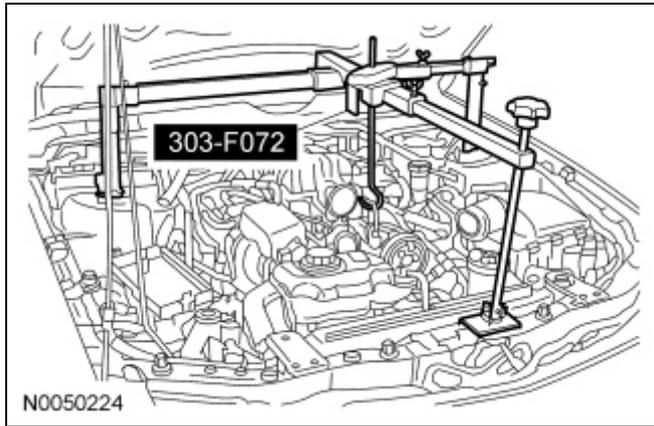
Removal and Installation

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. Remove the Throttle Body (TB). For additional information, refer to [Section 303-04B](#).
3. Remove the generator. For additional information, refer to [Section 414-00](#).
4. Install the Engine Lifting Bracket Set.



5. Remove the 2 engine insulator nuts.
 - To install, tighten to 55 Nm (41 lb-ft).
6. **NOTE:** Using the taller adapters, support the Engine Lifting Bracket Set on the shock towers.

Install the Engine Support Bar.



7. Using the Engine Lifting Bracket Set, raise and support the engine.
8. Remove and discard the lower steering column shaft coupling bolt.
 - To install, tighten to 25 Nm (18 lb-ft).
9. Separate the lower steering column shaft from the steering gear.
10. Remove the power steering line support bracket bolt.
 - To install, tighten to 11 Nm (97 lb-in).
11. **NOTICE: Support the steering gear with safety wire or damage to the steering gear may occur.**

Remove the 2 steering gear bolts and position the steering gear aside.

- To install, tighten to 115 Nm (85 lb-ft).
12. Remove the 2 lower ball joint nuts and bolts.
 - To install, tighten to 103 Nm (76 lb-ft).
 13. Separate the 2 lower ball joints from the steering knuckles.
 14. Support the subframe.
 15. Remove the 4 front subframe bolts at the torque box.
 - To install, tighten to 115 Nm (85 lb-ft).
 16. Remove the 4 front subframe nuts.
 - To install, tighten to 115 Nm (85 lb-ft).
 17. **NOTE:** Two technicians are needed to carry out this step.

Lower and remove the front subframe.

18. **NOTE:** Using a suitable alignment tool with a 15 mm (0.59 in) outside diameter shaft that is long enough to go through the subframe and body. Align the subframe to the body before tightening the subframe bolts and nuts to specification.

To install, reverse the removal procedure.
