

STARTERS & ALTERNATORS 2011



- 12V 5.0kW
- Rotation: Clockwise
- Mount: SAE #3
- Pinion: DP6 10 tooth & Mc 12 Tooth (Interchangeable with competitors 11 & 12 tooth)
- Approximate Weight: 23 lbs.

R5.0 Offset Gear Reduction Starters

- Lighter weight & smaller size compared to DENSO's P5.0 (over 15 lbs. lighter), while providing the same power. Significantly lighter than competitor designed units
- High durability for the most demanding applications
- High torque for maximum starting power (improved cold start-ability); 63Nm of torque, the highest in the industry
- Smooth engagement for improved durability of pinion & ring gear
- Torque limiter feature to prevent ring gear/drive train breakage
- **Warranty: 3 years/350,000 miles**

R5 Starter Truck Engine/Model Application Chart

Engine/Truck Model	Freightliner	Sterling	International (Thru MY2006)	Peterbilt	Kenworth	Mack	Volvo	Western Star
CAT C11			428000-4420		428000-4420			
CAT C12			428000-4420 (C)	428000-4420 (D)				428000-4420 (E)
CAT C13	428000-4420	428000-4420	428000-4420	428000-4420	428000-4420			
CAT C15	428000-4420	428000-4420	428000-4420	428000-4420	428000-4420			428000-4420
Cummins ISM	428000-4420	428000-4420	428000-4420	428000-4420	428000-4420		428000-4420	
Cummins ISX	428000-4440 428000-5190		428000-4440 428000-5190	428000-5190	428000-5190			
Cummins M11	428000-4430	428000-4430	428000-4430	428000-4430	428000-4430			
Cummins N14	428000-4440	428000-4440	428000-4440	428000-4440	428000-4440			
DD S60	428000-4430 (A) 428000-5730	428000-4430 (A) 428000-5730	428000-4430 (A) 428000-5730	428000-4430 (A) 428000-5730	428000-4430 (A) 428000-5730		428000-4430 (A) 428000-5730	428000-4430 (B) 428000-5730
DTNA DD13	428000-8690 (F)							428000-8690 (F)
Mack E-Tech, E-7						428000-4430		
MBE 4000	428000-4450	428000-4450						
Volvo VE12							428000-5430	

*Freightliner with DDS 60 when fuel filter is outside fram rail

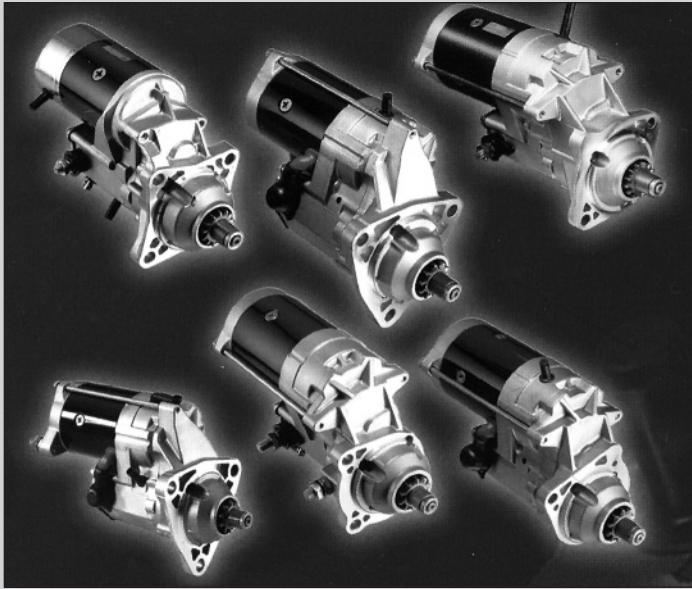
**Freightliner with DDS 60 when fuel filter is inside frame rail

(A) 1994-2006 when fuel filter is on the Frame Rail (single for) (B) 2007 model year only (C)1998 model year only (D)1997 model year only (F) 2007 year forward



12V & 24V Gear Reduction Starters

For Diesel Engine Applications



- Compact & lightweight design
- High torque for maximum starting power
- High durability for the most demanding applications
- Impact torque limiter used to prevent ring gear damage
- Self-contained clutch shaft
- Solenoid & clutch arranged co-axially for smooth engagement
- Sealed heavy-duty ball bearings
- Two-hole mount replaces OE three-hole design for easier installation
- **Warranty: 3 years/unlimited miles**

Designed For Your Toughest Applications

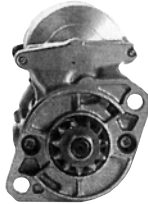
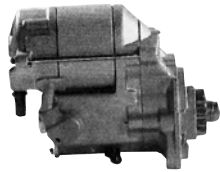
Engine OE	Model	P/N	Application	Size	Mount	Additional Comments
CAT	6.6L/7.2L engines, Pass Side	228000-9750	Kodiak, Top Kick	12v 4.0kW	SAE #1	Dry Clutch, Ground Stud, Jump Start Protection
CAT	6.6L/7.2L engines MT	428000-1610		12v 4.0kW	SAE #1	Dry Clutch, Ground Stud
INT	DT466E	428000-2690	4300, 4400, 4700, 4900	12v 4.0kW	SAE #3	Wet Clutch, Ground Stud
INT	T444E	228000-7371	4700	12v 4.0kW	SAE #3	Dry Clutch
FORD/NAV.	6.9L/7.3L A/T & MT	228000-8410		12v 4.0kW	SAE #1	Wet Clutch
FORD/NAV.	7.3L A/T & M/T, Direct Injection	228000-8420	Power Stroke	12v 4.0kW	SAE #1	Wet Clutch
CUMMINS	Cummins 6B 5.9L	228000-1953		12v 2.7kW	SAE #1	Wet Clutch, Pass. Side
CUMMINS	Cummins ISB 5.9L	428000-1600	FL70, Pkg. Delivery	12v 2.7kW	SAE #1	Dry Clutch, Ground Stud, Passenger Side
CUMMINS	Cummins ISB 5.9L	228000-2292	Dodge Pick-Up	12v 2.7kW	SAE #1	Dry Clutch, Driver Side
CUMMINS	Cummins ISB 5.9L	228000-7301		12v 2.7kW	SAE #1	Dry Clutch, Ground Stud
CUMMINS	Cummins ISC 8.3L	228000-5311		12v 4.0kW	SAE #3	Dry Clutch, Ground Stud, Driver Side
MERCEDES	Mercedes 906, 926	428000-1881	M2 Bus. Class & Sterling Acterra	12v 4.0kW	SAE #1	Dry Clutch, Ground Stud

**Also Available: OCP By-Pass Kit
053680-8010**



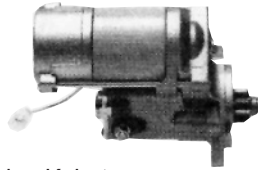
Refrigeration Unit Starters

Unit Type: IIR
kW: 1.4
Volt: 12V
Rotation: CW
Pinion: 11
Applications: Carrier, Kubota
Replaces Carrier
#25-38750-00



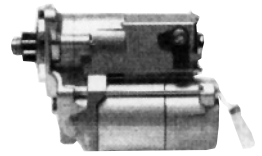
9722809-107

Unit Type: R
kW: 2.0
Volt: 12V
Rotation: CW
Applications: Carrier, Kubota
Replaces Carrier
#25-39291-00



9722809-695

Unit Type: RA
kW: 2.0
Volt: 12V
Rotation: CW
Applications: Carrier
Replaces Carrier
#25-39316-00



9742809-093

Heavy Duty P-8 Series Starters

42800-1442 w/ISS
Applications: Use to upgrade
Delco 40MT 10461025, 10461358
24V

**P/N
LAY 42800-0060**

42800-1422 w/ISS
Applications: Use to upgrade Delco
40MT 10461046, 10461050, 10461171
12V

**P/N
LAY 42800-0050**

42800-1451 w/ISS
Applications: Use to upgrade Delco
10461047, 10461054, 10461068
12V

**P/N
LAY 42800-0070**

Magna Power

B A T T E R I E S

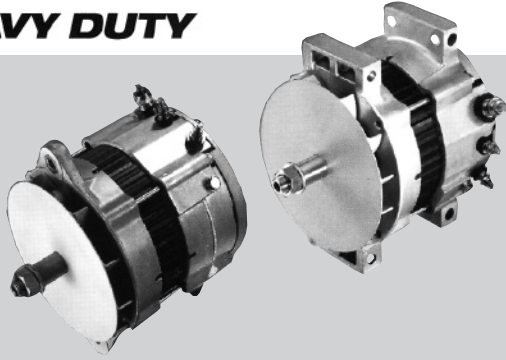


Keep Your Heavy-Duty Equipment Operating with the Industry's Top Commercial Batteries.





Brushless Alternators



- Rated Voltage & Rated Output: 12V - 130A
- Allowable Max RPM: 10,000 rpm
- Allowable Belt Load: 980N max
- Polarity: Negative - Case Grounded
- Rotation: Clockwise (viewed from pulley end)
- Approximate Weight: 22.9 lbs.

- Tested to endure heat producing engines of today & tomorrow
- Long-life brushless design
- Heavy duty front & rear bearings
- Corrosion resistant rectifier & rotor
- Heat resistant windings
- Non-soldered connections for easier service
- Compact & lightweight design
- One wire connection
- Load dump protection
- SAE J180 mount/Pad mount
- **Warranty: 3 years/350,000 miles (on-road applications)**

PART NUMBERS & APPLICATIONS*

	Part Number	Mount	Amperage	B-Terminal	R-Terminal	I-Terminal	Application
12V	101211-8120	J130	90	5/16-18 UNC	3mm Pin	--	CAT C7, C9, C10, C11, C12, C13, C15 3176, 3406; Cummins ISB, ISM, ISX, L-10, M11, N14; Detroit Series 60
	101211-8060	J130	105	5/16-18 UNC	10-24 UNC	10-24 UNC	CAT C7, C9, C10, C11, C12, C13, C15 3406, 3176; Cummins ISB, ISM, ISX, L10, M11, M14, N14; Detroit Series 60; Volvo VE D300, VE-250, VE D12B-345
	101211-8380	Pad Mount	130	5/16-18 UNC	10-24 UNC	10-24 UNC	CAT C7, C9, C11, C13, C15; Cummins ISB, ISM, ISX; Detroit Series 60; Mack E7/E-Tech; Mercedes MBE4000
	101211-8390	Pad Mount	130	5/16-18 UNC	3mm Pin	--	CAT C7, C9, C11, C13, C15; Cummins ISB, ISM, ISX; Detroit Series 60; Mercedes MBE4000
24V	101211-8140	J180	65	5/16-18 UNC	3mm pin	--	Clark Equipment, Consolidated Diesel, Cummins, Detroit Diesel, IHC, J.I. Case, Navistar



211-8000
60 Amp • 12V Alternator
Application: Rigmaster

April 2011 (3Denso)



Iowa	Des Moines 1436 E. Ovid (515) 265-1491 Fax (515) 265-4120 Parts Fax (800) 314-4329 (800) 888-0248	Cedar Rapids 200 50th Ave. S.W. (319) 365-4453 Fax (319) 365-6327 (800) 332-5435 Fax (877) 706-6085	Clear Lake 840 Hwy. 18 W. (641) 357-7101 Fax (641) 357-8190 (800) 397-5630 Fax (800) 548-9674	Missouri	Kansas City 5801 Front St. (816) 471-1552 Fax (816) 471-0813 (800) 821-7402
	Davenport 8502 Northwest Blvd. (563) 322-2671 Fax (563) 322-5940 (800) 553-1886	Sioux City 1819 E. 4 th St. (712) 252-7969 Fax (712) 252-6149 (800) 943-3534	Grandview 14817 So. 71 Hwy. (816) 318-9111 Fax (816) 318-9114 Toll Free (866) 318-9111		