



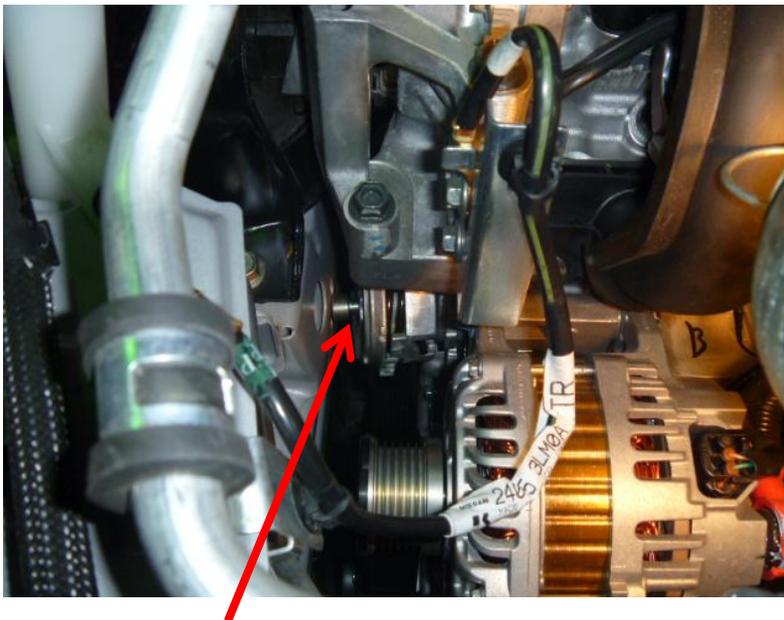
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**NMK20SD508-I6**  
**2013-2016 Nissan NV200**  
**2015-2017 Chevy City Express**  
**2.0L 4Cyl. Gas**

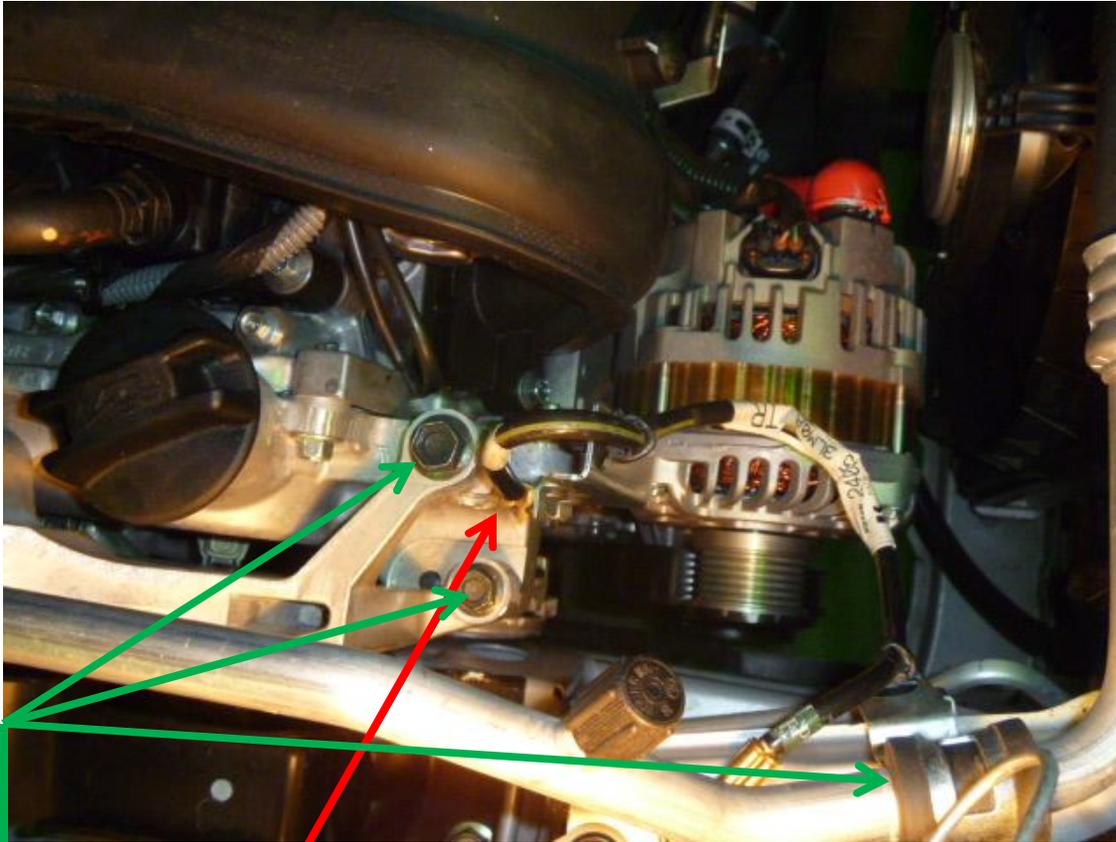
Remove O.E.M. serpentine belt.



Use Gearwrench part number 85035 to remove tensioner by shortening the T50 driver bit to approximately 5/8" as shown above. It may be necessary to use a cheater pipe to get it loose. Don't unscrew the bolt enough to where the tool can't be removed. Use the tips of your fingers to unscrew the rest of the way.



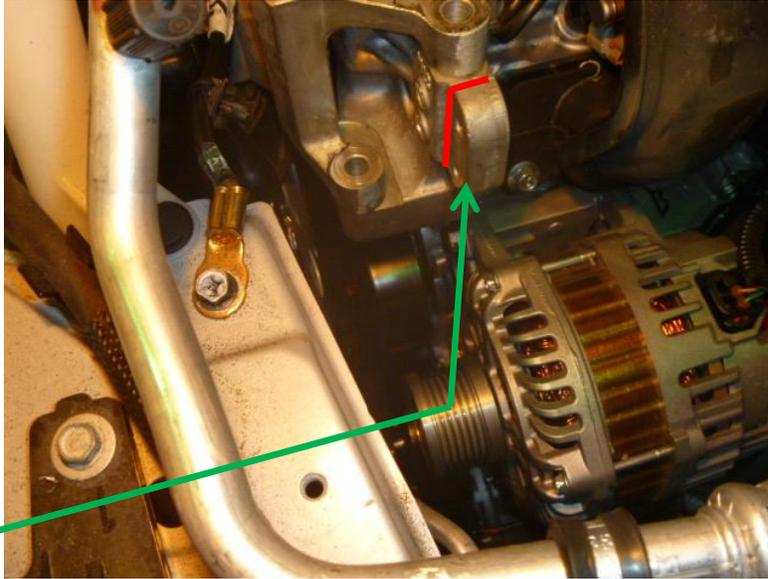
Once bolt is unscrewed, pull bolt head out to the frame of the van while pushing the tensioner up against its mounting location as shown above. Use a pneumatic reciprocating saw to cut the bolt as close to the tensioner as possible (it may be necessary to use a carbide edged reciprocating or sawzall blade). Once this is done, the tensioner should be able to be removed.



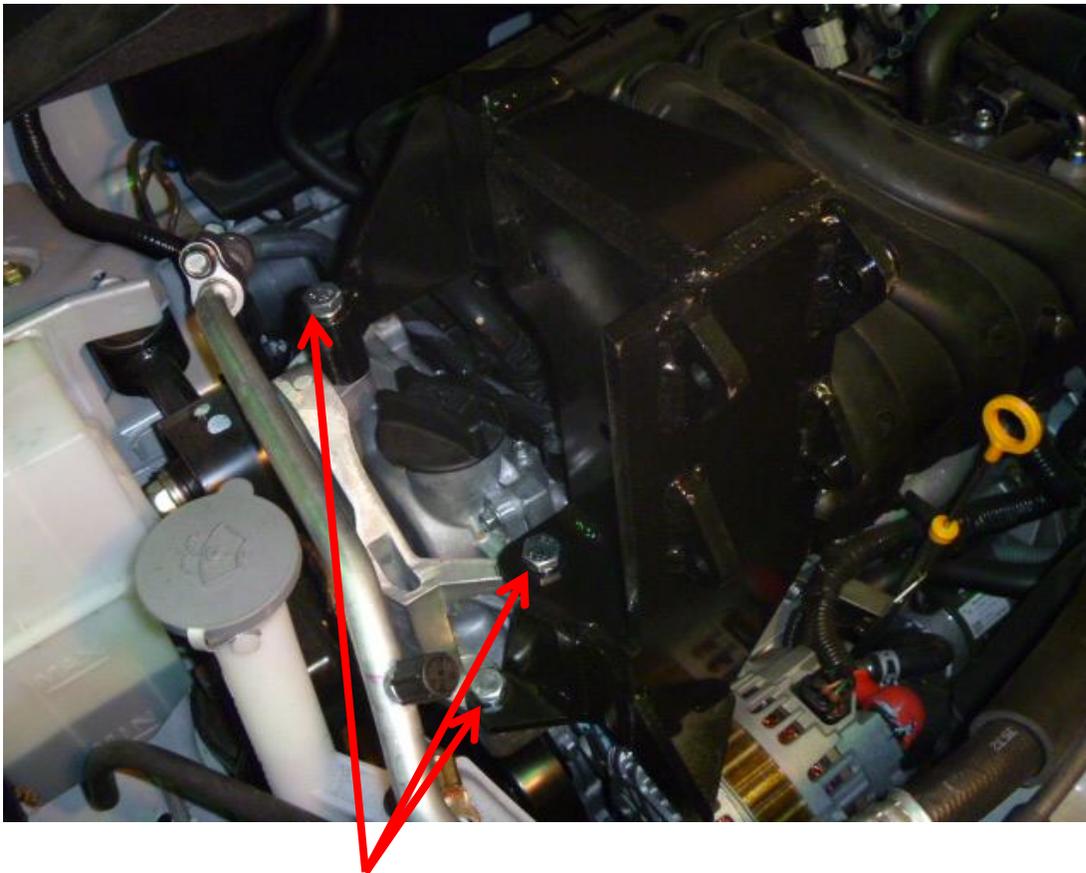
Remove this end of ground cable and remove from clamps. Loosen opposite end of cable so that the ground cable can be installed on the upper left hand side of the timing cover. Remove that timing cover bolt and install the ground clamp reusing the bolt. Tighten both ground clamp bolts.

Install the lower idler mount (6) to O.E.M. tensioner location using the bolt (7) making sure the to line up the alignment pin in the locating hole for the tensioner. Install one of the flat idlers (13) using bolt (5). Support the weight of the engine using a jack underneath the passenger side corner of the oil pan. Do not apply too much pressure, or oil pan damage can occur.

Remove this air conditioner line clamp and the three motor mount bolts (one not shown).



Cut off this boss approximately along the line shown using a sawzall or other suitable tool. Cover the alternator with a rag before cutting to keep shavings out of the alternator.



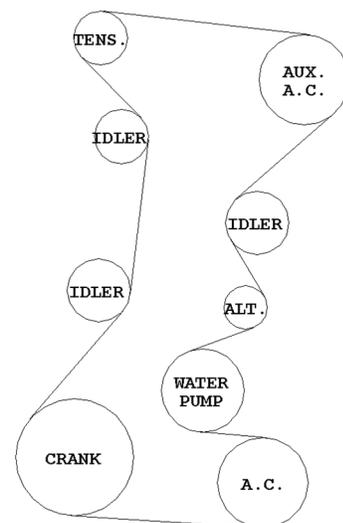
Install main bracket using bolts (2), lock washers (3) and bolt (4). Finger tight all bolts before torquing. Once bolts are tightened the jack can be removed.



Install one of the flat idlers (13) with short bushing (14) and bolt (7) to lower mount on main bracket. Install the idler with shoulders on both sides (15) with long bushing (16) and bolt (4) to upper idler mount on main bracket. Install tensioner (11) to main bracket using nut (12). After moving the factory air conditioner line out of the way, install aux. air conditioner compressor using bolts (7,20), nuts (12) and slide bushings (21).



Secure the O.E.M. air conditioner line to upper radiator support with bracket (8) using bolts (9,18), lock washers (10,19), and wire loom clamp (17) as shown above.



Install new belt (22) according to the belt diagram.



## PARTS LIST

- |                             |                                  |
|-----------------------------|----------------------------------|
| 1. NMP20SD508-I6 (1)        | 12. 10mm Flange Nut (3)          |
| 2. 10mm x 45mm (2)          | 13. 89006 (Flat Idler) (2)       |
| 3. 10mm Lock Washer (2)     | 14. NMB201 (Short Bushing) (1)   |
| 4. 10mm x 80mm Flange (2)   | 15. IPCS-20 (With Shoulders) (1) |
| 5. 10mm x 20mm Flange (2)   | 16. NMB202 (Long Bushing) (1)    |
| 6. NMB204 (1)               | 17. #10 Wire Loom Clamp (1)      |
| 7. 10mm x 40mm Flange (4)   | 18. 1/4" x 3/4" (1)              |
| 8. NMB206 (1)               | 19. 1/4" Lock Washer (1)         |
| 9. 8mm x 40mm (1)           | 20. 10mm x 30mm Flange (2)       |
| 10. 8mm Lock Washer (1)     | 21. 1255-0090 Slide Bushing (2)  |
| 11. 89251-051 Tensioner (1) | 22. 5060860 Belt (1)             |