



35SI HP™

Upgrade Program



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C11121 2/05



DelcoRemy

***PREMIUM BRUSHLESS
HEAT RESISTANT ALTERNATOR***

35SI HP™



New Service #8600064
Reman #8700016



New Service #8600065
Reman #8700017



New Service #8600066
Reman #8700018

Warranty

New service: 3 years - 350,000 miles

Reman: 2 years - 250,000 miles

Premium Brushless design

Extends life

Optimizes performance

140 amps of power

Heat Resistant

Strategically placed radiant vents

Performance Tested to 105C

Remote Sense Technology

Optimizes battery state of charge

***Core acceptance for same mounting style
33SI or 34SI brushless unit.***

35SI HP™ SPECIFICATIONS



Delco Remy Premium Brushless Alternators have long offered many advantages for today's Heavy Duty trucks. Few internal components: no springs, brushes, or slip rings to wear out; resistance to environmental contaminants, and consistent turn-on speeds provide reliability and long-life.

In 2002 the advent of new EPA regulations required Heavy Duty diesel engine manufacturers to design new emission compliant engines. These advanced engines create higher under-hood temperatures due to re-circulation of exhaust gases prior to expelling into the atmosphere.

Now, the Delco Remy 35SI HP 140 alternator provides the benefits of both long life premium brushless construction and a heat resistant design tested to produce high amperage in high heat environments up to 105°C/ 221°F.

The 35SI HP is the perfect alternator for any Heavy Duty diesel 12V application. The 35SI HP also features Remote Sense Technology capability. This direct connection from the alternator to the batteries monitors the battery state of charge and optimizes the output of the alternator ensuring proper voltage to charge the batteries.

When replacing existing brushless or brush design alternators, upgrade to the new Delco Remy 35SI HP.



J180 Hinge Mount

New Service #8600064
Reman #8700016



J180 Quad Mount

New Service #8600065
Reman #8700017



Pad Mount

New Service #8600066
Reman #8700018

The Delco Remy® 140 Amp 35SI HP™ Features and Benefits

Strategically placed radiant vents cool internal components in high-temperature underhood environments.

Premium brushless design extends service life and optimizes performance.

High efficiency stator windings and optimized rotor design deliver high output while limiting internal heat production.

Heavy duty bearings and premium-quality steel shaft withstand high vibration and heavy belt loads.

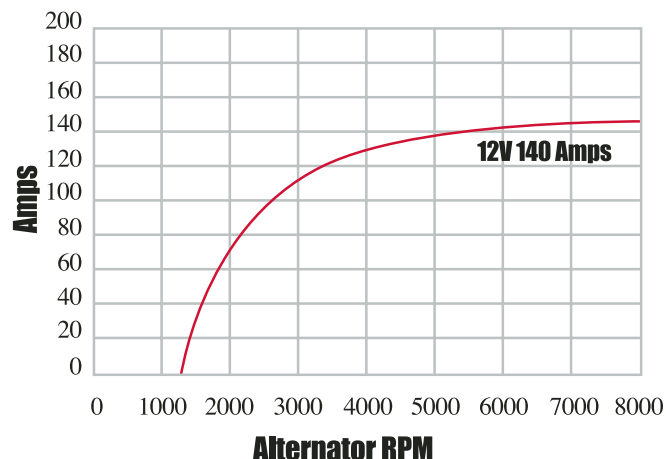
High thermal-capacity design stands up to extreme temperatures, thermal stress for extended service life.

All 35SI HP Alternators are Remote Sense Technology, capable of optimizing the state of charge of the batteries.

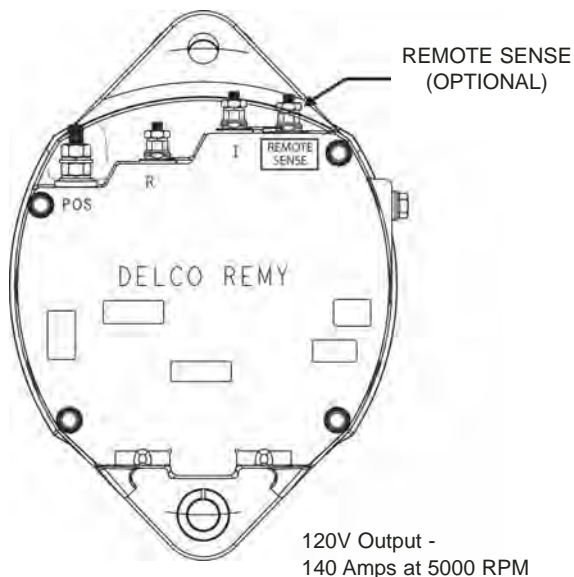
Delco Remy® 35SI HP™ Specifications

Output (5000 RPM)	12V @ 140 Amps
Construction	Brushless
Stator Diameter	152mm
Length	262 mm
Typical Weight	11.5 kg = 25.4 lbs.
Speed Capability	Continuous – 10,000 rpm Intermittent – 12,000 rpm
Inlet Temperature Limits	Low: -40°C High: -105°C
Rotor Inertia	44 kg – cm²
Polarity	Negative Ground
Rotation	Clockwise or Counterclockwise

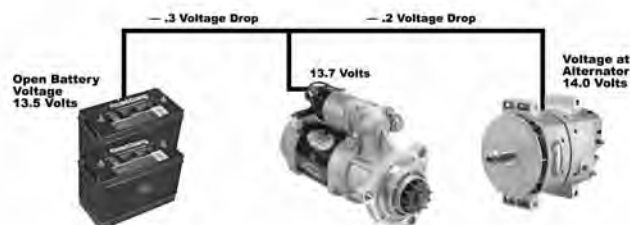
35SI HP™ Charging System Performance



Remote Sense Technology

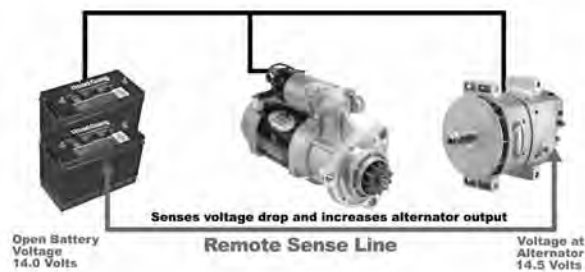


Without Remote Sense



14.0 Standard Volts at Alternator
 – .2 Voltage Drop
 – .3 Voltage Drop
 13.5 Volts at Batteries

With Remote Sense



14.5 Volts at Alternator
 – .2 Voltage Drop
 – .3 Voltage Drop
 14.0 Volts at Batteries

All 35SI HP alternators feature Remote Sense Technology that senses the voltage level at the batteries and adjusts alternator output accordingly. A direct connection from the alternator's fourth terminal to the batteries provides highly accurate voltage readings and optimizes battery state of charge.

35SI HP™ UPGRADE PROGRAM



Many trucks on the road today are equipped with Delco Remy 33SI and 34SI premium brushless alternators. The truck OEM's and truck owners know that these premium products offer exceptional cost per mile benefits. To keep these trucks operating with the best charging system, it will be important to maintain this spec when it comes time for replacement.

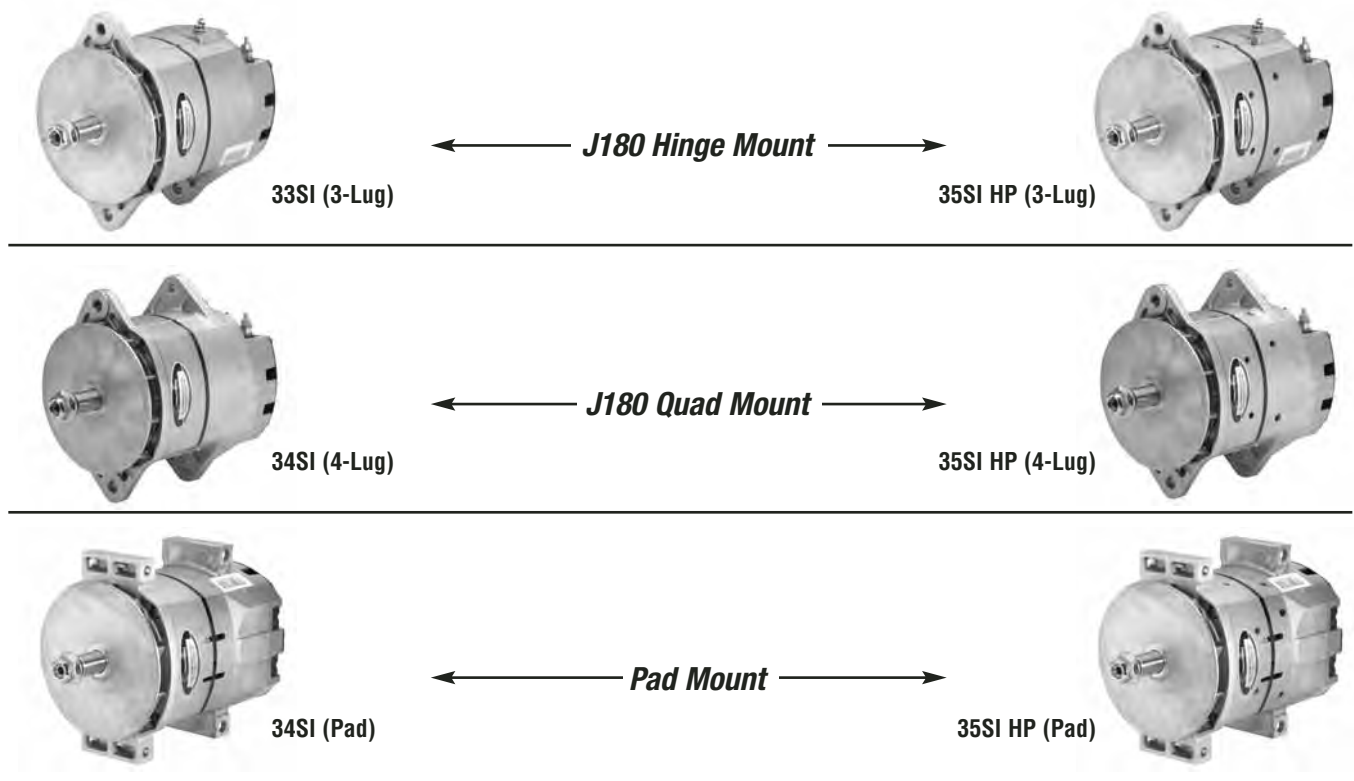
Now Remy has introduced the new Delco Remy 35SI HP Premium Brushless Alternator with heat resistant design to operate in under-hood temperatures of up to 105°C/221°F. With the 35SI HP Upgrade Program, you can convert any truck with a 33SI or 34SI to the new high temperature 35SI HP model and receive full core credit for each 33SI and 34SI core returned. (See page 2 for part number information) Effective 1/1/05, 33SI, 34SI, 35SI and 35SI HPs will become one core group based on mounting style.

Here's how it works using Genuine Delco Remy remanufactured units:

Three Core Groups Separated By Similar Mounting Style

REMOVED UNIT	REPLACEMENT UNIT 35SI OR 35SI HP	AMOUNT OF CORE CREDIT UP TO ELIGIBILITY
33SI 3-Lug	See Chart on page 4	Full Core Credit
34SI 4-Lug	See Chart on page 4	Full Core Credit
34SI Pad	See Chart on page 4	Full Core Credit

Mounting Compatible Core Groups



J180 Hinge Mount

UNIT REMOVED			UPGRADE TO 35SI HP		
33SI OE	33SI Reman	Amps	35SI HP-Reman	35SI HP New	Amps
19011151	10459143	110	8700016	8600066	140A
19011150	10459144	110	8700016	8600066	140A
19011154	10459143	110	8700016	8600066	140A
19011152	10459142	135	8700016	8600066	140A
190111200	10459450	135 Road Gang	8700016	8600066	140A
35SI OE	35SI Reman	Amps			
19011228	10459606	110	8700016	8600066	140A
19011229	10459609	135	8700016	8600066	140A
19011232	8700000	135	8700016	8600066	140A
19011260	10459612	135 Road Gang	8700016	8600066	140A
19011264	8700005	135	8700016	8600066	140A

J180 Quad Mount

34SI OE	34SI Reman	Amps	35SI HP	35SI HP New	Amps
19011157	10459607	110	8700017	8600067	140A
19011167	10459206	135	8700017	8600067	140A
19011214	10459206	135	8700017	8600067	140A
19011179	10459287	135	8700017	8600067	140A
19011201	10459451	135 Road Gang	8700017	8600067	140A
35SI OE	35SI Reman	Amps			
19011234	10459607	110	8700017	8600067	140A
19011244	10459610	135	8700017	8600067	140A
19011255	8700003	135	8700017	8600067	140A
19011261	10459613	135 Road Gang	8700017	8600067	140A
19011266	8700006	135	8700017	8600067	140A

Pad Mount

34SI OE	34SI Reman	Amps	35SI HP	35SI HP New	Amps
19011176	10459279	110A	8700018	8600068	140A
19011177	10459278	135	8700018	8600068	140A
19011187	10459288	135	8700018	8600068	140A
19011202	10459449	135 Road Gang	8700018	8600068	140A
35SI OE	35SI Reman	Amps			
19011252	10459608	110	8700018	8600068	140A
19011253	10459611	135	8700018	8600068	140A
19011258	8700004	135	8700018	8600068	140A
19011262	10459614	135 Road Gang	8700018	8600068	140A
19011268	8700007	135	8700018	8600068	140A
19011272	8700001	110	8700018	8600068	140A
19011273	8700002	135	8700018	8600068	140A

All 35SI HPs feature Remote Sense Technology capability.

NOTES





35SI HPTM

Upgrade Program

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