

**SCHOOL TRANSPORTATION  
ALTERNATORS & STARTER MOTORS**



**WE START THE WORLD & KEEP IT RUNNING™**

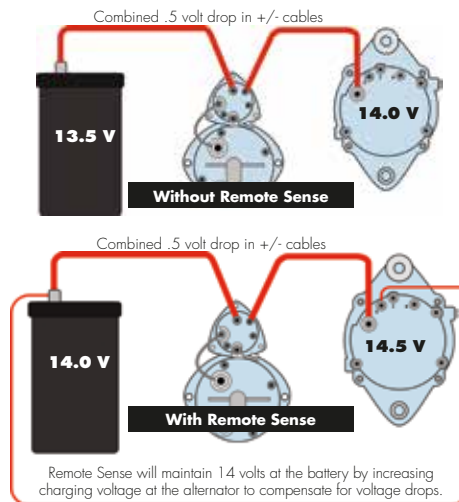
**Delco Remy high output alternators are specially designed to contend with the demanding electrical loads of school bus operating routines. Add to that the fuel savings opportunity, high temperature ratings and proven technologies like Remote Sense and you've got alternators in a class by themselves.**

### 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.



#### 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.

#### 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\***

**Fuel cost savings with high efficiency alternator**  
**\$1507\***

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

\* Based on \$4 / gal diesel fuel cost and 250k mi.



ALTERNATOR APPLICATIONS							
School Bus Application	Amps	Part Number	Model	Style	Mount Type	Leece-Neville	
Base bus without AC prior to 2000	160	8600308	<b>28SI</b>	Brush	J180 - Long	2800LC	
		8600312			J180 - Short		
		8600315			Pad		
Base bus without AC after 2000	180	8600311	<b>28SI</b>	Brush	J180 - Long	4836LGH, 4833LGH	
		8600223			J180 - Short		
		8600316			Pad		4939PGH, 4943PGH
Bus with factory AC or an electromagnetic brake retarder prior to 2002	200	8600307	<b>28SI</b>	Brush	J180 - Long		
		8600313			J180 - Short		
		8600314			Pad		
Bus with factory AC or an electromagnetic brake retarder after 2002	240	8600390	<b>40SI</b>	Brushless	J180 - Long	4887JB, 4885JB	
		8600339			J180 - Short		
		8600338			Pad		4959PA, 4958PA
Bus with factory AC and additional add on AC OR bus with factory AC and an electromagnetic brake retarder	275	8600280	<b>40SI</b>	Brushless	J180 - Long	4867JB	
		8600279			J180 - Short		
		8600094			Pad		4949PA
	320	8600634	<b>40SI</b>	Brushless	J180 - Long		
		8600628			Pad		4962PA

Note: When replacing some competitive alternators on a Navistar/IC Bus, a different pulley may be required. Please use Navistar pulley part number 3611883C1 for DT and MaxxForce 9 & 10 engines, 3615037C1 for MaxxForce 7 engines and 3716856C1 for ISB engines.

COMPETITIVE COMPARISON				
	Delco Remy 28SI	Delco Remy 40SI	Leece-Neville	Bosch
Remote Sense	Yes	Yes	No	No
Peak Efficiency	68%	72%	60%	68%
Output at Temperature Ratings	Full Output 125°C (257°F)	Full Output 240 & 275 Amp: 125°C (257°F) 300 & 320 Amp: 115°C (239°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

SPECIFICATIONS		
	28SI	40SI
Performance Output	160, 180, 200	240, 275, 300, 320
Rotation	Clockwise	Clockwise
Temperature Ratings	Low: -40°C (-40°F) High: 125°C (257°F)	Low: -25°C (-13°F) High: 240 & 275 Amp: 125°C (257°F) High: 300 & 320 Amp: 115°C (239°F)
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	3 Years/Unlimited Miles

\*320 Amp not available in short hinge mount

\*\*Applicable to U.S. and Canada only



## New Bus Specification Codes

### ALTERNATORS

#### Blue Bird Bus

40SI 275 Amps 4013203  
40SI 300 Amps 4013204

#### Freightliner/Thomas Built C2

28SI 160 Amps FL-124-1D6\*  
28SI 200 Amps FL-124-1E0  
40SI 275 Amps FL-124-1E7

#### HDX

28SI 200 Amps C1370-00-000

#### EFX

40SI 275 Amps C1371-00-000

#### Navistar/IC Bus

##### BE/CE/RE

28SI 200 Amps 08GHV\*

### STARTERS

#### Navistar/IC Bus

##### BE & CE

29MT 08WYD  
38MT 08WTK\*  
39MT 08WTU  
39MT OCP 08WTL

##### RE

38MT 08WTK\*  
39MT 08WTU  
39MT OCP 08WTL

\*Standard Position



Part numbers fast  
at [delcoremy.com](http://delcoremy.com)



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.



STARTER APPLICATIONS					
Make	Engine	Model	New Service	Bus OE	Leece-Neville
Thomas Built Bus	Cummins ISB 5.9L	29MT	<b>19011400</b>		M105610
	Cummins ISB 6.7L		<b>8200571</b>		
	Cummins ISC/ISL	38MT	<b>8200005</b>		M105302
	CAT 3126		<b>8200076</b>	61230359	M105611
	Cat C7-2000 Allison		<b>8201002</b>		M105612
	Cat C7-3000 Allison		<b>8200076</b>	61230359	M105611
	MB 926		<b>8200075</b>		
MB 904/906	29MT	<b>8200103</b>			
Blue Bird	Cummins ISB 5.9L	29MT	<b>19011400</b>	10026128	M105610
	Cummins ISB 6.7L		<b>8200571</b>		
	Cummins ISC	38MT	<b>8200005</b>		M105302
	CAT 3126		<b>8200076</b>	1454651	M105611
	Cat C7-2000 Allison		<b>8201002</b>	00074299	M105612
	Cat C7-3000 Allison		<b>8200076</b>	1454651	M105611
IC Bus	Cummins ISB 6.7L	38MT	<b>8200077</b>		
	DT466	38MT	<b>8200005</b>		M105302
	DT530	39MT	<b>8200433</b>		
	T444E 7.3L	38MT	<b>8200007</b>		M110602
	VT365	29MT	<b>8200972</b>		M105603

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	Minimum 2 Years/Unlimited Miles (Applicable to U.S. and Canada only)		



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