

## ALTERNATOR KIT

### FITTING INSTRUCTIONS

1. Before doing any work on the car, disconnect the battery by removing the negative cable first then the positive.
2. If a 6 Volt system is being replaced by a 12 Volt system make sure that the starter motor, the bulbs and instruments are compatible with a 12 Volt supply. You will also need a new 12 Volt alternator pulley.
3. Before removing the old generator/alternator you must also remove the air cleaner and carburetor. The fan shroud must be disconnected from the cylinder head tin on either side of the engine.
4. Remove the fan from the generator/alternator shaft by undoing the 21MM nut on the far side of the fan shroud. To prevent the shaft turning it can be locked with a screwdriver placed in the inner pulley notch. The fan should be left inside the fan shroud.
5. Remove the fan belt by taking the pulley off the old generator/alternator. Remove all existing heads from the generator/alternator carefully noting their positions.
6. Undo and remove the four bolts that hold the fan cover to the fan shroud, noting the position of the cover for reassembly.
7. Loosen the generator/alternator mounting strap and push it forwards towards the fan shroud.
8. Lift the generator/alternator away from the car together with the fan cover assembly. Note how the fan cover is positioned in relation to the fan shroud and the generator/alternator for replacement purposes.
9. Separate the generator/alternator from the fan cover by removing the two nuts.
10. Remove the existing generator/alternator stand and replace with the new stand provided.
11. Assemble the new alternator and fan cover provided in the kit. Make sure the positioning is as noted in 8 above.
12. Mount the fan cover and alternator assembly to the fan shroud taking care that the positioning is correct as noted in 6 above.
13. Replace the alternator strap making sure it is securely tightened down, then replace the fan on the alternator shaft.
14. Replace the pulley, shims, retainer and nut. Make sure both halves of the pulley are correctly aligned with the tabs on the front half matching up with the openings on the rear half. Replace and adjust the fan belt.

15. Re-fit the fan shroud to the cylinder head tin, replace the carburetor and air cleaner.
16. Connect the starter motor wire to the B+ terminal on the alternator, then connect the ignition warning light wire to the D+ terminal on the regulator.
17. Check all connections and mountings for tightness etc, then reconnect the battery, positive terminal first then negative.
18. Quickly flick over the engine to bed in the alternator belt then check it for the correct tension. Adjust it as necessary by adding or removing shims from between the two halves of the pulley.
19. Start the engine and check that the alternator is charging correctly. If all is well the red ignition warning light will go out at normal idle speed. If the light remains on, check all connections and also the tightness of the belt. If the light still stays on, a complete check of the wiring and electrical system will have to be carried out.

