

**SCHOOL TRANSPORTATION
ALTERNATORS & STARTER MOTORS**



Intelligent design inside & out.

provided by:

DIESELUSAGROUP®

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Delco Remy high output alternators are specially designed to contend with the demanding electrical loads of school bus operating routines.

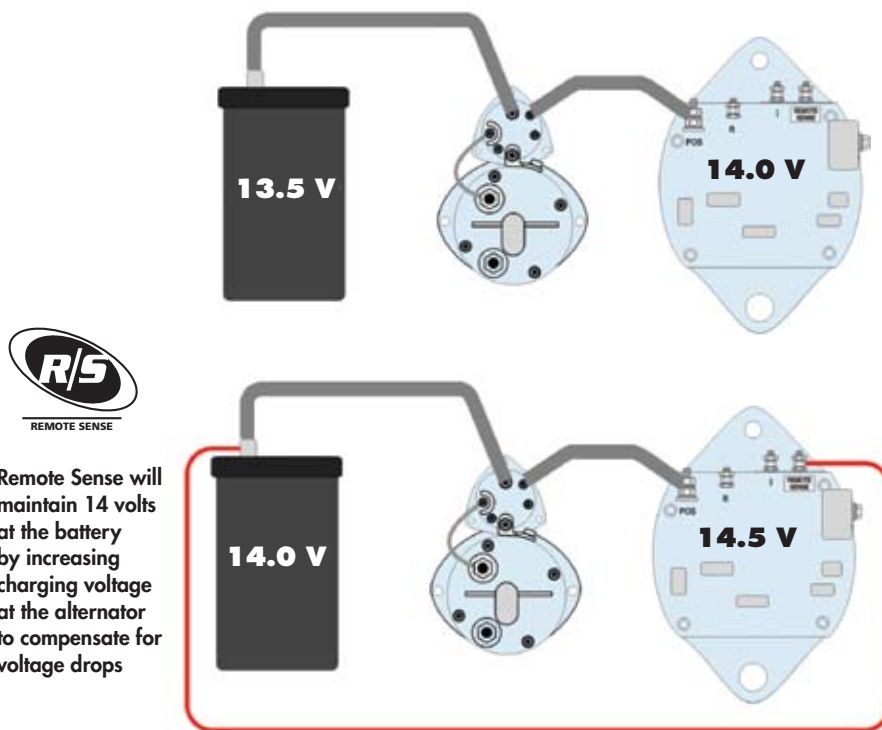
Add to that the fuel savings opportunity, high temperature ratings and proven technologies like Remote Sense and you've got alternators in a class by themselves.

School buses present a unique set of challenges.

A school bus performs the majority of its workday at slow speeds. At the same time, lighting and equipment associated with safety and passenger mobility add electrical loads that must be met at these same slow speeds.

Remote Sense Can Reduce Battery Charge Time by 50%

The Delco Remy high output alternators are equipped with Remote Sense which utilizes a second wire that reads the actual voltage at the battery. This signals the alternator to boost its output to compensate for the voltage drop, ensuring 14 volts at the battery. The proper voltage at the battery forces more current into the battery bringing the battery up to a full state of charge during the school bus runs between stops.



Remote Sense will maintain 14 volts at the battery by increasing charging voltage at the alternator to compensate for voltage drops

Designed for Extreme Temperatures & Long Life

No other school bus alternator on the market today can perform like the Delco Remy high output alternators. Both the 28SI and 40SI models withstand extreme underhood temperature demands of up to 257°F – that's over 25°F above the competition – and still keep running.

The dual internal fan design of the 28SI provides greater air circulation over the alternator electronics. This allows the alternator to run at lower temperatures, improving the operating efficiency and durability of the 28SI.

The air-cooled 40SI is the only high output alternator on the market today that boasts a brushless design. By eliminating the brushes, the service life and durability of the alternator are dramatically increased.



High-Efficiency Alternators Equals 20% Fuel Savings

An efficient alternator on a school bus can more than pay for itself in less than one year. Over the life of the vehicle, these savings can reach in the thousands of dollars.

As the alternator becomes more efficient in the process of converting mechanical power into electrical power, less fuel is consumed. And even though the power demands of the alternator are generally small in comparison to the overall vehicle, the impact on fuel cost is remarkable.

Operating data was collected on school bus applications in order to identify what was actually occurring over the course of the school week and the impact it had on the electrical system. Delco Remy high output alternators were installed and compared to other standard industry models. The results were amazing:

Fuel cost with base efficiency alternator
\$7533* / 250k mi

Fuel cost savings with high efficiency alternator
\$1507* / 250k mi

Increasing alternator efficiency can, and will, measurably reduce fuel costs.

* Based on \$4/gal diesel fuel cost.



28SI™

Mount	Amp	Part #
Pad	160	8600315
Short Hinge	160	8600312
Long Hinge	160	8600308
Pad	180	8600316
Short Hinge	180	8600223
Long Hinge	180	8600311
Pad	200	8600314
Short Hinge	200	8600313
Long Hinge	200	8600307



40SI™

Mount	Amp	Part #
Pad	240	8600338
Short Hinge	240	8600339
Long Hinge	240	8600390
Pad	275	8600094
Short Hinge	275	8600279
Long Hinge	275	8600280
Pad	300	8600298
Short Hinge	300	8600299
Long Hinge	300	8600300

SPECIFICATIONS		
	28SI	40SI
Performance Output	160, 180, 200	240, 275, 300
Maximum Speed	10,000 RPM Continuous 12,000 RPM Intermittent	8,000 RPM Continuous 10,000 RPM Intermittent
Rotation	Clockwise	Clockwise
Temperature Ratings	Low -40°C (-40°F) High 125°C (257°F)	Low -40° C (-40° F) High 125° C (257° F)
Polarity	Negative Ground	Negative Ground
Mounting	J180 Short Hinge Mount J180 Long Hinge Mount Pad Mount	J180 Short Hinge Mount J180 Long Hinge Mount Pad Mount
Weight	18.7 lbs (8.5 kg)	31 lbs (14.1 kg)
School Bus Aftermarket Warranty	2 Years/Unlimited Miles	2 Years/Unlimited Miles

COMPETITIVE COMPARISON				
	28SI	40SI	Leece Neville	Bosch
Remote Sense	Yes	Yes	No	No
Peak Efficiency	68%	70%	60%	68%
Output at Temperature Ratings	Full Output 125°C (257°F)	Full Output 125° C (257° F)	Full Output 110° C (230° F)	No Output 125°C (257°F)*
All Three Industry Mounting Styles	Yes	Yes	No	No**

*Bosch regulator will shut down before 125°C, resulting in no alternator output

** Requires additional purchase of installation kit in order to accommodate the long hinge mount style



Ensure a clean start every time with Delco Remy starters equipped with the electrical soft-start engagement system. Delco Remy starters are lightweight in design while still providing the power for industry leading performance.



DELCO REMY STARTER APPLICATIONS			
OEM	Engine	Model	Part #
Thomas Built Bus	Cummins ISB 5.9	29MT	19011400
	Cummins ISB 6.7		8200196
	Cummins ISC / ISL	38MT	8200005
	CAT 3126		8200076
	CAT C7		8200075
	MB 926		8200103
Blue Bird	MB 904/906	29MT	8200103
	Cummins ISB 5.9	29MT	19011400
	Cummins ISB 6.7		8200196
	Cummins ISC	38MT	8200005
	CAT 3126		8200076
CAT C7			
IC Bus (Navistar)	DT466	38MT	8200005
	DT530	39MT	8200081
	T444E (7.3L)	38MT	8200007
	VT365	29MT	19011407

SPECIFICATIONS			
	29MT	38MT	39MT
Engine Size	12V up to 6.6L	12V up to 10L	12V up to 15L
Performance	3.3 kW	4.6 kW	7.2 kW
Weight	17.6 lbs (8 kg)	27.6 lbs (12.5 kg)	30.21 lbs (13.7 kg)
Mounting	SAE #1	SAE #1, SAE #3	SAE #1, SAE #3
Pinions	9-tooth/Module 3 10-tooth/8-10 pitch 10-tooth/10-12 pitch 11-tooth/Module 3	10-tooth/8-10 pitch 12-tooth/8-10 pitch 11-tooth/Module 3	11-tooth/6-8 pitch 12-tooth/8-10 pitch 12-tooth/Module 3
Supports Wet & Dry Clutch Applications	✓	✓	✓
School Bus Aftermarket Warranty	1 Year Unlimited Miles	1 Year Unlimited Miles	1 Year Unlimited Miles



Remy International Inc., headquartered in Pendleton, Indiana, is a leading manufacturer, remanufacturer and distributor of Delco Remy brand heavy-duty systems and Remy brand starters, alternators and hybrid power technology.



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