



Installation Manual

RB To GM Alternator Conversion Kit

PFEPM38247-RB



Included Items	QTY
PFEPM38247 140 Amp GM LS Alternator	1
Alternator Conversion Kit (bracket and bolts)	1
4-Groove Pulley	1

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

Description

The Proflow Performance alternator conversion kit for Nissan RB engines allows you to mount a GM LS 140 amp alternator to your RB20, RB25, RB26 or RB30 engine. This kit is plug and play for RB20/25/26 models but some RB30's will require a different electrical plug depending on the model of the vehicle.

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EMAIL: sales@proflow.com.au
PHONE: 1300 879 879

Typical Installation

1. Disconnect the main power feed to your old alternator. Remove the earth wire from the alternator (some cars may not have this).
2. Loosen the alternator bottom and top bolt and loosen the tensioner.
3. Remove belt from alternator pulley and keep the nut which will be used to install your new alternator.
4. On the GM alternator, remove the original pulley and fit the new 4-groove pulley to the alternator. Replace the ring terminals on the car and replace them with M8 terminals to suit the GM alternator.
5. Place the alternator in position with the sensor plug facing away from the engine.
6. Fit the supplied long M10 bolt with a spring washer and flat washer and install on the lower mounting hole of the alternator and use the factory nut to tighten it (do not fully tighten this yet as adjustments may need to be made).
7. Swing the alternator toward the block and fit the belt over the pulley.
8. Fit the top mounting bracket with the M10 hole to the alternator and the M8 hole to the original adjuster (see below figure).
9. Install the original M8 bolt through the adjust block and into the new top mount bracket.
10. Adjust belt tension and tighten the bolts as per Nissan OEM specification.
11. Install the new M5 screw with a spring washer and flat washer and secure the earth cable to the back of the alternator.
12. Secure the battery cable to the alternator with the battery post and nut supplied.
13. Reconnect all necessary plugs/sensors and check to see if all bolts are tightened as necessary.



Figure 1: Photo of GM Alternator mounted to RB Engine

PROFLOW LIMITED WARRANTY

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This Proflow product is warranted to be free from defects in materials and workmanship for a period of one year from the original date of purchase. No warranty claim will be valid without authentic, dated proof of purchase. This warranty is to the original retail purchaser and none other and is available directly from Proflow and not through any point of distribution or purchase.