



5-0 IGNITE SR20DET – QUEST 125A ALTERNATOR INSTALLATION GUIDE

This installation guide is applicable to the following vehicle make and models;

- Nissan Silvia (ALL MODELS) – SKU# 50IGNSRQUESTALT

Engine: SR20DET

Please read this installation guide carefully prior to installing the product.



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INTRODUCTION

Thank you for purchasing 5-0 Ignite SR20DET to Nissan Quest 125A alternator conversion kit. We have done all the hard work to ensure that your installation is a breeze and clean. Your kit should include the following items;

- 1x Billet aluminium upper mounting adapter
- 1x Spacer
- 1x Adjuster Block
- Assorted fasteners for the installation
- 1x Pulley

Installation time is typically 40 mins, depending on your engine setup, requiring basic set of mechanical skills and hand tools.



INFORMATION AND LIMITATIONS

- This installation guide covers the aspects of adapting the Nissan Quest 125A alternator onto your SR20DET utilising the 5-0 Ignite conversion kit. **Refer to FSM on how to remove/replace your alternator or seek a qualified mechanic.**
- **Alternator is NOT supplied – Mounting Kit Only.** We use and recommend the following aftermarket Nissan Quest alternator to ensure correct fitment without further modifications and can be easily purchased online elsewhere at better deal;

Brand: TYC

Part No.: 2-13821 (brand new aftermarket unit, not refurbished)

OEM Part No.: 231007B000R (1999-2002 Nissan Quest VG33E)

- Belt to use: 5PK960 Micro-V (may vary slightly if you're using aftermarket crank pulley and/or water pump pulley).

PROCEDURE

1. Disconnect/remove battery.
2. Disconnect wiring harness, remove belt and remove your existing alternator and the factory steel upper alternator mounting bracket.
3. Install the supplied pulley. Impact wrench allows the removal and tightening of the pulley nut easier.
4. Drill the split pin on the Nissan Quest alternator to 10mm (figure 2).
5. Drill the front alternator mounting hole to 10mm diameter (figure 2).
6. Flatten the casting tab from the alternator top mounting lug back side (figure 3).
7. Pre-assemble the top billet mounting bracket components but do not fully tighten (figure 4).
8. Install the alternator to your engine. Apply loctite to the top mounting bracket bolt threads but do not tighten completely. Swing the alternator to its full adjustment range back and forth to align the bracket then torque upper mounting bracket bolts to ~27Nm (figure 5).

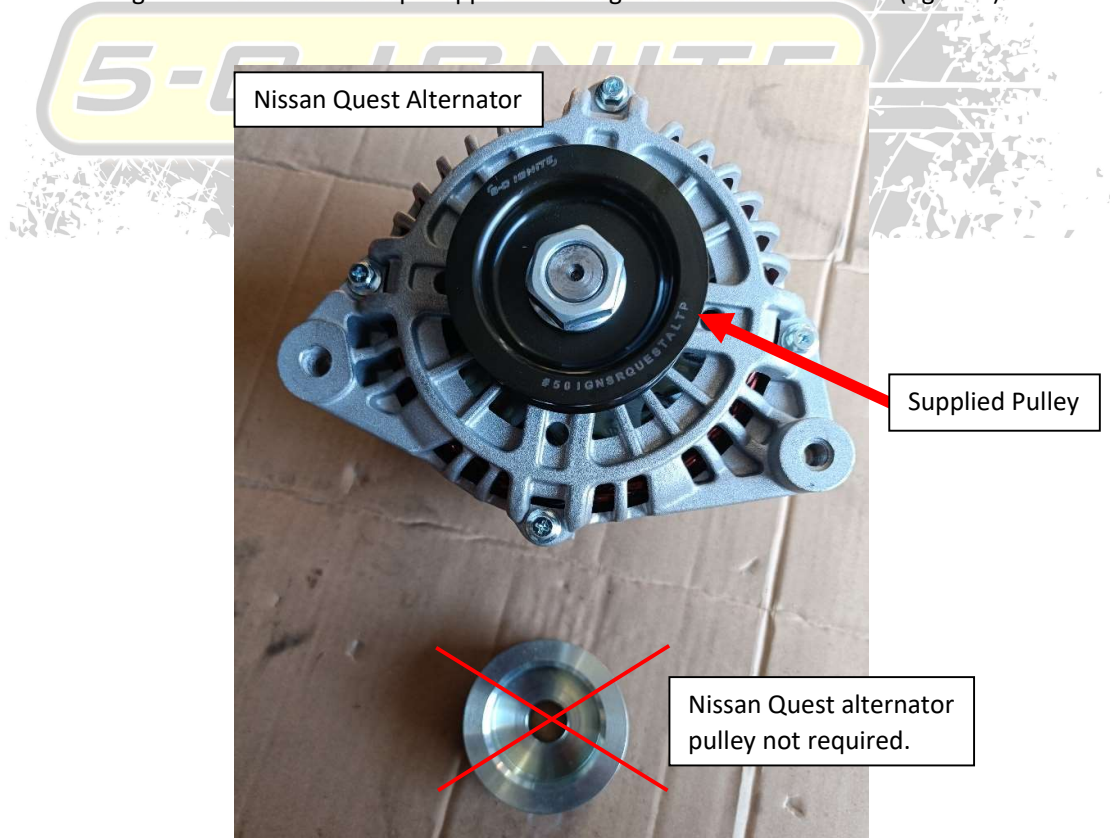


Figure 1 – Install the supplied pulley

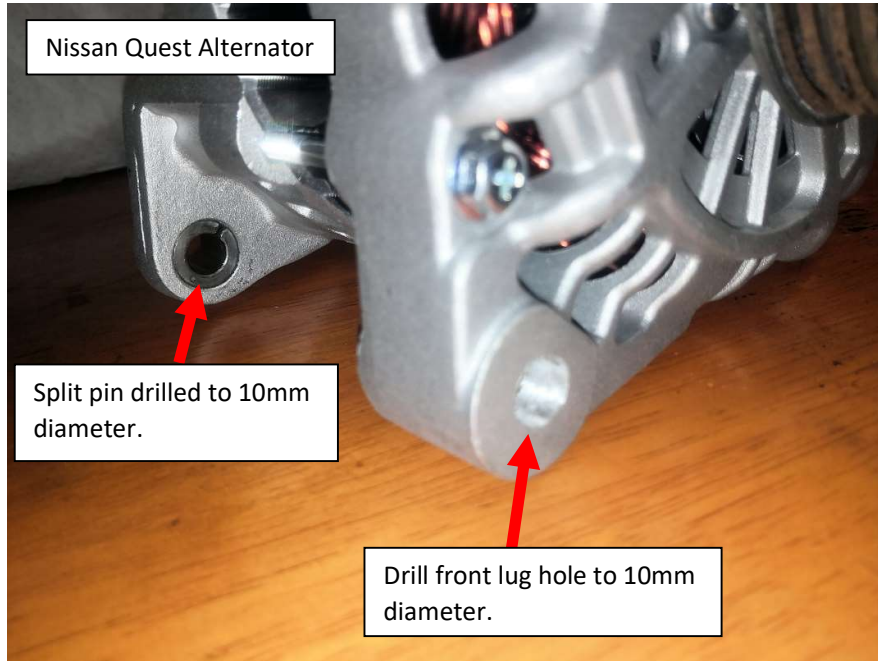


Figure 2 – Drill Split Pin and Front Lug Hole

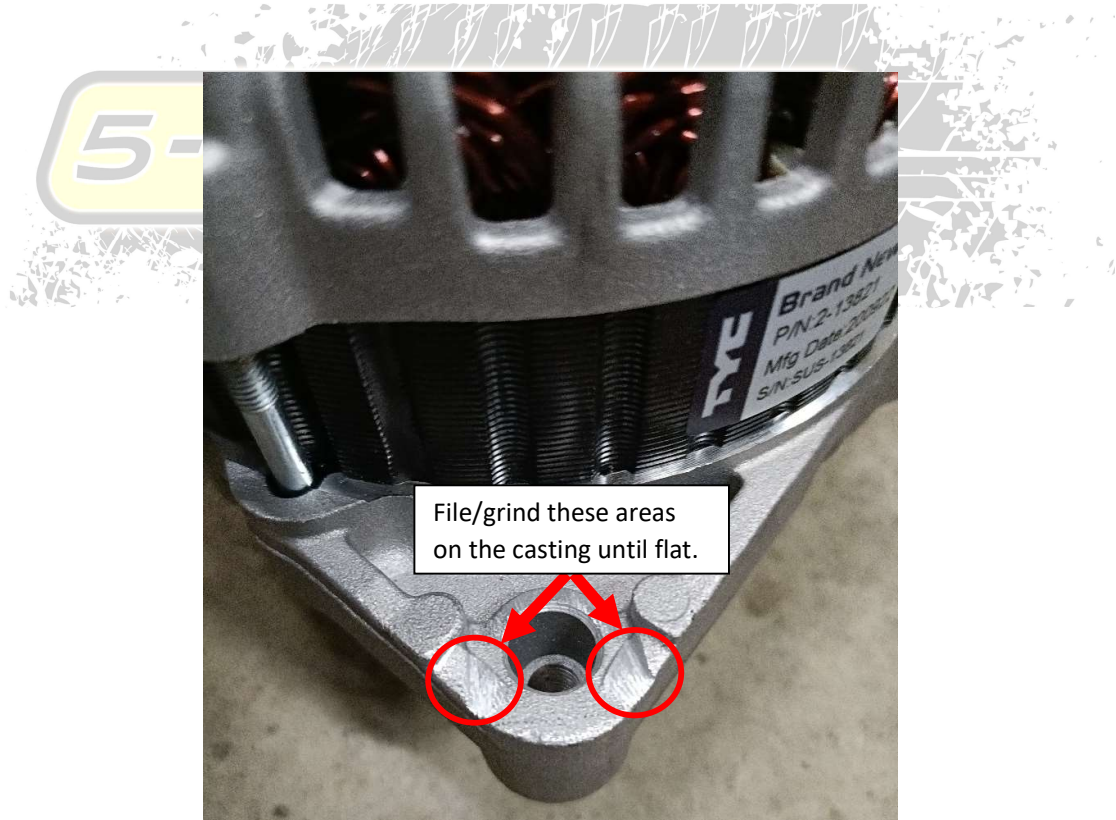


Figure 3 - Flatten the casting tab from the alternator top mounting lug backside

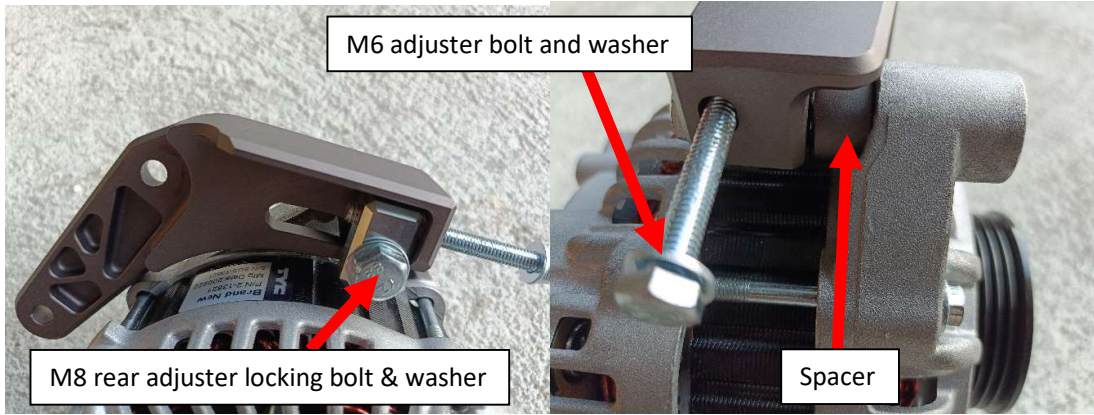


Figure 4 - Top mounting bracket pre-assembly

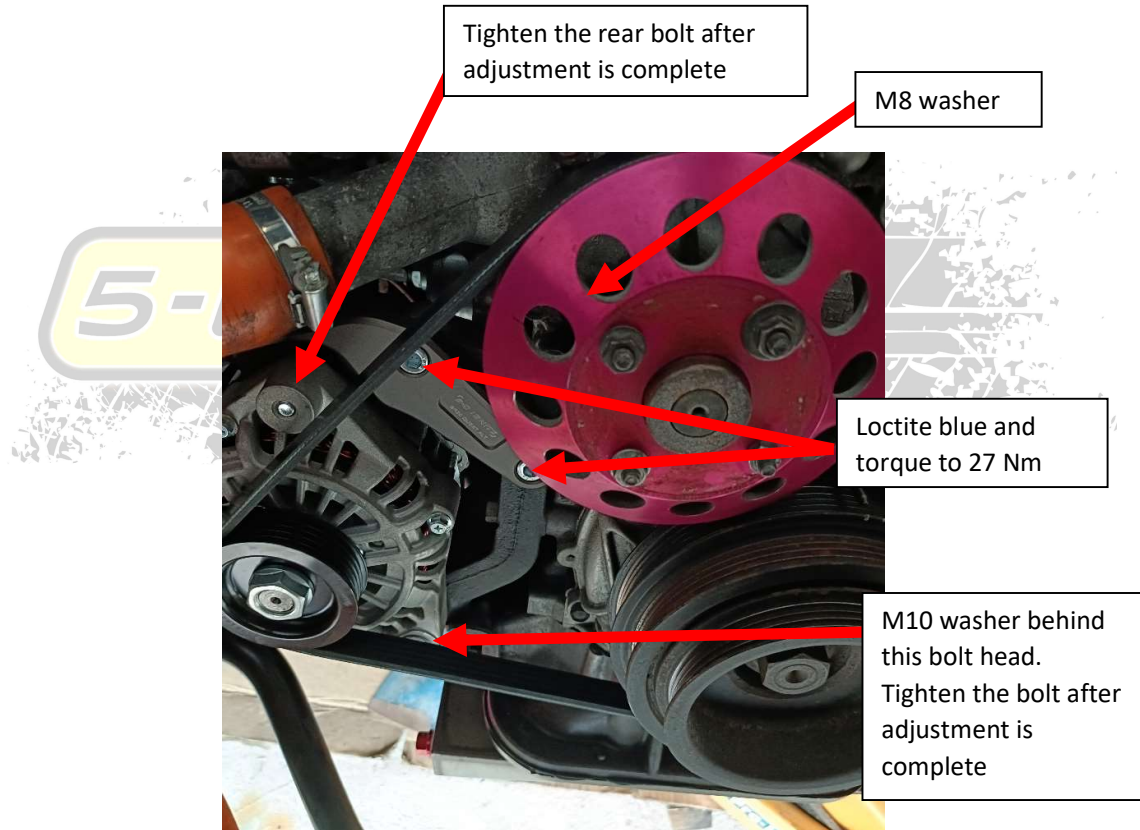


Figure 5 - Install the Alternator and the Mounting Adapter

R32 SKYLINE / RB30 / S13 – SPECIAL INSTRUCTIONS

- **Alternator Power (+) Positive Cable Terminal**

OEM terminal/lug on the R32/R31/VL Commodore/S13 is to suit M6 stud. This needs to be cut and re-crimped with a terminal/lug (commonly available from your local auto parts store) that suits 8mm stud.

9. Install and tension the drive belt. Tighten the alternator main mounting bolt and adjuster locking bolt.
10. Re-connect wiring harness (positive terminal, ground rings and the 2-pin connector).

CONCLUSION

Installation is now complete. Re-check all steps in the procedure, if all good, re-connect battery and start the engine. Ensure that voltage is above 13.7 V when the engine is running and the drive belt is sufficiently tensioned.

