



Flathead 1949-53
"Strap Mount"
and "Custom Mount"



ALTERNATOR WIRING INSTRUCTIONS

12 Volt Negative Ground

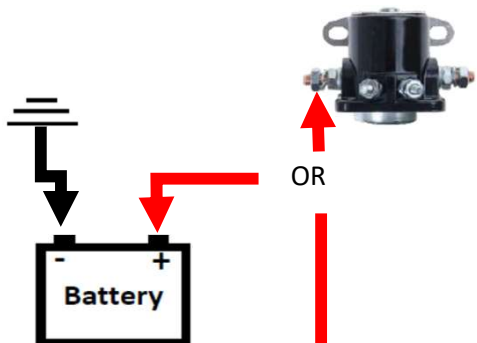
Need Help, or Questions!

Tech Dept.

(630) 957-4019

Tech@powermasterperformance.com

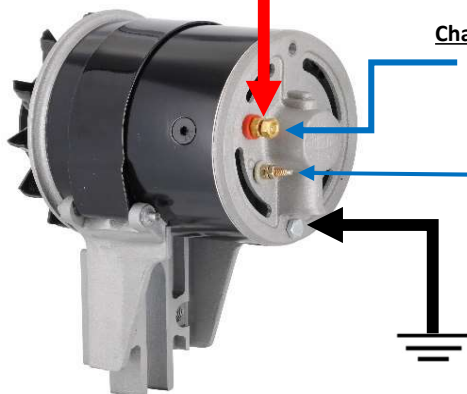
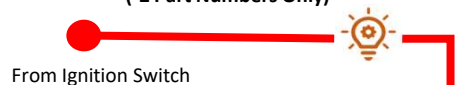
- These units are internally regulated and the OE external regulator must be bypassed, removed, or used for appearance only
- All units supplied with pulley for 5/8" V belt (Additional pulleys available)
- If using a dual carb setup, consider using the "Shorty" version of these units



"Custom Mount"
Requires to create
your own Bracket

Charge Indicator "Gen Light" Function
This ONLY Applies To Part Numbers Ending in -2
This connection has no effect on charging performance.
This wire will attach directly from the indicator light to
the unit

"Gen Light" Post Size 10-24
(-2 Part Numbers Only)



Charge Post Size
1/4-20

"Gen Light" Post ("Shorty
version with -2 only)
Post Size 10-24

Attach Ground Strap to one
of the rear case bolts. These
units **DO NOT** ground through
the mounting bracket



Disconnect Battery Positive (+)

READ ALL INSTRUCTIONS IN BOX!

Charge Wires: use minimum 8 gauge up to 6ft.

Ammeters: Do not reconnect the factory ammeter when using these units. Factory ammeters are typically limited to 30 amps. Please consider a volt gauge to monitor your charging system

Alternator Ground: The OE bracket will not supply a solid alternator ground. Always add an 8 gauge ground lead from alternator housing to engine block

Battery must have a clean ground to the engine block.

Wire Connections: Be sure all terminals are crimped securely, and connections are clean and tight.

Belt Tension: Inspect belt for signs of cracking or glazing. Replace if needed. **A loose belt will cause intermittent charging and generate excessive heat resulting in premature unit/bearing failure. Keep in mind "Alternator tight not generator loose"**

A fully charged battery is at least 12.6V, not 12.0V
A weak/defective battery will cause premature failure.
Never disconnect the battery with engine running! this causes voltage spikes that will damage the alternator.
When working correctly 12V units will produce 14-14.8V

**FAILURE TO FOLLOW THESE INSTRUCTIONS MAY
VOID YOUR WARRANTY**



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PowerGEN Application Guide

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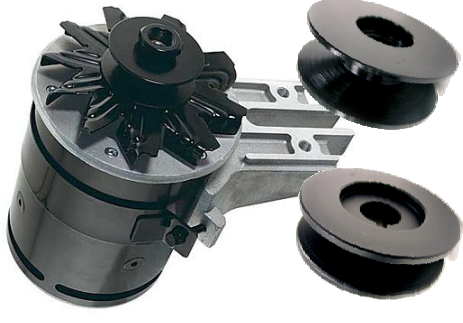


	A	B	C	D	E	F
	Description					
	Standard			Part Number		
	Pulley			Chrome	Polish	Black
GM PowerGEN (A)						
90A GM Long (7.1" Fld Hsg) 12V			3/8"	182051	282051	82051
90A GM Long (7.1" Fld Hsg) 12V w/ Lamp Term			3/8"	182051-2	282051-2	82051-2
90A GM Long (7.1" Fld Hsg) 6V Pos Grd			3/8"	182056	282056	82056
90A GM Long (7.1" Fld Hsg) 6V Neg Grd '48-'54			3/8"	182057	282057	82057
GM PowerGEN (B)						
90A GM Short (6" Fld Hsg) 12V			3/8"	182111	282111	82111
90A GM Short (6" Fld Hsg) 12V w/ Lamp Term			3/8"	182111-2	282111-2	82111-2
90A GM Short (6" Fld Hsg) 6V Pos Grd			3/8"	182116	282116	82116
90A GM Short (6" Fld Hsg) 6V Neg Grd '48-'54			3/8"	182117	282117	82117
Ford Flathead PowerGEN (C)						
90A Ford '39-'48, 12V			5/8"	182011	282011	82011
90A Ford '39-'48, 12V w/ Lamp Term			5/8"	182011-2	282011-2	82011-2
90A Ford '39-'48, 12V "Shorty" 1.5" Shorter			5/8"	182013	282013	82013
90A Ford '39-'48, 12V w/ Lamp Term "Shorty" 1.5" Shorter			5/8"	182013-2	282013-2	82013-2
90A Ford '39-'48, 6V Pos Grd			5/8"	182016	282016	82016
Ford Flathead PowerGEN (D)						
90A Ford Strap Mtg. '49-'53, 12V			5/8"	182021	282021	82021
90A Ford Strap Mtg. '49-'53, 12V w/ Lamp Term			5/8"	182021-2	282021-2	82021-2
90A Ford Strap Mtg. '49-'53, 12V "Shorty" 1.5" Shorter			5/8"	182023	282023	82023
90A Ford Strap Mtg. '49-'53, 12V w/ Lamp Term "Shorty" 1.5" Shorter			5/8"	182023-2	282023-2	82023-2
90A Ford Strap Mtg. '49-'53, 6V Pos Grd			5/8"	182026	282026	82026
Ford PowerGEN (E)						
90A Ford Swing Mtg. 12V			3/8"	182101	282101	82101
90A Ford Swing Mtg. 12V w/ Lamp Term			3/8"	182101-2	282101-2	82101-2
90A Ford Swing Mtg. 6V Pos Grd			3/8"	182106	282106	82106
90A Ford T-Bird 1956-57 12V			1/2"	182155	282155	82155
90A Ford T-Bird 1956-57 12V w/ Lamp Term			1/2"	182155-2	282155-2	82155-2
90A Ford T-Bird 1955 6V Pos Grd—use '56-'57 p/n's for 12V upgrade			1/2"	182156	282156	82156
Universal PowerGEN (F)						
90A "Universal" 12V			5/8"	182091	282091	82091
90A "Universal" 12V w/ Lamp Term			5/8"	182091-2	282091-2	82091-2
90A "Universal" 6V Pos Grd			5/8"	182096	282096	82096



CHROME PULLEYS

- 3/8" Belt
P/N 1130
- 1/2" Belt
P/N 1132
- 5/8" Belt
P/N 1134
- 3/4" Belt
P/N 1136



BLACK PULLEYS

- 3/8" Belt
P/N 1131
- 1/2" Belt
P/N 1133
- 5/8" Belt
P/N 1135
- 3/4" Belt
P/N 1137

