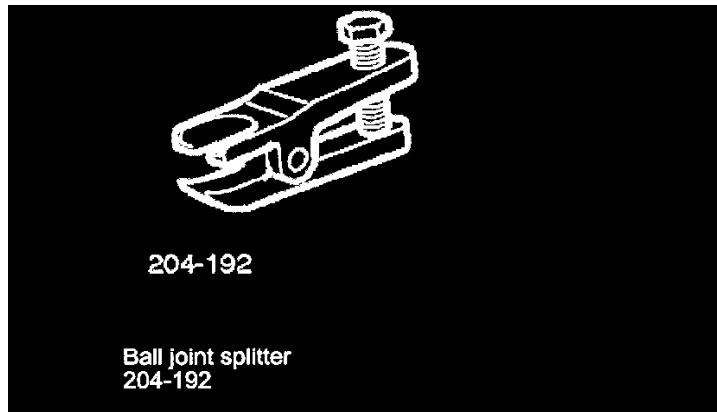
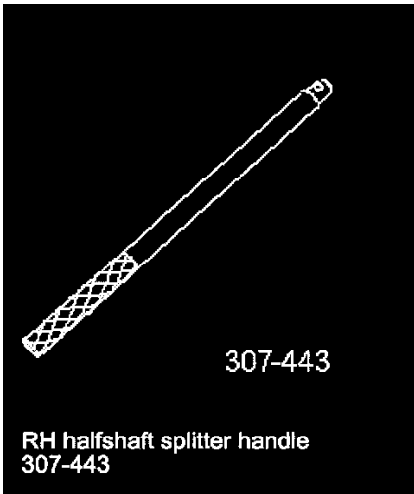
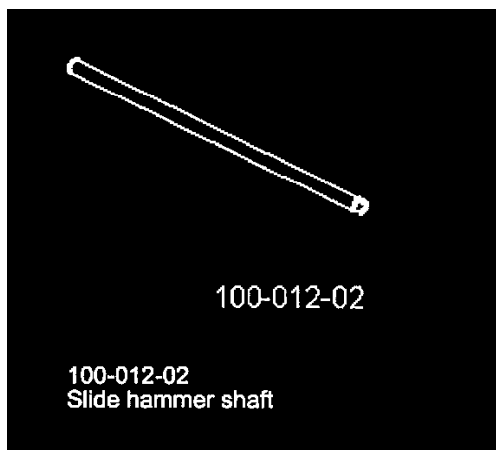


Axle Shaft Assembly: Service and Repair

Halfshaft RH

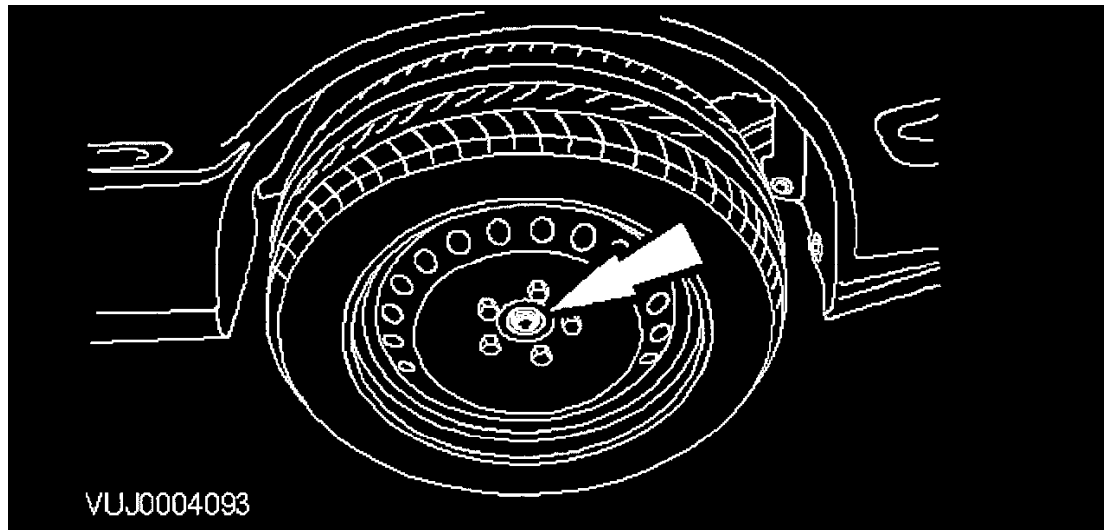




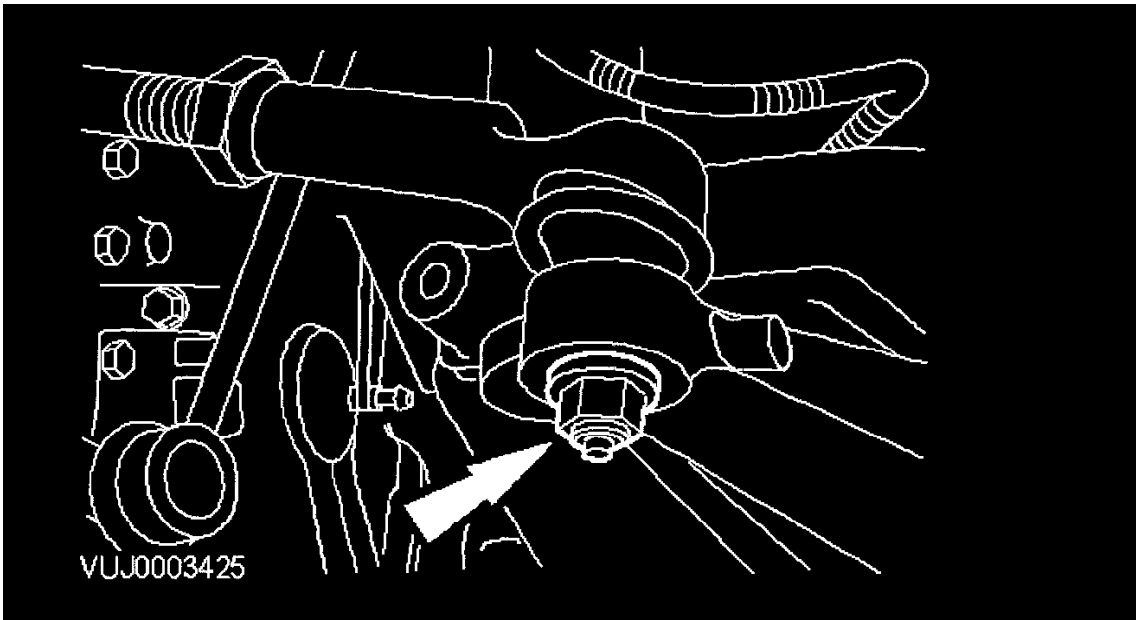


Special Service tools

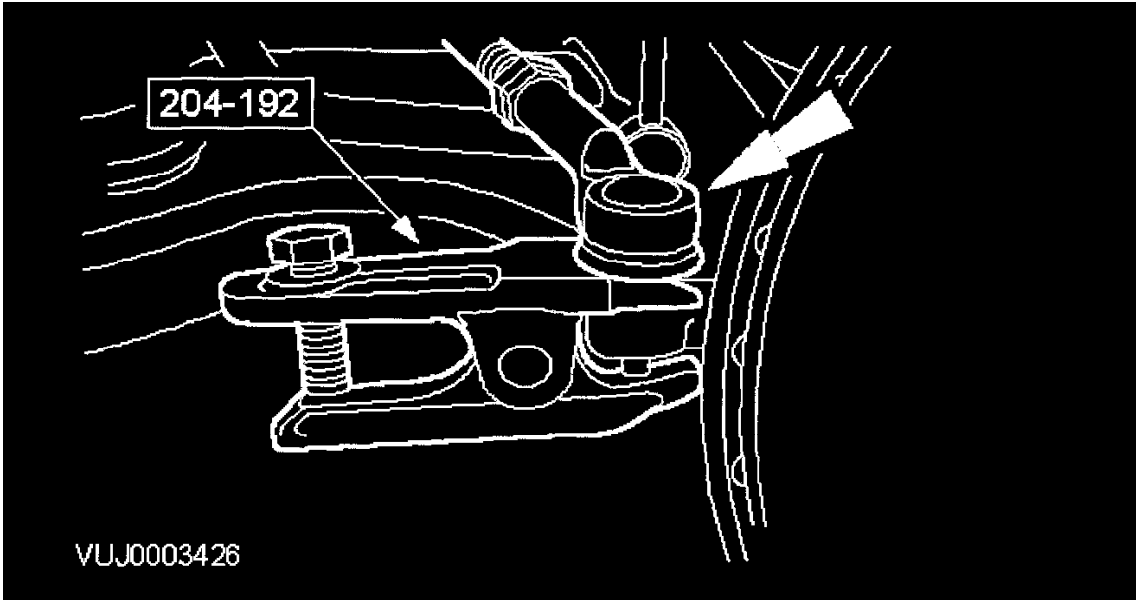
Removal



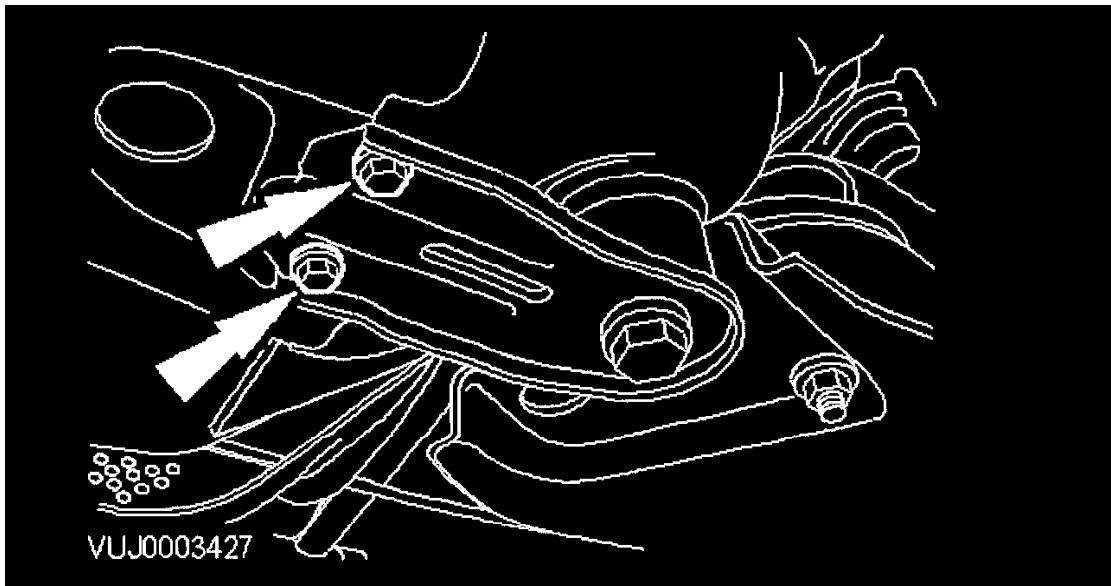
1. Loosen the wheel hub nut.
2. Remove the front road wheel and tire.



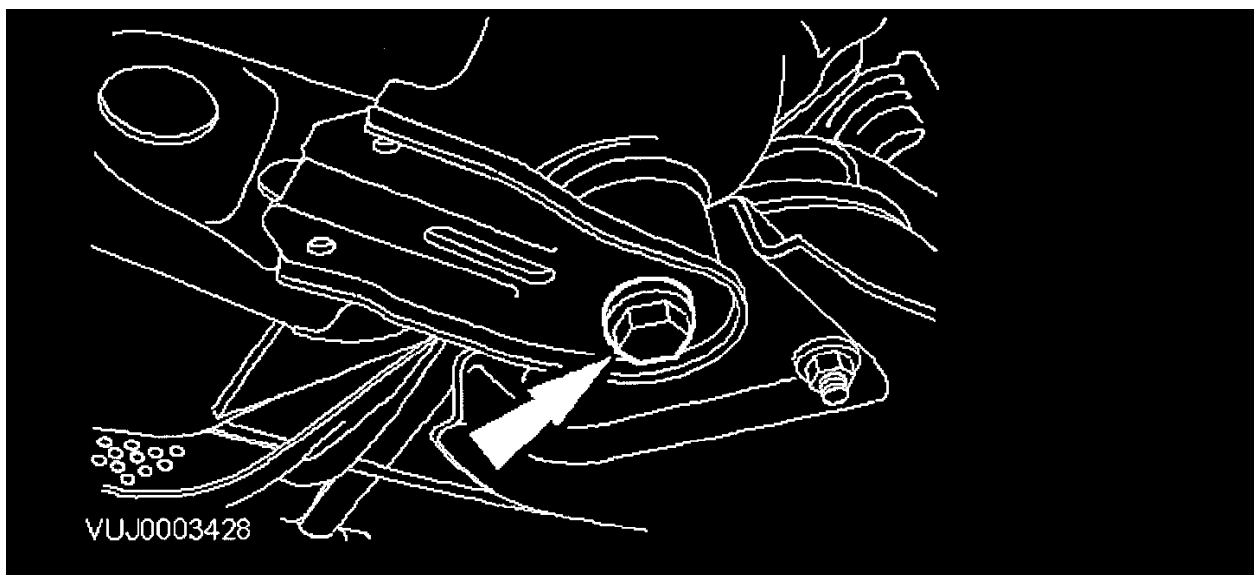
3. Remove the tie rod end retaining nut.



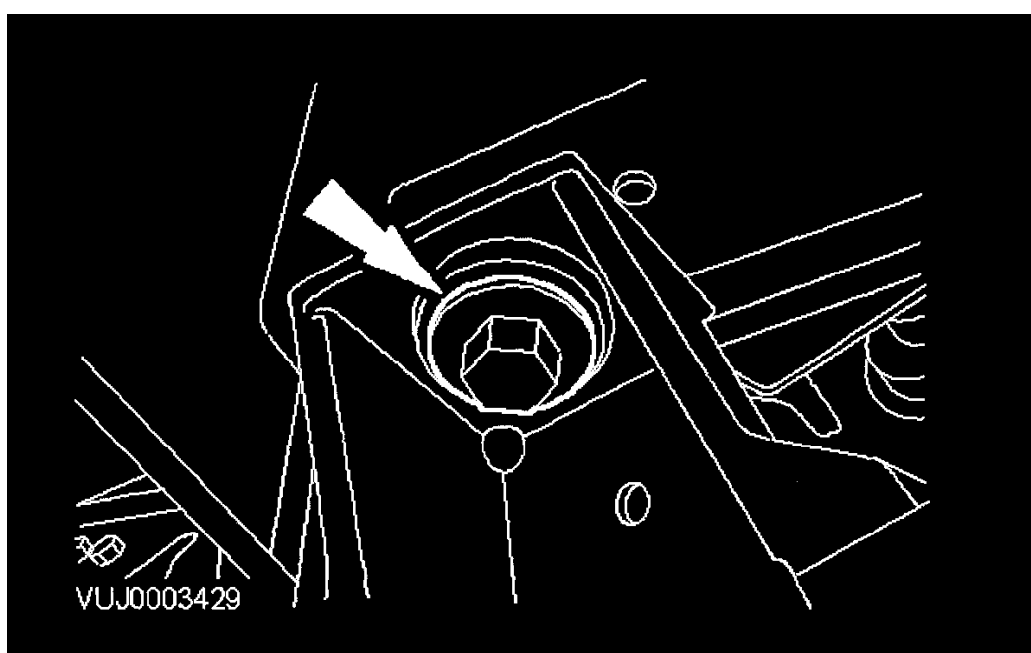
4. Using the special tool, detach the tie rod end.



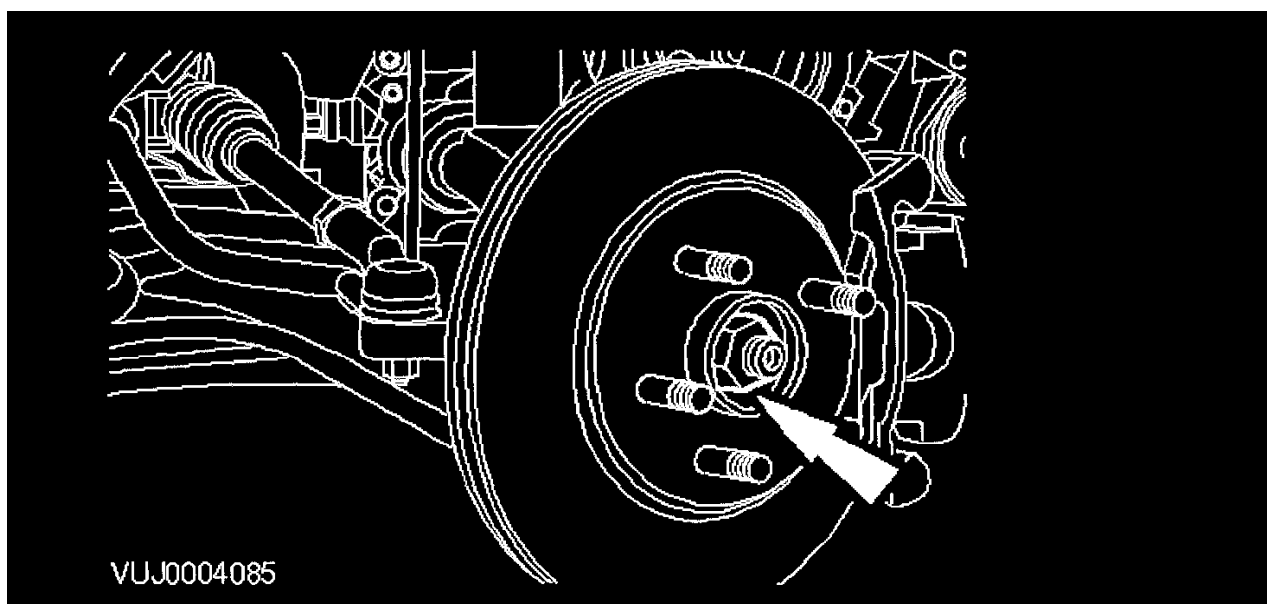
5. Remove the subframe reinforcement plate retaining bolts.



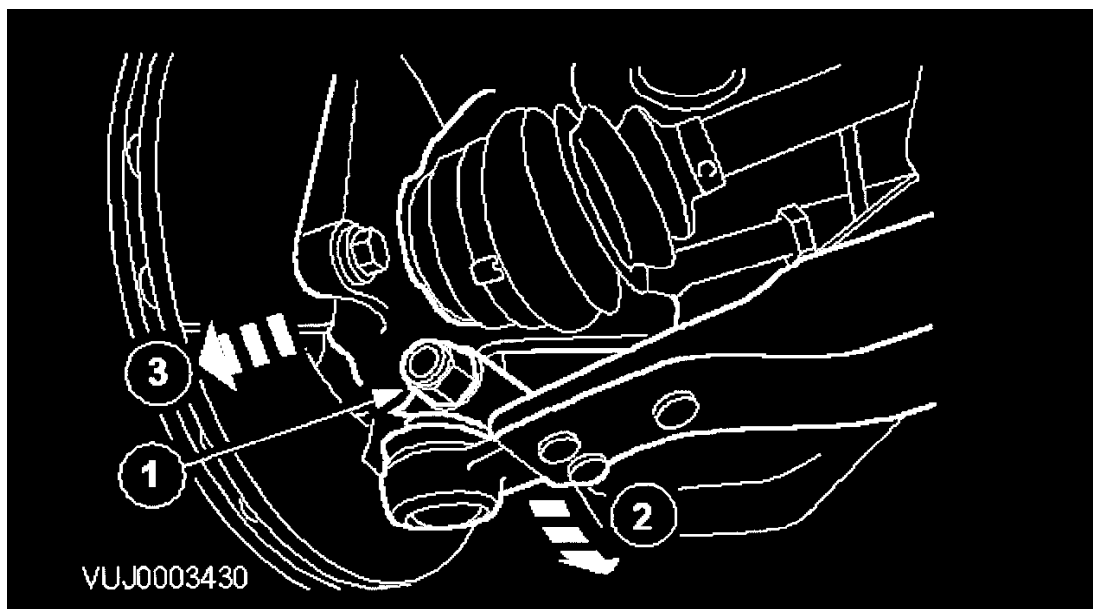
6. Loosen the subframe rear mount bolt.



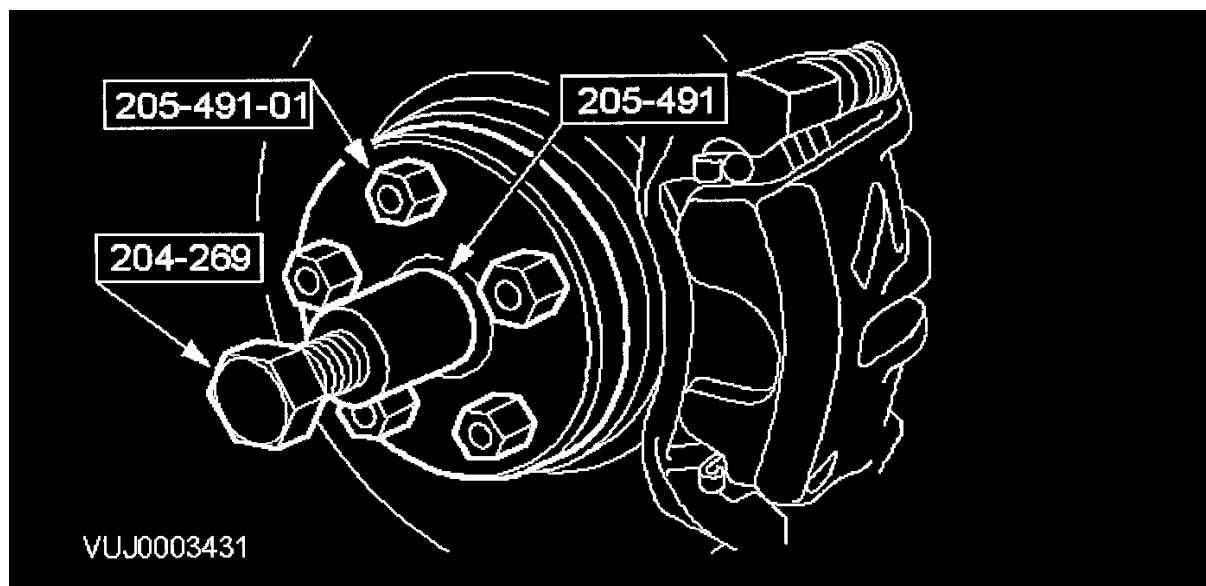
7. Loosen the subframe front mount bolt.



8. Remove and discard the wheel hub nut.

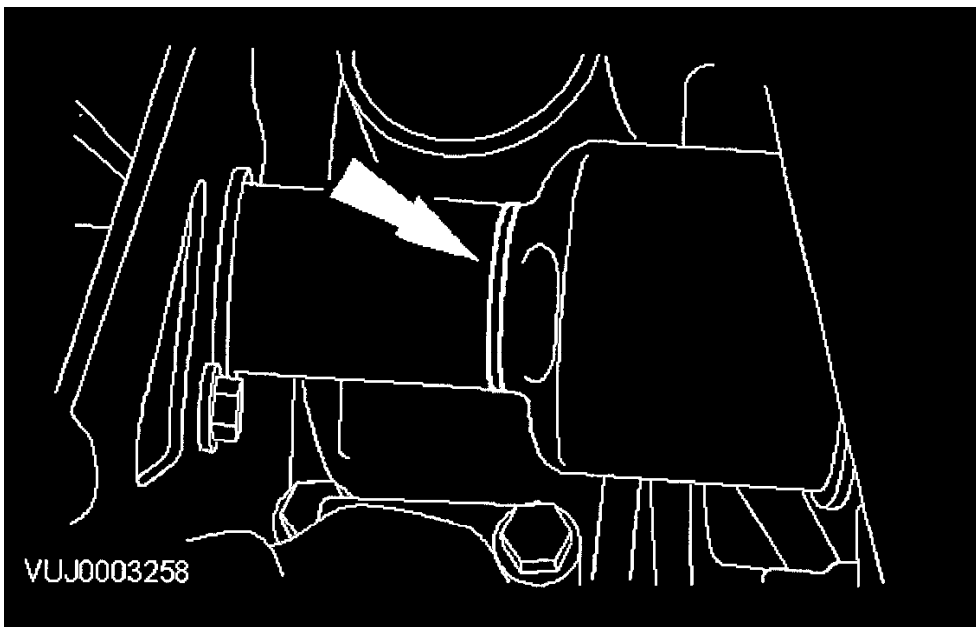


9. Detach the wheel knuckle.
 1. Remove the lower arm ball joint retaining bolt.
 2. Reposition the lower arm.
 3. Detach the wheel knuckle.

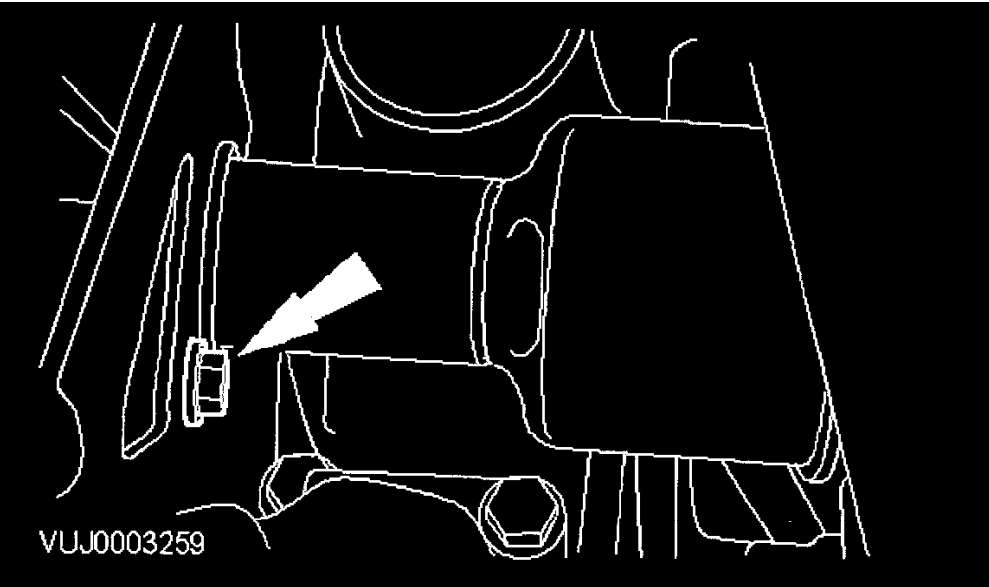


10. Using the special tools, detach the halfshaft.

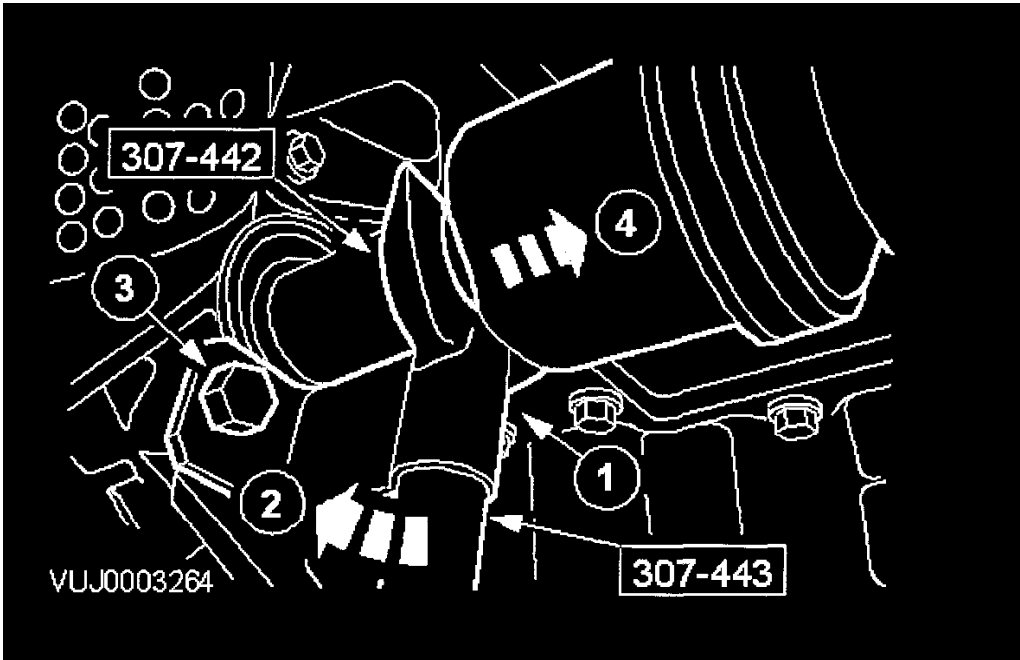
11. Remove the exhaust muffler inlet pipe.



12. Remove the halfshaft seal.



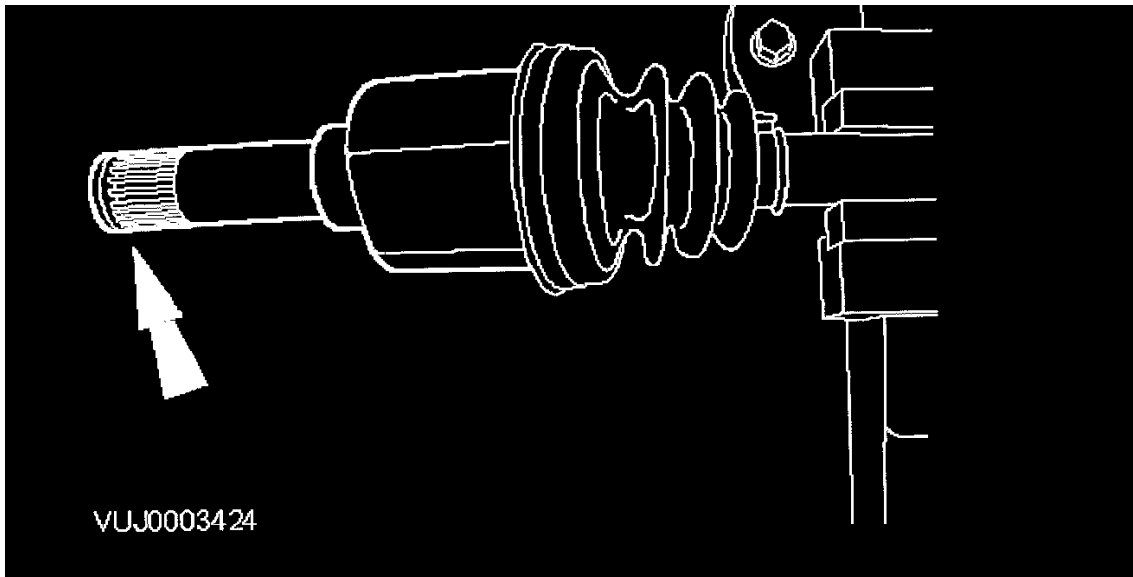
13. Remove the transfer case Y bracket retaining bolt.



14. Using the special tools, remove the halfshaft.

1. Attach special tools to the halfshaft.
2. Lever the special tools to displace the halfshaft.
3. Install the transfer case Y bracket retaining bolt.
4. Remove the halfshaft.

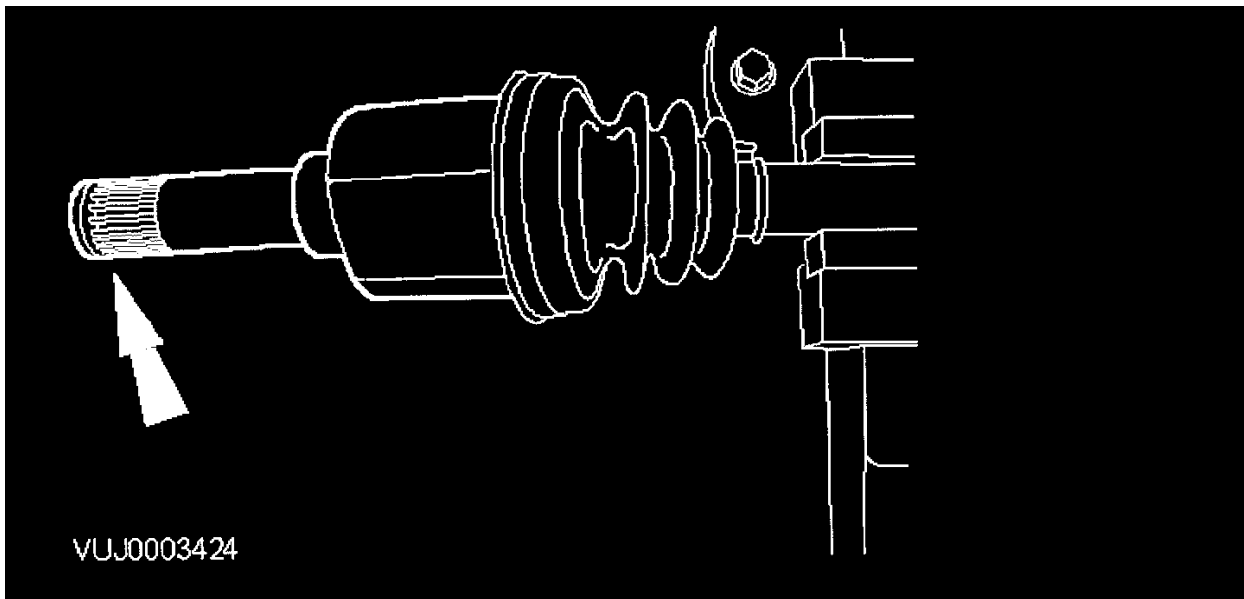
CAUTION: To prevent damage to the transfer box internal seal, make sure that the link shaft is not retracted **further than 200 mm** from the transfer box casing.



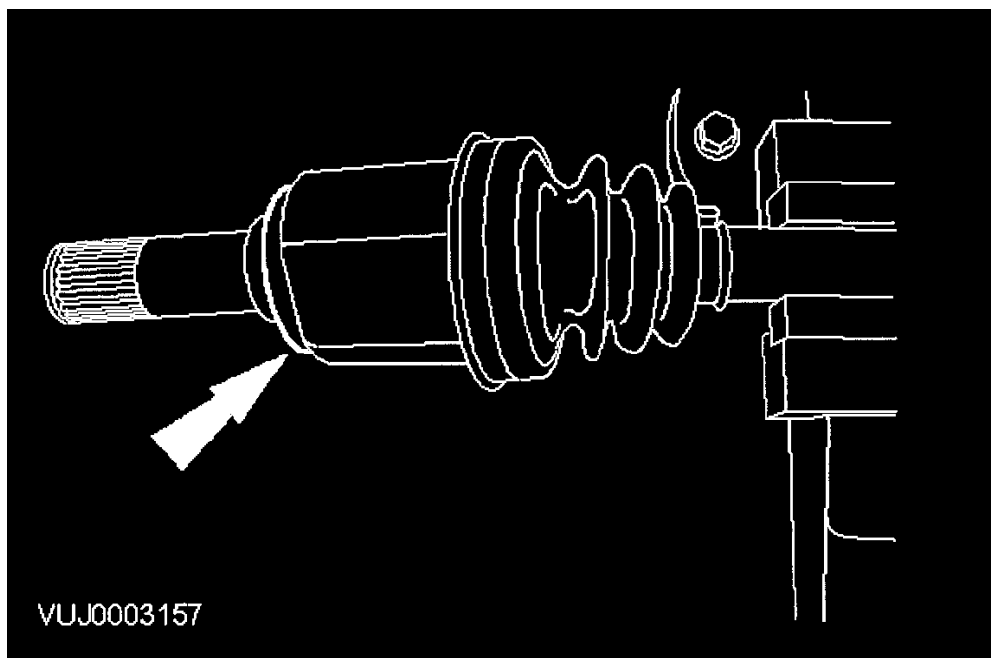
15. Remove the halfshaft snap ring.

CAUTION: Use suitable protective covers to protect the barshaft.

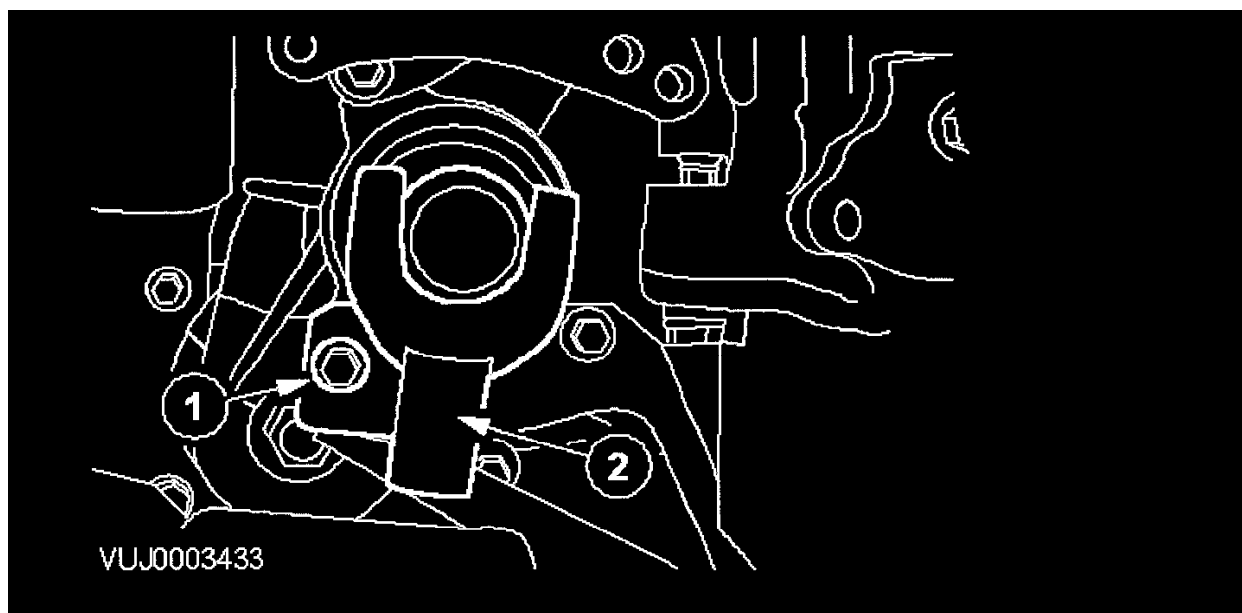
Installation



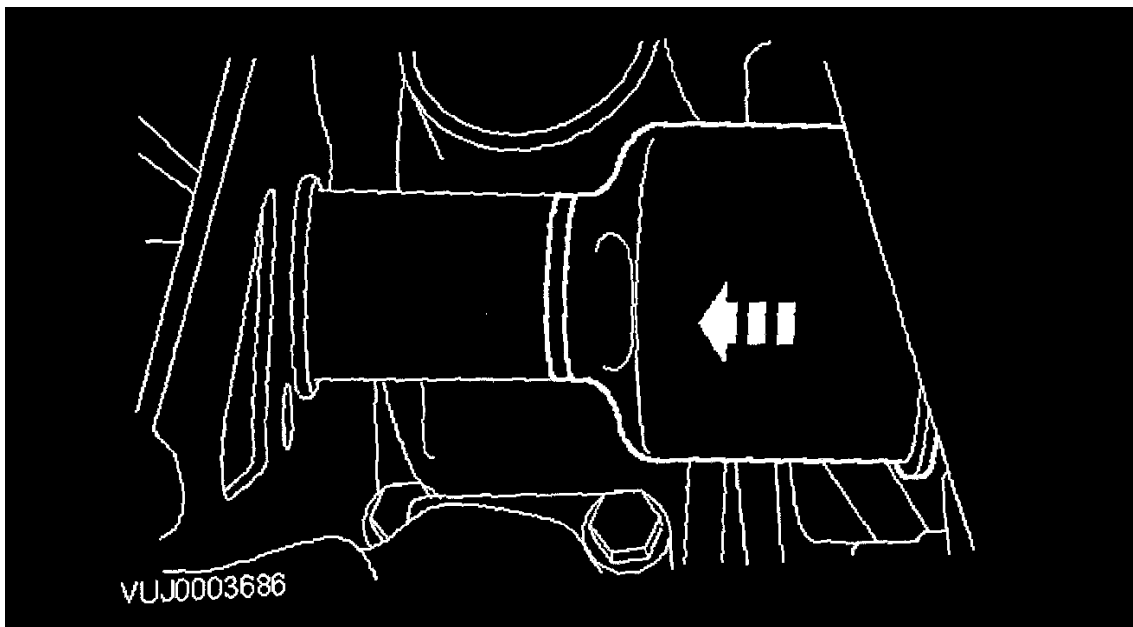
1. Install a new snap ring to the halfshaft.



2. Install a new halfshaft seal.

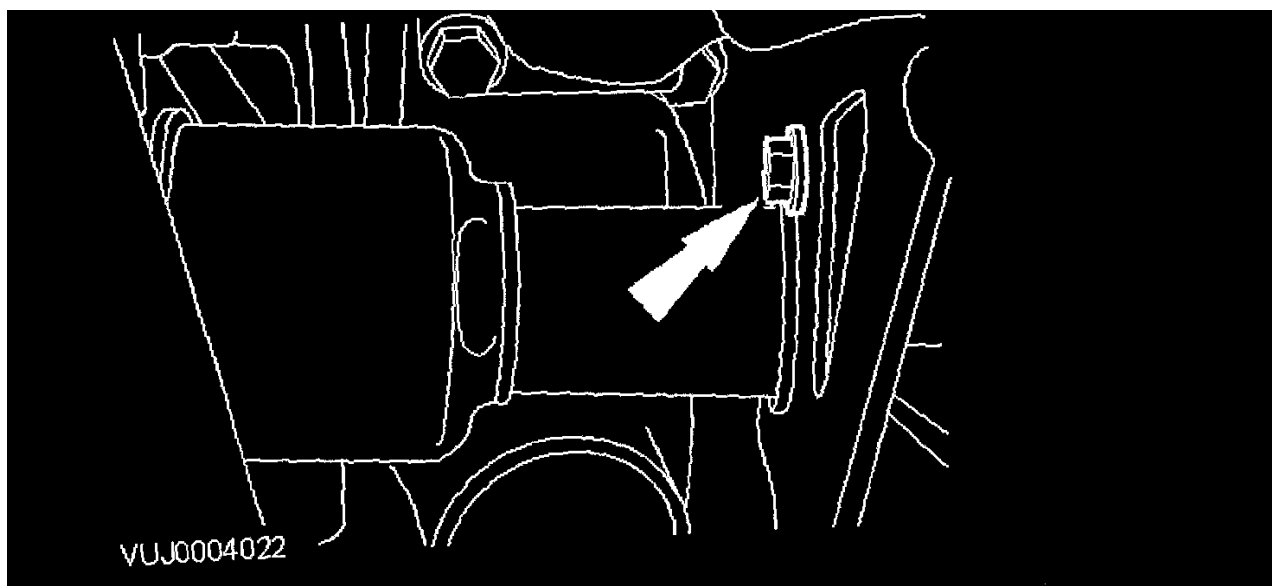


3. Remove the special tool.
 1. Remove the transfer case Y bracket retaining bolt.
 2. Remove the special tool.



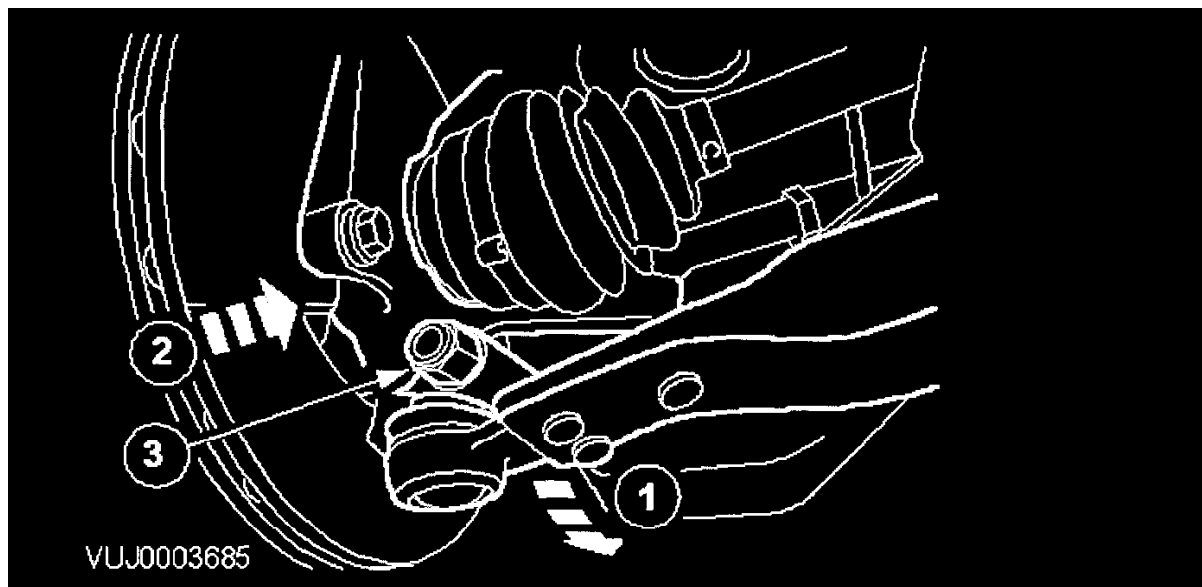
4. Install the halfshaft.

CAUTION: Make sure the CV joint splines are located fully. Do not use excessive force when engaging the CV joint into the link shaft.

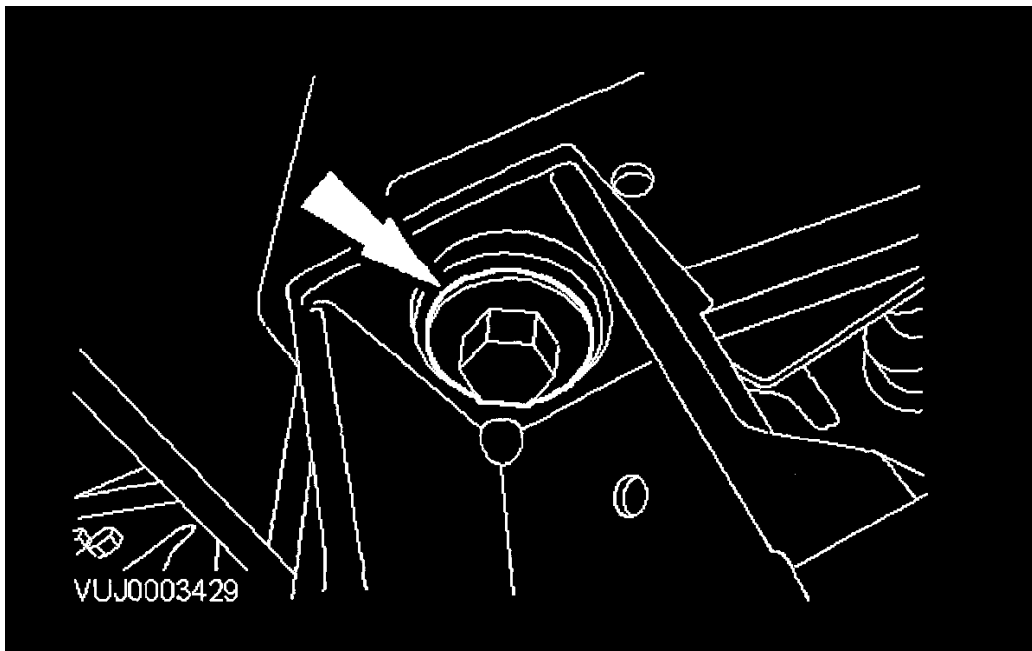


5. Install the transfer case Y bracket retaining bolt.

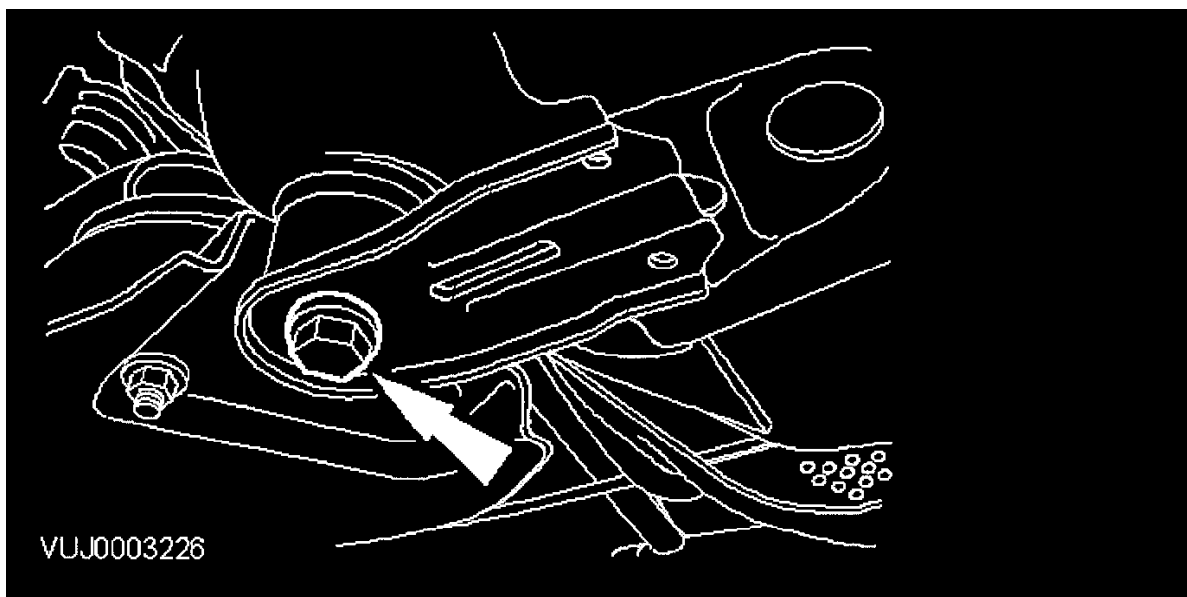
^ Tighten to **25 Nm**.



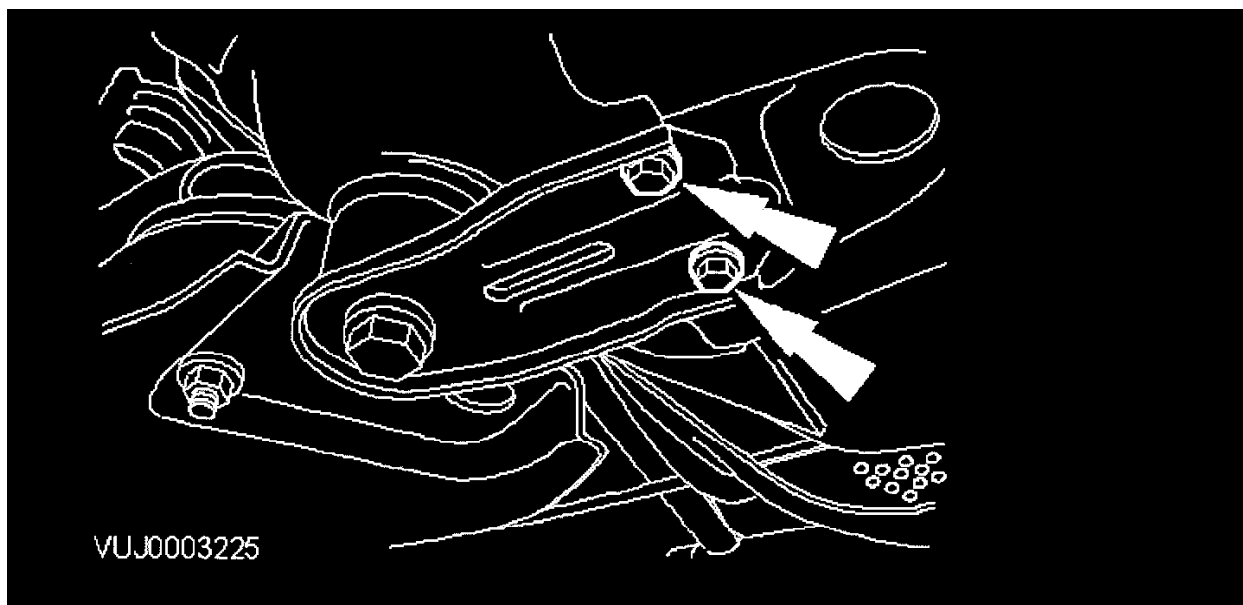
6. Attach the wheel knuckle.
 1. Reposition the lower arm.
 2. Attach the wheel knuckle.
 3. Install the lower arm ball joint retaining bolt.
 - ^ Tighten to **83 Nm**.
7. Install the exhaust muffler inlet pipe.



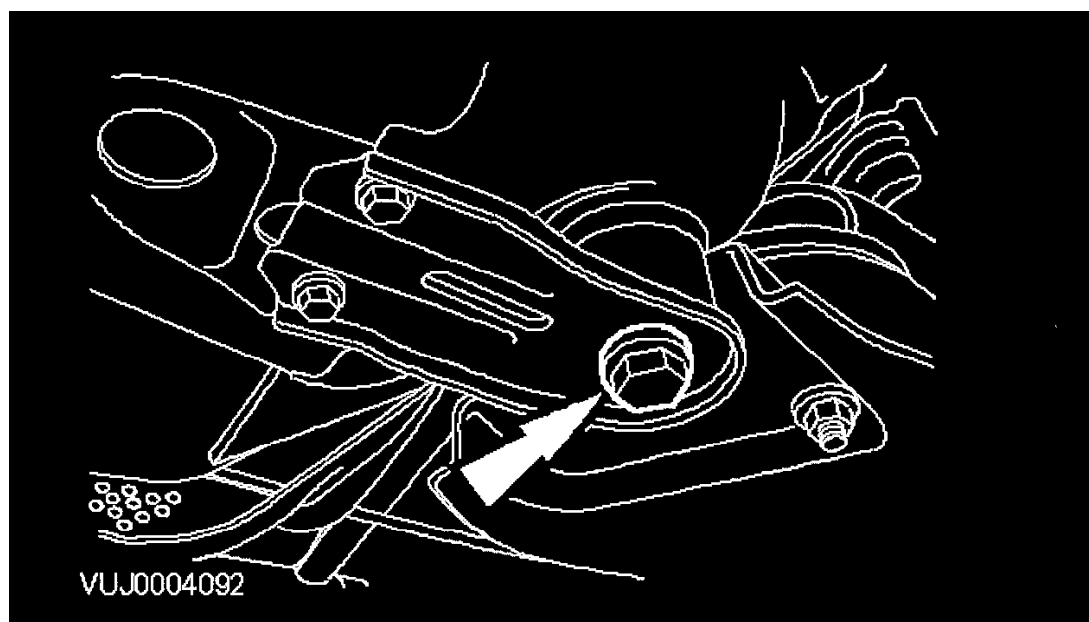
8. Tighten the subframe front mount retaining bolt.
 - ^ Tighten to **142 Nm**.



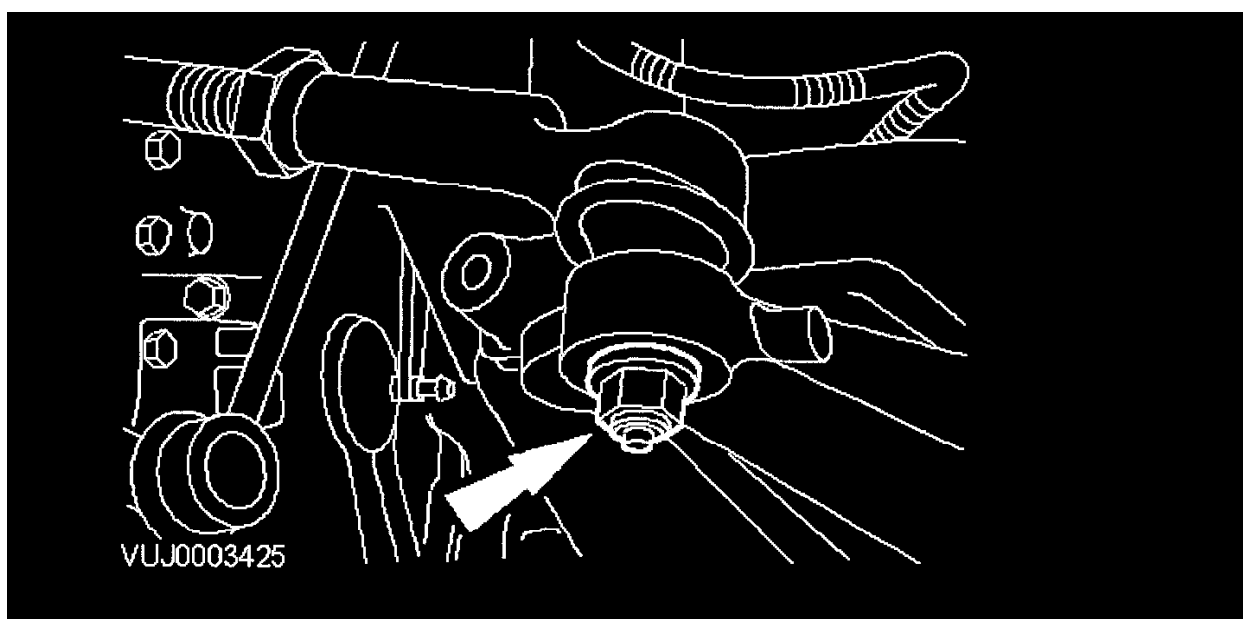
9. Loosely install the subframe rear mount retaining bolt.



10. Install the subframe reinforcement plate retaining bolts.
^ Tighten to **35 Nm**.

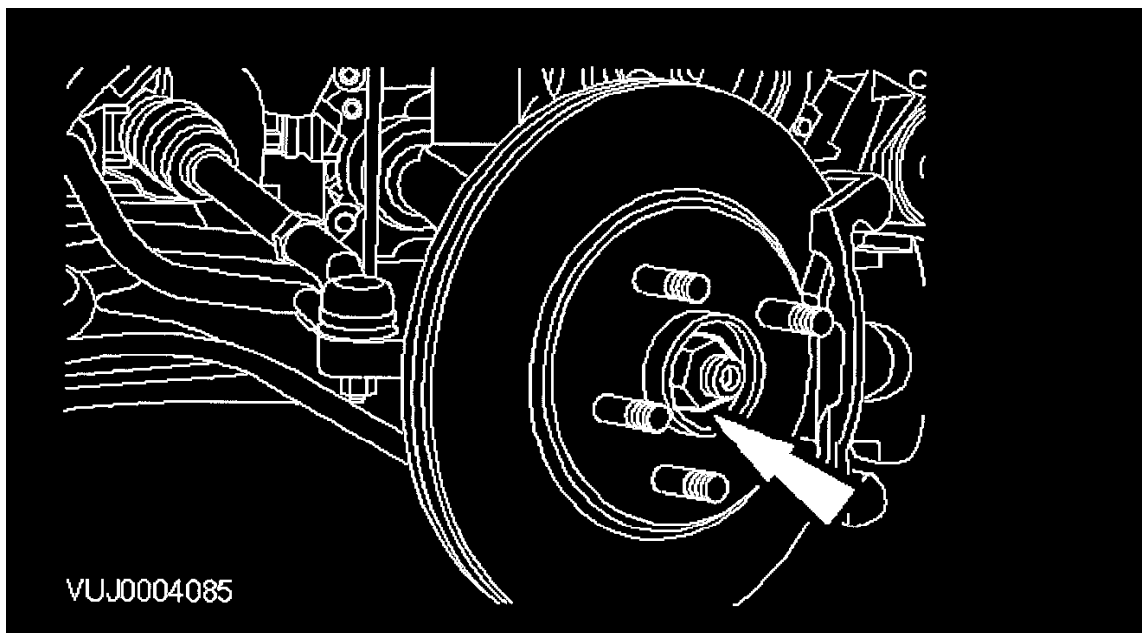


11. Tighten to **142 Nm**.



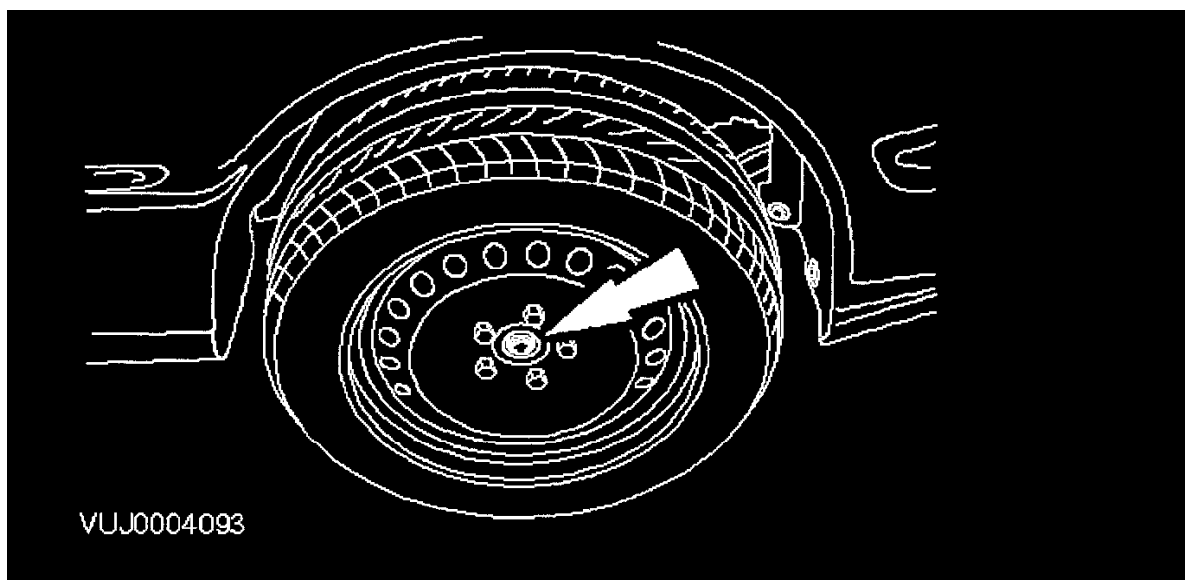
12. Install the tie rod end.

^ Tighten to 35 Nm.



13. Loosely install a new wheel hub nut.

14. Install the front road wheel and tire.



15. Tighten the wheel hub nut.

^ Tighten to 330 Nm.

16. Check the subframe alignment.