

C6958 How to Install an Alternator in Place of Your Generator

Make the Following Mechanical Changes

1. Disconnect the battery positive terminal.
2. Disconnect the wires from the generator and regulator.
3. Remove the generator and regulator.
4. Remove the idler pulley, oil filter, fuel pump, and oil pressure sender from the generator/ oil filter adapter.
5. Remove the generator/ oil filter adapter.
6. Clean the gasket surfaces and install the alternator/ oil filter adapter casting using the new gasket.
7. Reinstall the items removed in step 4.
8. Mount the alternator. Note that the battery ground strap bolts to the cylinder head at the alternator brace.
9. Mount the voltage regulator in the approx. location of the original. Since the mounting varies for different years & models, we'll leave this simple hardware up to you. Be sure the voltage regulator is well grounded to the body or it will not work correctly!

We have included the alternator mounting hardware (EXC. C2057KW)

1. C4362- Bottom bracket bolt & washer
2. C4363- Top bracket to alternator bolt & washer
3. CU75- Used alt/oil filter adaptor
4. C4364- Bolts for alternator to alt/oil filter adaptor
5. CU1116- Used alternator bracket

Make the Following Wiring Changes

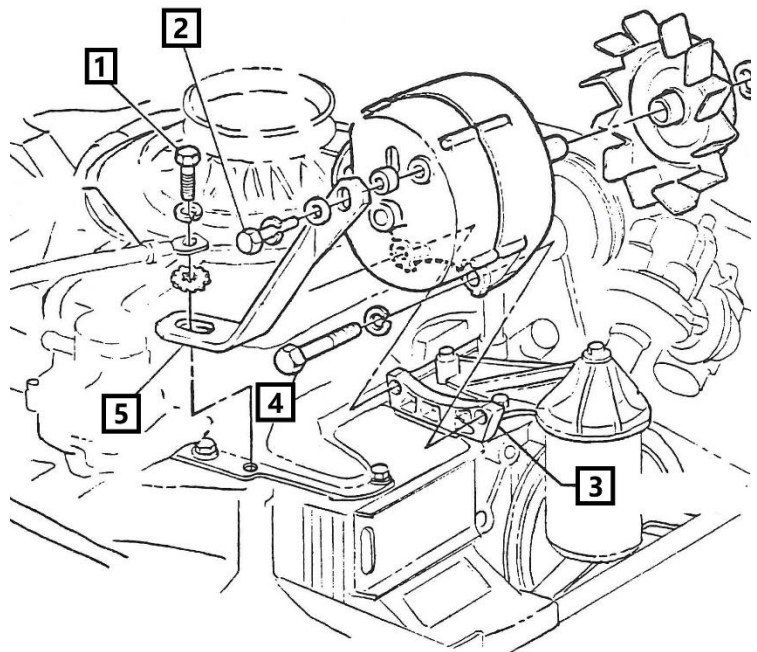
Refer to the diagram that shows the way the generator was wired. Compare that to the alternator conversion wiring and follow the changes

Please study these wiring diagrams (I realize many people don't understand wiring diagrams but these are not too bad if you compare them for a few minutes).

We have supplied you with the necessary electrical connectors (and a few extras) and the plastic housings. Check the plastic housings and the brass connectors. There is a small tab on the back of the brass connector & this needs to lock into a small hole inside the housing. 20GA is smaller diameter, 14GA is larger & 10GA is the largest. Route wires along existing harness & attach with electrical tape.

Most of the wires should be long enough to just cut the old connector off & add the new ones. Just in case yours are short, we have included some short pieces of wire to allow you to splice in the needed length.

1. Cut the ends off the generator end of the 14GA brown & 20GA blue wires and add the new connectors. Insert them into the plastic housing such that the 14GA brown wire will go into the "R" when installed into the alternator and the blue into the "F".
2. The other ends of the 2 wires in #1 should be disconnected from the old voltage regulator. Cut off the ends & add new connectors. Insert these into the voltage regulator plastic housing per the sketch.
3. The other brown 20GA wire at the old voltage regulator (coming from the main engine harness connector) needs a new connector at the voltage regulator end & is inserted into the plastic housing per the sketch.
4. Remove the 10GA red or black (depends on the year) wires from the old voltage regulator. These 2 wires need to be spliced together at the ends that were attached to the old voltage regulator. Then you also need to splice to them about 8 inches of the 18GA red wire we supplied and also enough of the 10GA red to make it back to the threaded

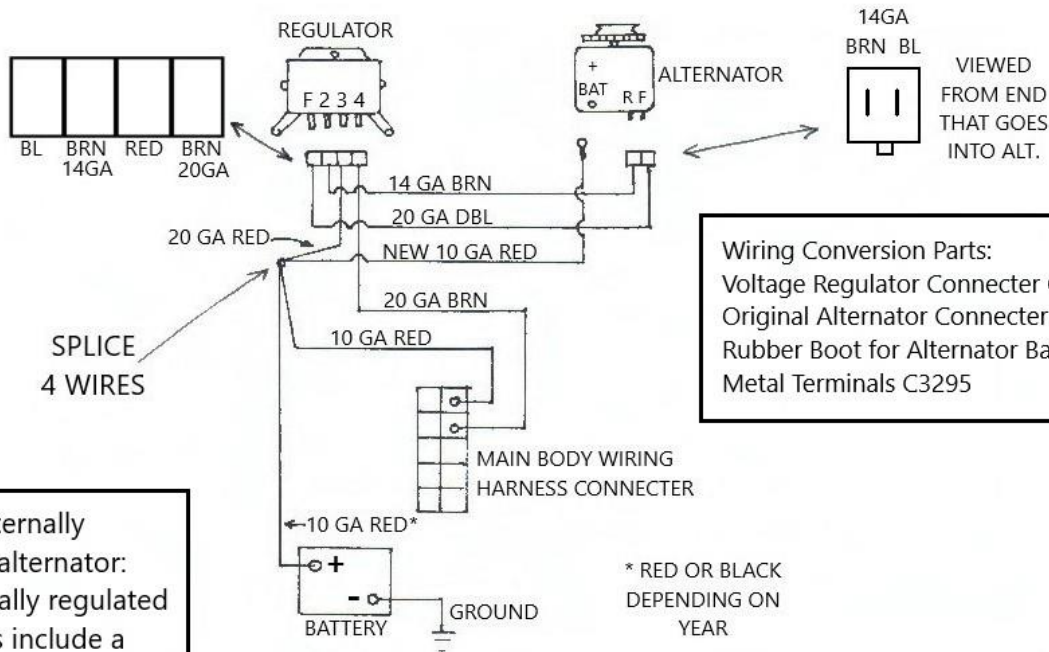


stud on the alternator. The splice with these 4 wires should be soldered & well wrapped with electrical tape. The short length of 18GA red needs a connector added & gets inserted into the plastic voltage regulator housing per the sketch. The free end of the 10GA wire should be installed into the rubber boot we included, then install the "eye" connector end and attach to the threaded alternator stud. The boot will push on to the bottom part of the stud.

5. DOUBLE CHECK YOUR WIRING AGAINST THE DIAGRAMS.
6. Never start the engine unless all wires are connected, including the wires to the battery.

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ALTERNATOR CONVERSION 60-64



If using internally regulated alternator:
Our internally regulated alternators include a plug to replace the voltage regulator.

You can also connect the blue Field wire to the red #3 wire and connect the brown #2 wire to the brown #4 wire.

1960-64 GENERATOR SYSTEM

