

PUBLIC TRANSPORTATION
Transit Bus
Alternators, Starters & Service Parts





WE START THE WORLD & KEEP IT RUNNING™

The Delco Remy 50DN™ and 50DN+™ are the original alternators designed specifically for transit applications. They deliver over 75% of rated output at engine idle therefore managing high continuous electrical loads found on bus applications. They are supported with a service parts program for economical service repair.

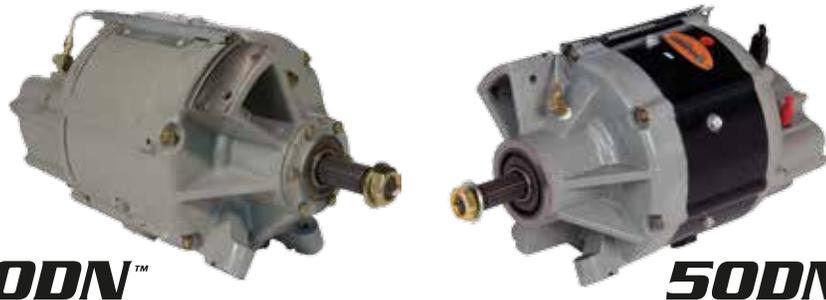
Genuine Delco Remy starters and alternators have provided the power, durability, and the service support for over 100 years.

Features & Benefits

- **Durable brushless design** provides increased reliability and durability.
- **Long Life Stator Design** provides improved durability and results in cooler operating temperatures.
- **Completely sealed** to withstand external contamination.
- **Warranty:**
1 year / unlimited miles*



*Applicable to U.S. and Canada only



50DN/50DN+ CROSS REFERENCES & UPGRADES							
New/Reman	Part #	Output (Amps)	Mount Type	50DN/50DN+ New Service Replacement	50DN/50DN+ Reman Replacement	50DN+ New Service Upgrade	50DN+ Reman Upgrade
New	1117166	270	Cradle	8600191	10459123	8600083	8700091
New	1117167	270	Cradle	8600191	10459123	8600083	8700091
New	1117878	270	Cradle	8600191	10459123	8600083	8700091
New	8600083	450	Cradle	8600083	8700091	N/A	N/A
New	8600191	270	Cradle	8600191	10459123	8600083	8700091
New	8600608*	450	Cradle	8600608	N/A	N/A	N/A
Reman	8700077**	270	Cradle	8600191	8700077**	8600083	8700091
Reman	8700091	450	Cradle	N/A	N/A	8600083	N/A
Reman	10459121	270	Flange	N/A	10459121	N/A	N/A
Reman	10459122	270	Flange	N/A	10459122	N/A	N/A
Reman	10459123	270	Cradle	8600191	N/A	8600083	8700091
Reman	10459126	270	Flange	N/A	10459122	N/A	N/A

* Has an additional non-painted ground surface

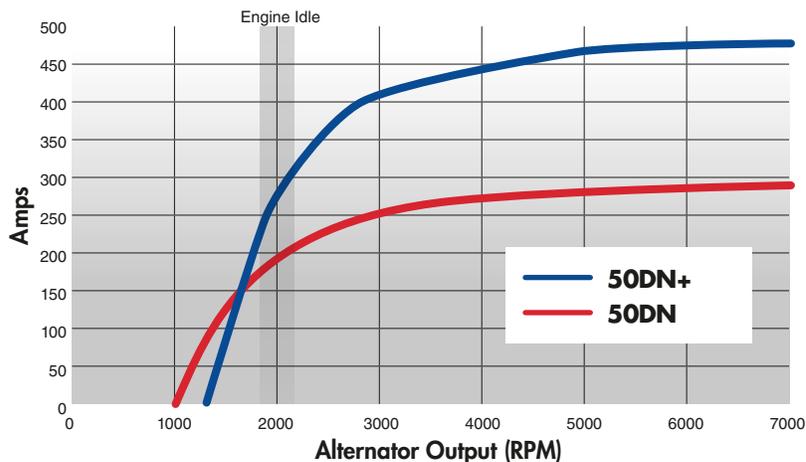
** Only accepts press-in seal kit

Specifications	50DN	50DN+
Maximum Speed	6,500 RPM continuous 7,000 RPM intermittent	6,500 RPM continuous 7,000 RPM intermittent
Performance Output	270 Amps - 24 volt	450 Amps - 24 volt
Weight	100 lbs (45.3 kg)	109.7 lbs (49.8 kg)
Temperature Rating	250°F (121°C)	121°C/250°F (oil)
Oil Flow Requirements	Up to 2.0 gal/min (provide min. 1" drain line) positive vent connection	
Efficiency	78%	
Rotation	Clockwise or counterclockwise	
Mounting	Cradle mount	
Length	453 mm/17.83"	
Remote Sense	Standard with 50VR regulator	
Alternator Design	Oil Cooled - Brushless	
Stator Diameter	241 mm/9.49"	
Drive End Bearing Size	72 mm/2.44"	

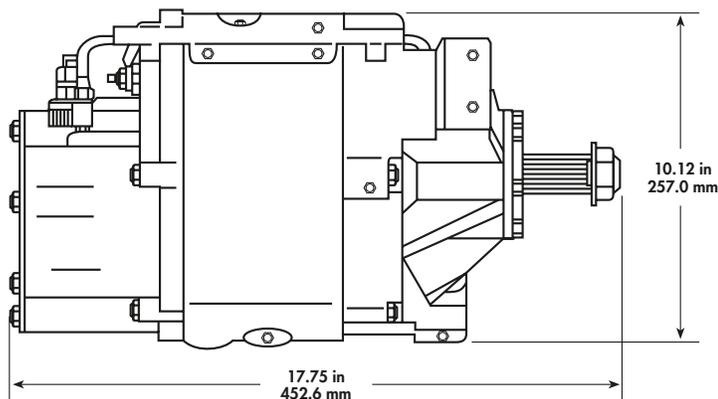
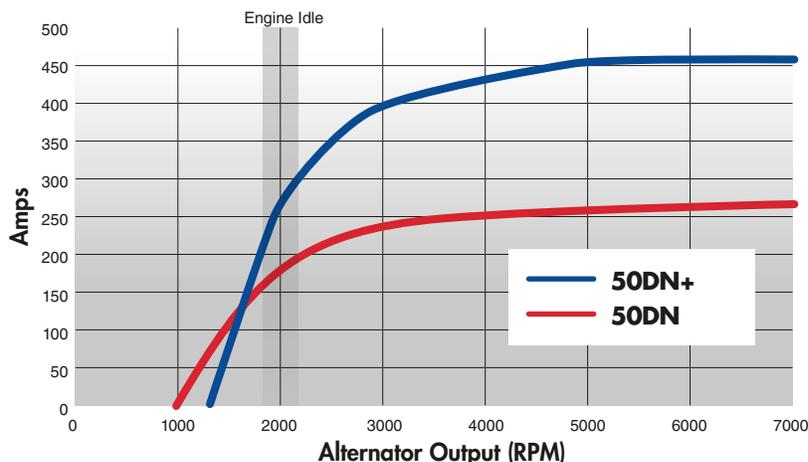
It is recommended that SAE J541 guidelines be used when considering the application of a 50DN (270 Amp) or 50DN+ (450 Amp).

It is recommended that a maximum of .5 volt drop at 500 Amps is allowed between the power source and its load, translating to one millivolt drop per Amp.

PERFORMANCE @ 93°C



PERFORMANCE @ 121°C



SERVICE KITS & REPLACEMENT PARTS

Service Kits	50DN Part #	50DN+ Part #
Master Rebuild Kit	10502551	10539735
Master Repair Kit	10457790	10457790
Cover - End Plate Kit	10457148	10457148
Field Coil	10471614	10515313
Rotor	1956315	10514908
Stator	10502989	10517291
Bolt-On Seal Kit*	10514967	N/A
Press-In Seal Kit Retrofit from Bolt-On*	10524488	N/A
Long-life Press-In Seal Kit*	10537001	

50VR REGULATORS

50VR OE Number	50VR Service Package	Description
8600026, 8600027, 8600028, 8600563	10503805	Terminal strip connectors & temperature compensated without cover
8600024, 8600561	8600561	Plug-in Deutsch Connector without cover
8600025, 8600562	8600562	Plug-in Deutsch Connector with cover
10510919	10512460	Capacitor

*See the images to identify the seal design. The press-in style is most current.

Press-In Seal Design helps to eliminate oil leaks and ensure a long life.

LONG-LIFE PRESS-IN SEAL KIT



Comprehensive parts list and installation instruction sheets available at delcoremy.com



Part numbers fast at 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.

**39MT All-Makes Warranty:
3 Year/Unlimited Miles***



39MT™



42MT™

39MT ALL-MAKES PART NUMBERS FOR POPULAR TRANSIT ENGINE APPLICATIONS		
24V Engine	39MT All-Makes	Pinion Pitch/Teeth
CAT C12, C13, C15 Cummins ISM, ISX, N14 Detroit S50, S60 Mack E7	8200330*	6/8 - 11 tooth
Cummins ISB, ISC, ISL Navistar DT466, DT530 Volvo D12	8200435*	8/10 - 12 tooth
Mercedes 4000 Detroit DD13, 15	8200436*	Mod 3 Metric - 12 tooth

* These 39MT part numbers may require modification to the solenoid and/or IMS switch positions. These part numbers may not be used for solenoid down applications.

POPULAR TRANSIT STARTER PART NUMBERS						
Model	Part Number	Pinion Pitch/Teeth	Solenoid Switch Position	New or Reman	OCP	
39MT	8200321	6/8 - 11 tooth	278	New	Yes	
	8200337					
	8200736					
	8200980	8/10 - 12 tooth	082		No	
	8200702				Yes	
	8200272				No	
19011524	308			No		
42MT	10478998	6/8 - 11 tooth	038	New	No	
	10461068			Reman		
	1993788			052	New	Yes
	10479130			308	Reman	No
	8200529	8/10 - 12 tooth	082	New	Yes	
	8200068				No	
	1990413				Yes	
	8201067				No	
	10479213				322	Yes
	8200986					
	8200517					
	10479228					

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delcoremy.com

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