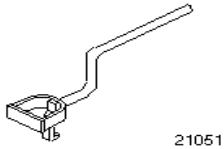


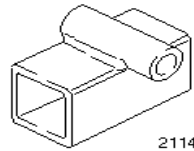
Seal - Crankshaft Front - Renew () (21 467 0)

Special Tools



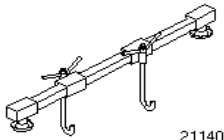
21051

21-051 Remover, oil seal



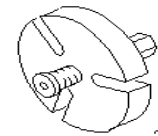
2114002

21-140-02 Adapter



21140

21-140 Support bar, engine damper



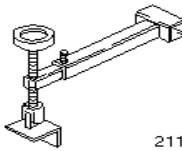
21153B

21-153B Remover, vibration damper



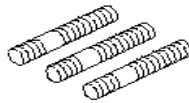
21094

21-094 Installer, oil seal



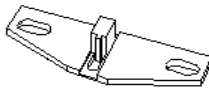
2114003

21-140-03 Adapter



2115301

21-153-01 Guide bolts and remover bolts, vibration

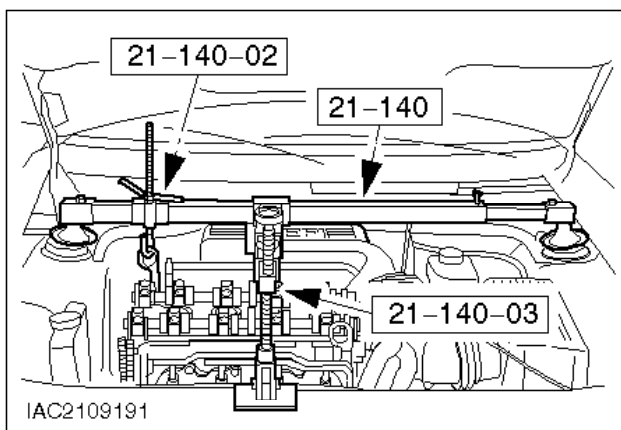


21168

21-168 Locking tool, crankshaft

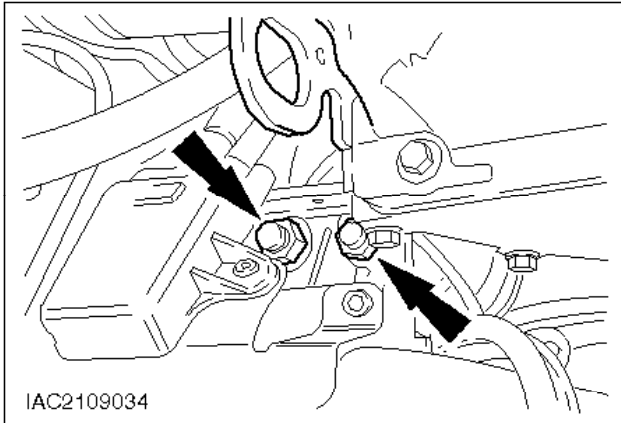
Materials

Description	Specification
Cable ties	

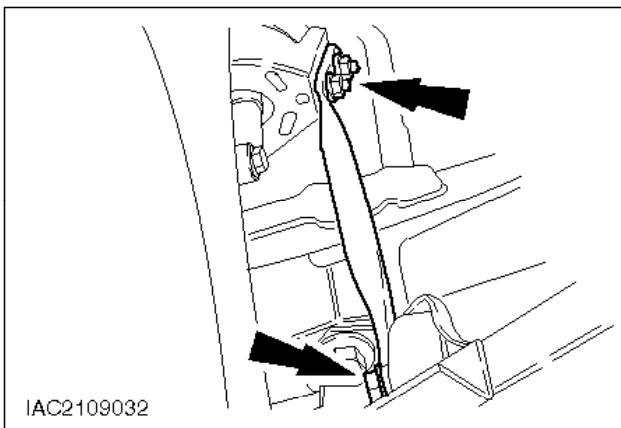


Remove

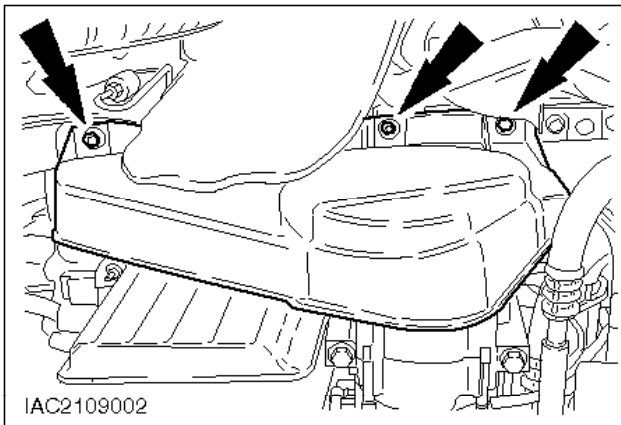
1. Fit the engine support bar.



2. Slacken the front right-hand engine mounting.
Raise the vehicle.

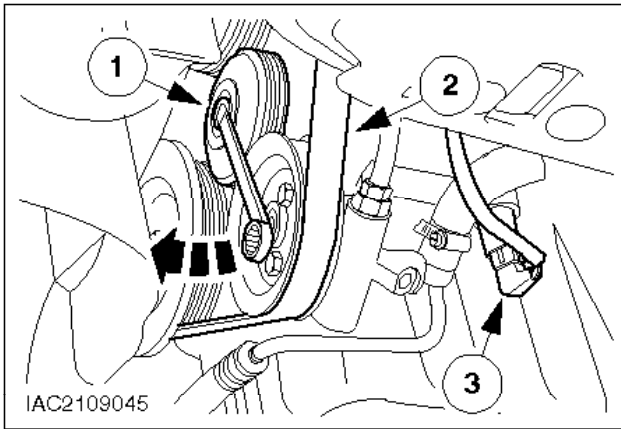


3. Detach the engine mounting brace.
4. Lower the engine by approx. 25 mm on the engine support bar.

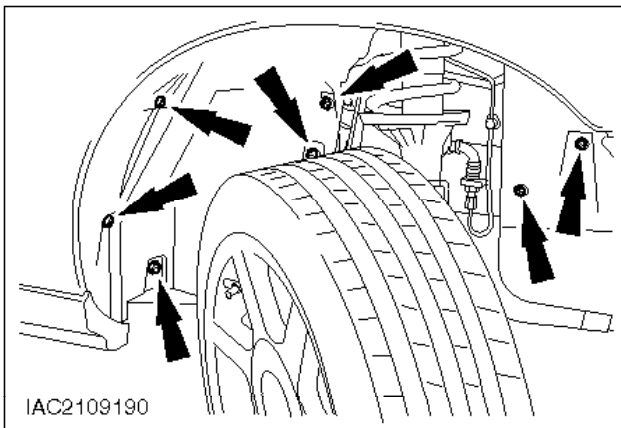


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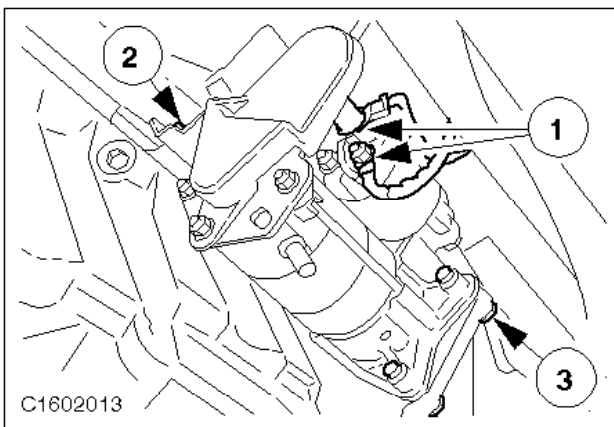
5. Detach the cover of the multi-groove belt.



6. Remove the multi-groove belt.
- 1 Tension the idler pulley (clockwise).
 - 2 Remove the multi-groove belt.
 - 3 Disconnect the plug of the power steering pressure (PSP) switch.
- Lower the vehicle.

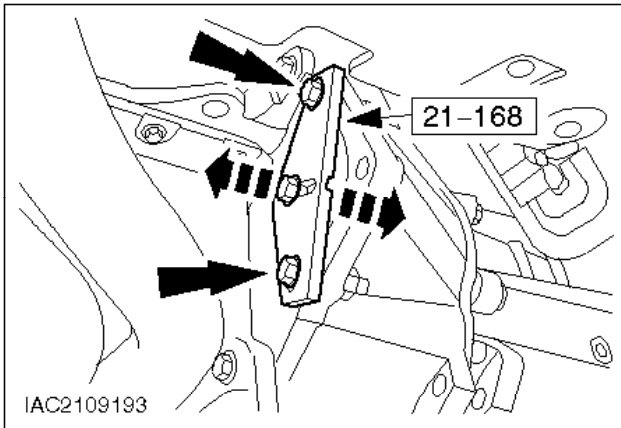


7. Detach the wheel arch trim panel.
- Raise the vehicle.



8. Remove the starter motor.
- 1 Disconnect the wiring.
 - 2 Release the bracket from the cylinder block (one bolt).

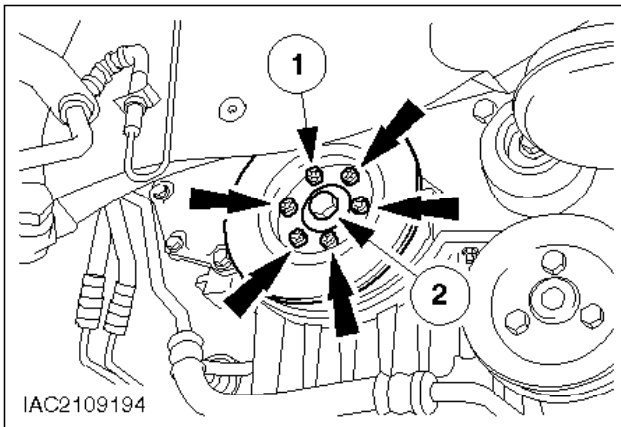
- 3 Detach the starter motor and remove it.



Note:

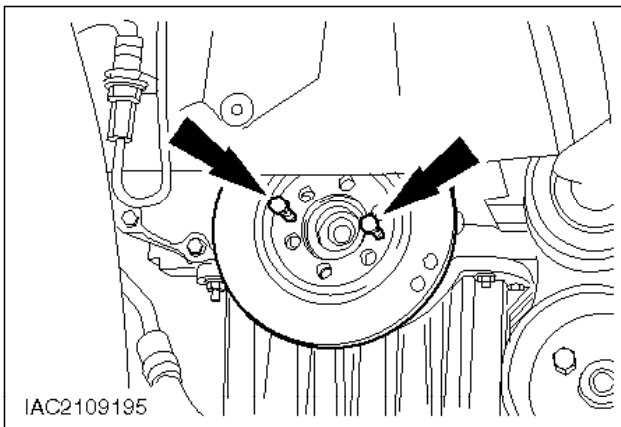
The locking tool must be firmly engaged between the flywheel teeth.

9. Immobilise the flywheel.



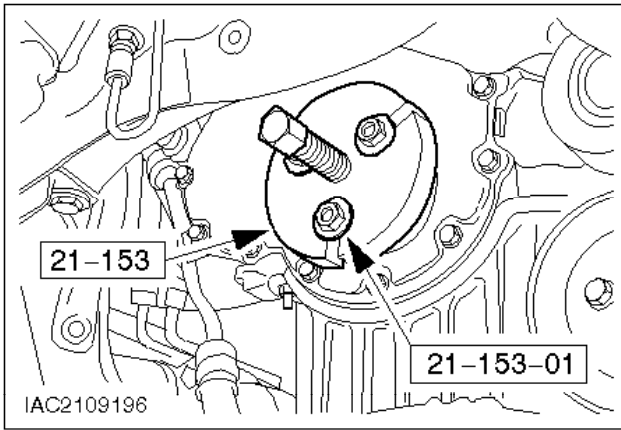
10. Detach the crankshaft pulley/vibration damper.

- 1 Unscrew the bolts.
- 2 Remove the bolt.

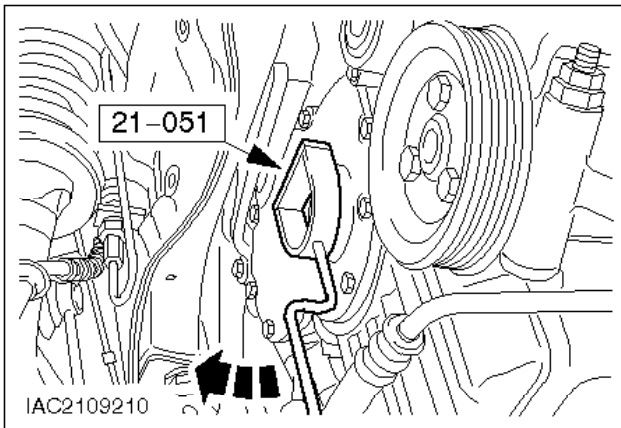


11. Detach the crankshaft pulley/vibration damper (cont.).

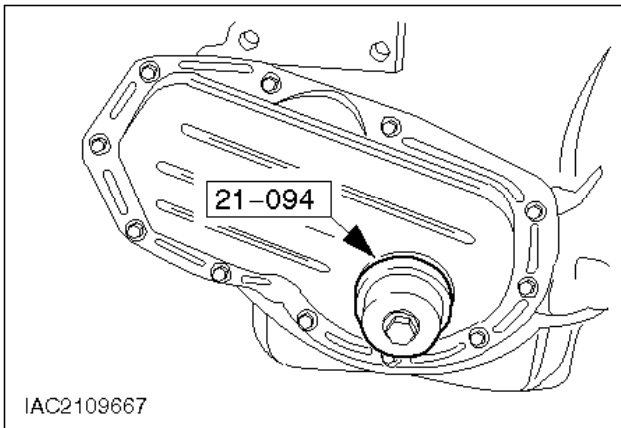
Pull the pulley off the hub using two bolts (M6).



- 12. Detach the crankshaft pulley/vibration damper hub.

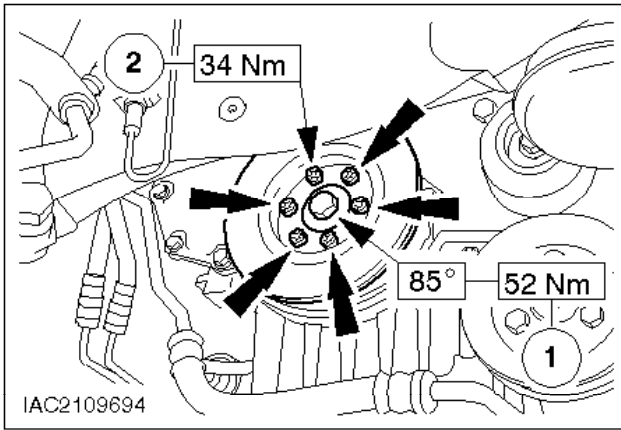


- 13. Remove the front oil seal.



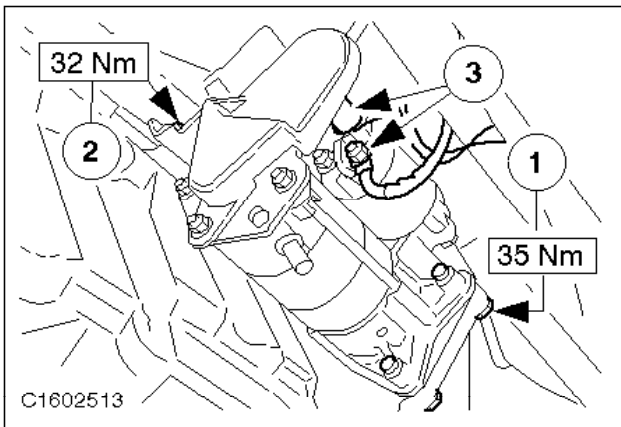
Install

- 14. Install the front oil seal.



15. Attach the crankshaft pulley/vibration damper hub.

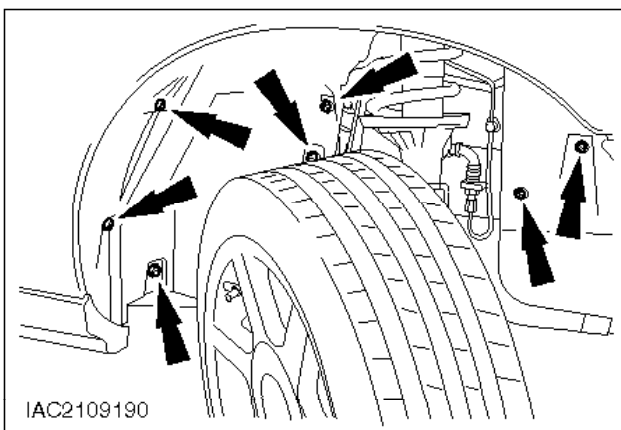
- 1 Tighten the bolt.
- 2 Tighten the bolts.



16. Remove the flywheel locking tool.

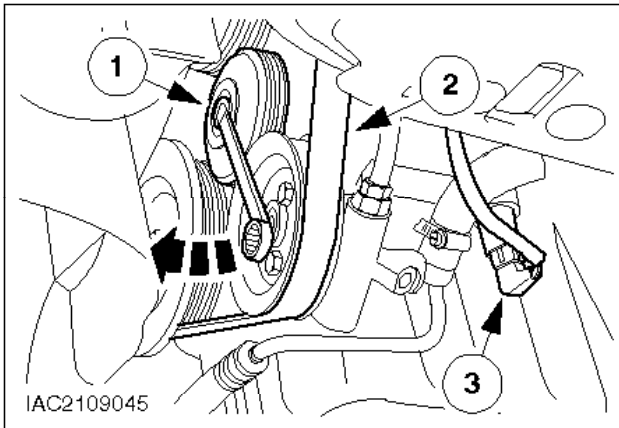
17. Fit the starter motor.

- 1 Tighten the bolts.
 - 2 Attach the bracket to the cylinder block (one bolt).
 - 3 Connect the wiring.
- Lower the vehicle.

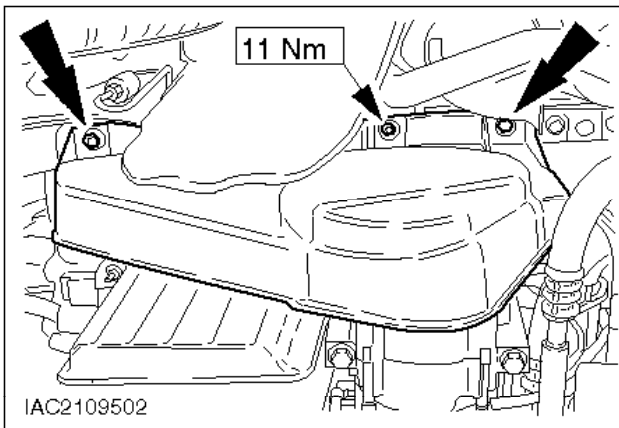


18. Attach the wheel arch trim panel.

Raise the vehicle.

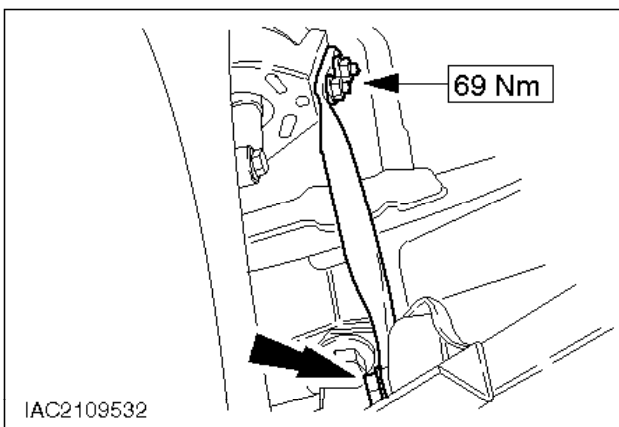


- 19. Fit the multi-groove belt.
 - 1 Tension the idler pulley (clockwise).
 - 2 Put the multi-groove belt in place.
 - 3 Connect the PSP switch plug.

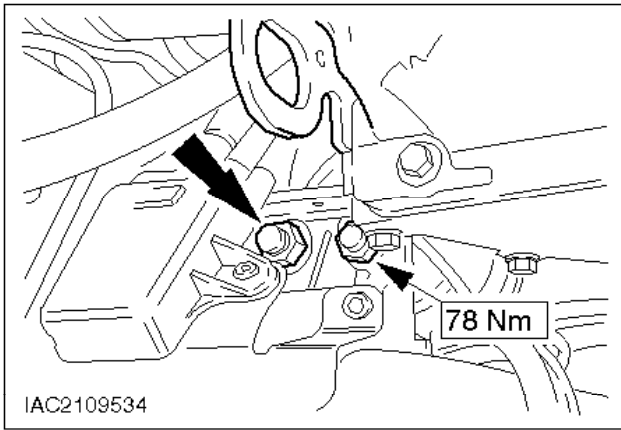


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- 20. Attach the multi-groove belt cover.



- 21. With the engine support bar, locate the engine in position for installation.
- 22. Attach the engine mounting brace.



- ⌚ 23. Attach the front right-hand engine mounting.
 - 24. Remove the engine support bar.
-