

ERS Instructions:

The ERS (external regulator system) is a single stage voltage regulator with a fixed voltage setting of 14 volts. It is designed to be used as a basic or back-up regulator for an externally regulated alternator.

1. Mount the regulator to one of the four side case bolts of the alternator.
2. Attach the BLACK wire (ground) to alternator ground.
3. Attach the RED wire with the ring terminal (sense) to the 12vdc positive out-put post of the alternator. If a battery isolator is used, the red wire should go to the battery side of the isolator (largest battery bank). This must always see the battery being charged and should be fused.
4. If no charge indicator light is used, attach the RED wire with the plug (ignition) to a switched positive 12vdc source, 'AC' side of key switch, independent oil pressure switch, etc.
5. If a charge indicator light is used, attach the ORANGE wire to one side of the light, the other side of the light should already be attached to the 'AC' side of the key switch (do not use the red wire in step #4).
6. Plug duplex plug with Green (field) and Yellow (stator) wires into rear of alternator.

Color Coded Wire	Designation
Black w/ Ring Terminal	Battery (-) Negative
Red w/ Ring Terminal	Battery (+) Positive
Green	Field
Yellow	Stator (tachometer)
Red	Ignition
Orange	Lamp (optional)

1. Regulator is designed to turn on through a lamp or ignition switch.
2. Regulator is compatible with digital type dash displays
3. Regulator has a Load Response Delay of 2.5 seconds.
4. Regulator is rated for 7-ampere field.

