

Bosch Long Haul® Series Alternators & Starters

Medium & Heavy Duty Applications

	Page
Alternators How to Use	2
Alternators Features and Benefits	3
Medium & Heavy Duty Alternator Applications	4
Alternator Cross Reference Replacement Guide	46
Starters How to Use	53
Medium & Heavy Duty Starter Applications	54
Starter Cross Reference Replacement Guide	77

©2013 Robert Bosch LLC. All rights reserved. No portion of this work may be reproduced in any form without the written permission of Robert Bosch LLC.

All Specifications Subject to Change Without Notice.

How to Use

Long Haul® Alternators

How to Use Bosch Easy-Look-Up Format

The Bosch Long Haul Alternator Catalog "easy look-up" format can give you time and effort when looking for a specific application.

1. **Make** is boldly highlighted in a black band across the entire page for clear visibility.
2. **Models** are shown in bold type at the start of each section.
3. **Engine Application** specifies engine size/manufacturer.
4. **OE (Original Equipment) Type** – Original factory-installed unit type.
5. **Mounting Configuration** – Pad Mount or J180
6. **OE (Original Equipment) Amps** – Maximum output rating of original equipment.
7. **Bosch 160 AMP**
8. **Bosch 170 AMP**
9. **Bosch 200 AMP**

 BOSCH		Medium & Heavy Duty Applications					
Long Haul® Alternators		4	5	6	7	8	9
		OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Year	Make/Model Engine Application						
1 AGCO ALLIS — Alternator							
COMBINE R72							
1997-96	Cummins M-11	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 8360							
1997-96	Cummins 6-855	21SI	J180	130	AL9960LH		AL9963SB
	Cummins N-14	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 8425							
1997-96	Cummins 6-855	21SI	J180	130	AL9960LH		AL9963SB
	Cummins N-14	21SI	J180	130	AL9960LH		AL9963SB
	Detroit Diesel 774	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 9655							
1997-95	Detroit Diesel 6-466	21SI	J180	100	AL9960LH		AL9963SB
TRACTOR 9675							
1997-95	Detroit Diesel 6-530	21SI	J180	100	AL9960LH		AL9963SB
TRACTOR 9695							
1997-95	Detroit Diesel 6-530	21SI	J180	100	AL9960LH		AL9963SB
AUTOCAR - Alternator							
Medium & Heavy-Duty Trucks							
All Models (By Engine)							
1979-76	Cummins NTC-250	25SI	J180	75			AL9922LL
1979-76	DD 6V-92	25SI	J180	75			AL9922LL
1979-75	Caterpillar 3306	25SI	J180	75			AL9922LL
1979-75	Cummins KT-450	25SI	J180	75			AL9922LL
1979-75	Cummins NH-230	25SI	J180	75			AL9922LL
1979-75	Cummins NTA-400	25SI	J180	75			AL9922LL
1979-75	Cummins NTC-230	25SI	J180	75			AL9922LL
1979-75	Cummins PT-300	25SI	J180	75			AL9922LL
1979-73	Cummins PT-270	25SI	J180	75			AL9922LL
1979-70	Cummins NTC-290	25SI	J180	75			AL9922LL
1979-70	DD 12V-71N	25SI	J180	75			AL9922LL
1979-70	DD 6V-71	25SI	J180	75			AL9922LL
1979-70	DD 8V-71	25SI	J180	75			AL9922LL
1975-70	Cummins NTC-350	25SI	J180	75			AL9922LL
1975	DD 8V-92	25SI	J180	75			AL9922LL
1974-73	Cummins Super 250	25SI	J180	75			AL9922LL
	Cummins NTA-370	25SI	J180	75			AL9922LL

Advanced Charging Technology



External Heat Dissipating Regulator

is mounted on the back of the unit -- directly in the stream of air that is pulled into the alternator to cool it. This position, in combination with the regulator's heat sink design, allows it to stay cooler and dissipate heat quicker than internally-mounted regulators.

Self Protection Regulator

Bosch regulators equipped with the exclusive Bosch self protection technology automatically begin to reduce voltage output when underhood temperatures exceed 125°C, and allows output to return to normal levels when the temperature drops below 125°C. Competitive units typically fail at temps above 110°C. This feature allows the alternator to continue to provide needed power while protecting internal components from excessive heat.

External Heat Dissipating Rectifier,

also mounted on the rear of the unit, realizes the same cooling advantages as the regulator. In addition, the *press-in design* Bosch diodes in this rectifier are the best in the industry, and the unique body design is less likely to become clogged by heat-damaging debris.

Advanced Temperature-Resistant

Electronics, including an integrated circuit regulator and high amp rectifier diodes, resist vibration and heat to provide longer service under demanding commercial conditions.

Dual Internal Cooling Fans

are specifically designed to optimize the amount of cooling air being pulled through the unit. Air is drawn in from both the front and back of the alternator, driving damaging heat out of the vents circling the housing.

Exclusive Bosch Long-Life Bearing

Technology couples specially heat-treated, long-life steel bearings with a heat-resistant lubricant to withstand heat and wear for miles of reliable service.

Patented Bosch High-Efficiency

Winding Technology uses 30% more copper per available space than conventional OE replacement units for increased efficiency and fuel savings.

Reduced Slip Ring Diameter

significantly diminishes wear on the brushes for longer service life and greater reliability.



Built For the Long Haul

It's all about keeping commercial vehicles on the road. When they're not rolling, time and money are lost. The kind of miles these vehicles put on demands power, and lots of it. That's why you should demand Bosch Ultra Premium Long Haul Alternators.

Advanced Charging Technology

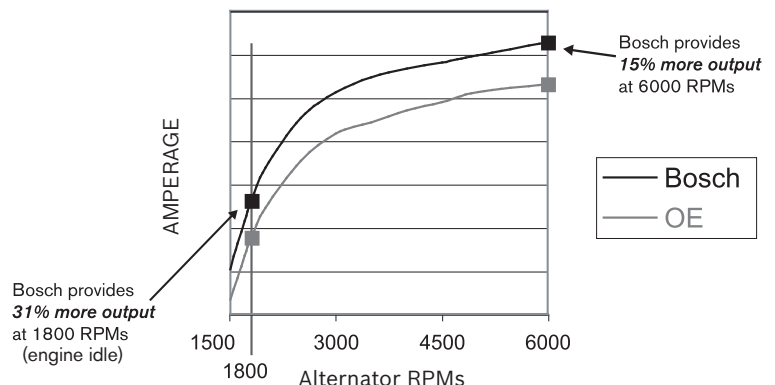
The Bosch Long Hauls represent the next generation of commercial vehicle charging technology, delivering more power and greater efficiency than conventional OE replacement alternators. Bosch's higher charge rate at idle helps maximize battery life by reducing battery deep cycling (figure 1).

Figure 1

Conventional OE Replacement Unit	Bosch AL9960LH
145 Amps	160 Amps
62 Amps at idle	84 amps at idle
55% efficiency	71% efficiency

Figure 2

Performance Curve at 176°F (80°C)
(engine operating temperature)



Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
AGCO ALLIS – Alternator							
COMBINE R72							
1997-96	Cummins M-11	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 8360							
1997-96	Cummins 6-855	21SI	J180	130	AL9960LH		AL9963SB
	Cummins N-14	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 8425							
1997-96	Cummins 6-855	21SI	J180	130	AL9960LH		AL9963SB
	Cummins N-14	21SI	J180	130	AL9960LH		AL9963SB
	Detroit Diesel 774	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 9655							
1997-95	Detroit Diesel 6-466	21SI	J180	100	AL9960LH		AL9963SB
TRACTOR 9675							
1997-95	Detroit Diesel 6-530	21SI	J180	100	AL9960LH		AL9963SB
TRACTOR 9695							
1997-95	Detroit Diesel 6-530	21SI	J180	100	AL9960LH		AL9963SB
AUTOCAR - Alternator							
Medium & Heavy-Duty Trucks							
All Models (By Engine)							
1979-76	Cummins NTC-250	25SI	J180	75			AL9922LL
1979-76	DD 6V-92	25SI	J180	75			AL9922LL
1979-75	Caterpillar 3306	25SI	J180	75			AL9922LL
1979-75	Cummins KT-450	25SI	J180	75			AL9922LL
1979-75	Cummins NH-230	25SI	J180	75			AL9922LL
1979-75	Cummins NTA-400	25SI	J180	75			AL9922LL
1979-75	Cummins NTC-230	25SI	J180	75			AL9922LL
1979-75	Cummins PT-300	25SI	J180	75			AL9922LL
1979-73	Cummins PT-270	25SI	J180	75			AL9922LL
1979-70	Cummins NTC-290	25SI	J180	75			AL9922LL
1979-70	DD 12V-71N	25SI	J180	75			AL9922LL
1979-70	DD 6V-71	25SI	J180	75			AL9922LL
1979-70	DD 8V-71	25SI	J180	75			AL9922LL
1975-70	Cummins NTC-350	25SI	J180	75			AL9922LL
1975	DD 8V-92	25SI	J180	75			AL9922LL
1974-73	Cummins Super 250	25SI	J180	75			AL9922LL
1974-70	Cummins NTA-370	25SI	J180	75			AL9922LL
1974-70	Cummins NTC-335	25SI	J180	75			AL9922LL
1972-70	Caterpillar 1673, 1674, 1693 / TA	25SI	J180	75			AL9922LL
1972-70	Cummins NHC-250	25SI	J180	75			AL9922LL
1972-70	Cummins NTC-270	25SI	J180	75			AL9922LL
1972-70	Cummins V-903	25SI	J180	75			AL9922LL
CASE - Farm Tractor							
Farm Tractor 9150							
1990-86	Cummins 6-611 Dsl	30SI	J180	90			AL9922LL
Farm Tractor 9170							
1989-88	Cummins 6-855 Dsl	30SI	J180	90			AL9922LL
Farm Tractor 9180							
1990-86	Cummins 6-855 Dsl	30SI	J180	90			AL9922LL
Farm Tractor 9190							
1991-87	Cummins 6-1150 Dsl	30SI	J180	90			AL9922LL
CATERPILLAR – Alternator							
TRACTOR - FARM 35 CHALLENGER							
1994-On	3116 Engine	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR - FARM 45 CHALLENGER							
1994-On	3116 Engine	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR - FARM 55 CHALLENGER							
1995-On	3126 Engine	21SI	J180	130	AL9960LH		AL9963SB
	Perkins 7258	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR - FARM 75 CHALLENGER							
1997-On	3176 Engine	21SI	J180	145	AL9960LH		AL9963SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
CATERPILLAR – Alternator (cont'd)							
TRACTOR - FARM 85 CHALLENGER							
1997-95	3176 Engine	21SI	J180	145	AL9960LH		AL9963SB
CATERPILLAR - Engines - Industrial Alternators							
1997-On	3196	30SI	J180	105			AL9922LL
1997-92	3176	30SI	J180	105			AL9922LL
1993-86	3412	25SI	J180	75			AL9922LL
1993-86	3512	25SI	J180	75			AL9922LL
1993-86	3516	25SI	J180	75			AL9922LL
1993-85	3306	25SI	J180	75			AL9922LL
1993-70	3406	25SI	J180	75			AL9922LL
1993-70	3408	25SI	J180	75			AL9922LL
1977-71	1693	25SI	J180	75			AL9922LL
1975-69	3145	25SI	J180	75			AL9922LL
1975-69	3150	25SI	J180	75			AL9922LL
1975-69	3160	25SI	J180	75			AL9922LL
Pipelayers - 594H							
1985-79	D-353 Diesel	25SI	J180	75			AL9922LL
1978-74	D-353 Diesel	25SI	J180	75			AL9922LL
Track Tractors - D8H							
1974-69		25SI	J180	75			AL9922LL
Track Tractors - D9G							
1974-69		25SI	J180	75			AL9922LL
CHAMPION - Graders - Alternators							
710							
1991-77	Cummins 5.9	30SI	J180	105			AL9922LL
715							
1983-76	DDAD 4-71	30SI	J180	105			AL9922LL
720							
1998-89	Cummins 8.3	30SI	J180	105			AL9922LL
1988-75	DD 6-71	30SI	J180	105			AL9922LL
730							
1998-85	Cummins 8.3	30SI	J180	105			AL9922LL
740							
1991-75	DD 6-71	30SI	J180	105			AL9922LL
1985-75	Cummins N-855C	30SI	J180	105			AL9922LL
750							
1994-87	Cummins L-10	30SI	J180	105			AL9922LL
760							
1991-85	Cummins L-10	30SI	J180	105			AL9922LL
1985-75	Cummins N-855C	30SI	J180	105			AL9922LL
780							
1991-85	Cummins L-10	30SI	J180	105			AL9922LL
562D							
1992-75	Cummins Diesel	30SI	J180	90			AL9922LL
600D							
1992-75	Cummins Diesel	30SI	J180	90			AL9922LL
710A							
1998-77	Cummins 5.9	30SI	J180	105			AL9922LL
715A							
1983-76	DDAD 4-71	30SI	J180	105			AL9922LL
716A							
1998-92	Cummins 5.9	30SI	J180	105			AL9922LL
720A							
1998-89	Cummins 8.3	30SI	J180	105			AL9922LL
1991-83	DD 4-71	30SI	J180	105			AL9922LL
726A							
1998-92	Cummins 8.3	30SI	J180	105			AL9922LL
730A							
1998-85	Cummins 8.3	30SI	J180	105			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
CHAMPION - Graders - Alternators (cont'd)							
736A							
1998-92	Cummins 8.3	30SI	J180	105			AL9922LL
740A							
1998-91	Cummins L-10	30SI	J180	105			AL9922LL
1998-91	Cummins M11	30SI	J180	105			AL9922LL
750A							
1998-95	Cummins M11	30SI	J180	105			AL9922LL
1998-87	Cummins L-10	30SI	J180	105			AL9922LL
780A							
1998-95	Cummins M11	30SI	J180	105			AL9922LL
1998-86	Cummins L-10	30SI	J180	105			AL9922LL
CHEVROLET - Alternator							
Medium & Heavy-Duty Trucks							
All Models (By Engine)							
2000-91	Cat 3116 (6.6L - 403)	22SI	J180	100-130	AL9960LH		AL9963SB
1993-89	DD 8.2L (N, T)	21SI	J180	100-130	AL9960LH		AL9963SB
1993-86	Caterpillar 3208	30SI	J180	90			AL9922LL
1993-84	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
1992-91	Cummins K Series	21SI	J180	100	AL9960LH		AL9963SB
1989-87	DD 60 Series	25SI	J180	75			AL9922LL
1989-87	DD 60 Series	30SI	J180	90			AL9922LL
1989-79	Cummins NTC-350	30SI	J180	90			AL9922LL
1989-73	Cummins NTC-350	25SI	J180	75			AL9922LL
1988-84	DD 8.2L (N, T)	25SI	J180	75			AL9922LL
1988-82	Caterpillar 3406	30SI	J180	90			AL9922LL
1988-80	Caterpillar 3406	25SI	J180	75			AL9922LL
1988-79	DD 8V-92 (T)	30SI	J180	90			AL9922LL
1988-77	DD 6V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1988-77	DD 6V-92 (T, TA, TTA)	30SI	J180	90			AL9922LL
1988-77	DD 8V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1988-75	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
1988-69	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1988-69	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1986-84	Cummins NTC-300	25SI	J180	75			AL9922LL
1986-84	Cummins NTC-300	30SI	J180	90			AL9922LL
1986-84	Cummins NTC-300	30SI	J180	90			AL9922LL
1983-79	Cummins NTC-400	25SI	J180	75			AL9922LL
1983-79	Cummins NTC-400	30SI	J180	90			AL9922LL
1983-77	Cummins NTC-290	30SI	J180	90			AL9922LL
1983-73	Cummins NTC-290	25SI	J180	75			AL9922LL
1978-77	Caterpillar 3408	25SI	J180	75			AL9922LL
1978-75	Cummins VT-350	25SI	J180	75			AL9922LL
1978-72	DD 12V-71	25SI	J180	75			AL9922LL
1976-75	DD 8V-92 (T)	25SI	J180	75			AL9922LL
1974-72	Cummins V8-903	25SI	J180	75			AL9922LL
1974-71	Cummins NH-230	25SI	J180	75			AL9922LL
1974-71	Cummins NHC-250	25SI	J180	75			AL9922LL
1974-69	Cummins NTC-335	25SI	J180	75			AL9922LL
1972-69	Cummins NHCT-270	25SI	J180	75			AL9922LL
1979	Cummins NTC-250	25SI	J180	75			AL9922LL
CHEVROLET - Alternator							
Medium & Heavy-Duty Trucks							
C50							
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9922LL
C5500							
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9922LL
C60							
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9922LL
1990-89	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
1989	Caterpillar 3208	30SI	J180	90			AL9922LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
CHEVROLET - Alternator (cont'd)							
C6500							
2005-03	Cat. 7.2L C7 Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
2005-03	Duramax 7.8L Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
2002-98	Caterpillar 3126	22SI	J180	130-160	AL9960LH		AL9963SB
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9963SB
1990-89	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
C70							
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9922LL
1990-89	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
1989	Caterpillar 3208	30SI	J180	90			
C7500							
2005-03	Cat. 7.2 L C7 Dsl	22SI	Pad	100-160		AL9920LL	AL9921LL
2005-03	Duramax 7.8L Dsl	22SI	Pad	100-160		AL9920LL	AL9921LL
2002-98	Caterpillar 3126	22SI	J180	130-160	AL9960LH		AL9922LL
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9922LL
1990-89	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
C80							
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9922LL
1990-89	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
C8500							
2005-03	Cat. 7.2 L C7 Dsl	22SI	Pad	100-160		AL9920LL	AL9921LL
2005-03	Duramax 7.8L Dsl	22SI	Pad	100-160		AL9920LL	AL9921LL
2002-98	Caterpillar 3126	22SI	J180	130-160	AL9960LH		AL9963SB
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9963SB
1990-89	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
D9K Titan							
1989-79	Cummins NTC Engines	25SI	J180	75			AL9922LL
1989-79	Cummins NTC Engines	30SI	J180	90			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	30SI	J180	90			AL9922LL
1988-79	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1988-79	DD 8V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1988-79	DD 8V-92 (T)	25SI	J180	75			AL9922LL
1988-79	DD 8V-92 (T)	30SI	J180	90			AL9922LL
1986-82	Caterpillar 3406	30SI	J180	90			AL9922LL
1986-79	Caterpillar 3406	25SI	J180	75			AL9922LL
1984-79	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1984-79	DD 6V-71 (N, NE, T)	30SI	J180	90			AL9922LL
D9L Titan							
1989-79	Cummins NTC Engines	25SI	J180	75			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	30SI	J180	90			AL9922LL
1988-79	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1988-79	DD 8V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1988-79	DD 8V-92 (T)	25SI	J180	75			AL9922LL
1988-79	DD 8V-92 (T)	30SI	J180	90			AL9922LL
1984-79	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1984-79	DD 6V-71 (N, NE, T)	30SI	J180	90			AL9922LL
DC90 Titan							
1978-77	Cummins NTC Engines	25SI	J180	75			AL9922LL
DH90							
1978-77	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
D190							
1978-77	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
DJ90 Titan							
1978-77	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
DK90							
1976-75	DD 8V-92 (T)	25SI	J180	75			AL9922LL
DN90							
1974-71	Cummins NH-230	25SI	J180	75			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
CHEVROLET - Alternator (cont'd)							
DN90 (cont'd)							
1974-71	Cummins NHC-250	25SI	J180	75			AL9922LL
DP90							
1978-71	DD 12V-71	25SI	J180	75			AL9922LL
FC90 Titan							
1978-71	Cummins NTC Engines	25SI	J180	75			AL9922LL
FH90							
1978-71	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
FI90							
1978-71	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
FJ90 Titan							
1978-74	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
FK90							
1976-75	DD 8V-92 (T)	25SI	J180	75			AL9922LL
FN90							
1974-71	Cummins NH-230	25SI	J180	75			AL9922LL
1974-71	Cummins NHC-250	25SI	J180	75			AL9922LL
HC90							
1978-71	Cummins NTC Engines	25SI	J180	75			AL9922LL
HH90							
1978-71	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
HJ90							
1978-77	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
J8C / J9C Bruin							
1989-83	Cummins L-10	30SI	J180	90			AL9922LL
1989-83	Cummins L-10	25SI	J180	75			AL9922LL
1989-77	Cummins NTC Engines	30SI	J180	90			AL9922LL
1989-73	Cummins NTC Engines	25SI	J180	75			AL9922LL
1988-86	Caterpillar 3208	30SI	J180	90			AL9922LL
1988-84	DD 8.2L (N, T)	30SI	J180	90			AL9922LL
1988-84	DD 8.2L (N, T)	25SI	J180	75			AL9922LL
1988-79	DD 6V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	30SI	J180	90			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
1986-83	DD 8V-92 (T)	30SI	J180	90			AL9922LL
1986-79	DD 8V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1986-79	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1984-79	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
JC90							
1978-71	Cummins NTC Engines	25SI	J180	75			AL9922LL
JH90							
1978-71	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
JJ90							
1978-77	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
MC90							
1978-77	Cummins NTC Engines	30SI	J180	90			AL9922LL
1978-71	Cummins NTC Engines	25SI	J180	75			AL9922LL
MH90							
1978-77	DD 8V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1978-69	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
MI90							
1970-69	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
N9E / N9F Bison							
1989-83	Cummins L-10	25SI	J180	75			AL9922LL
1989-83	Cummins L-10	30SI	J180	90			AL9922LL
1988-79	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1988-79	DD 6V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	25SI	J180	75			AL9922LL
1988-79	DD 6V-92 (T, TA, TTA)	30SI	J180	90			AL9922LL
1988-79	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
CHEVROLET - Alternator (cont'd)							
N9E / N9F Bison (cont'd)							
1988-79	DD 8V-71 (N, NE, T)	30SI	J180	90			AL9922LL
1988-79	DD 8V-92 (T)	30SI	J180	90			AL9922LL
1988-76	Cummins NTC Engines	25SI	J180	75			AL9922LL
1988-76	Cummins NTC Engines	30SI	J180	90			AL9922LL
1987-82	Caterpillar 3406	30SI	J180	90			AL9922LL
1987-79	Caterpillar 3406	25SI	J180	75			AL9922LL
NH90							
1978-77	DD 8V-71 (N, NE, T)	25SI	J180	75			AL9922LL
1978-77	DD 8V-71 (N, NE, T)	30SI	J180	90			AL9922LL
NI90							
1978-77	DD 6V-71 (N, NE, T)	30SI	J180	90			AL9922LL
P Series							
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9963SB
Topkick / Kodiak							
2005-03	Cat. 7.2L C7 Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
2005-03	Duramax 7.8L Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
1990-82	Caterpillar 3208	30SI	J180	90			AL9922LL
T5500							
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9963SB
T6500							
2005-98	Duramax 7.8L Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
2002-98	Caterpillar 3126	22SI	J180	130-160	AL9960LH		AL9963SB
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9963SB
T7500							
2005-98	Duramax 7.8L Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
2002-98	Caterpillar 3126	22SI	J180	130-160	AL9960LH		AL9963SB
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9963SB
T8500							
2005-98	Duramax 7.8L Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
2002-98	Caterpillar 3126	22SI	J180	130-160	AL9960LH		AL9963SB
2000-91	Caterpillar 3116	22SI	J180	100-160	AL9960LH		AL9963SB
TW90							
1976-71	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
WW90							
1976-71	DD 6V-71 (N, NE, T)	25SI	J180	75			AL9922LL
FORD - AG — Alternator							
TRACTOR 8670							
1997-94	6-456 Diesel	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 8770							
1997-94	6-456 Diesel	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 8870							
1997-94	6-456 Diesel	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 8970							
1997-94	6-456 Diesel	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 9280							
1997-94	Cummins LT-10A	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 9480							
1997-94	Cummins NTA-855	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 9680							
1997-94	Cummins NTA-855	21SI	J180	130	AL9960LH		AL9963SB
TRACTOR 9880							
1997-94	Cummins NTA-855	21SI	J180	130	AL9960LH		AL9963SB
FORD - Alternator							
Medium & Heavy-Duty Trucks							
All Models							
1998-95	All	21SI, 22SI	J180	100-145	AL9960LH		AL9963SB
1994-91	All	21SI	J180	100-130	AL9960LH		AL9963SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
FORD - Alternator (cont'd)							
F-650 Super-Duty							
2006-04	Caterpillar 7.2L C7 Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
F-750 Super-Duty							
2006-04	Caterpillar 7.2L C7 Dsl	22SI	Pad	100-160	AL9961LH		AL9962SB
L6000 / 7000 / 8000 / 9000							
1999-97	Caterpillar C-10	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-97	Caterpillar C-12	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-95	Caterpillar 3126	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-95	Caterpillar 3176	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-95	Caterpillar 3208	25,26,30,33,35SI	J180	75-135			AL9922LL
1999-95	Caterpillar 3306	25,26,30,33,35SI	J180	75-135			AL9922LL
1999-95	Caterpillar 3406	25,26,30,33,35SI	J180	75-135			AL9922LL
1999-95	Cummins 5.9L-359 (FD1060)	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-95	Cummins 8.3L-504 (FD1460)	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-95	Cummins L-10	25,26,30,33,35SI	J180	75-135			AL9922LL
1999-95	Cummins M11	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-95	Cummins N14	25,26,30,33,35SI	J180	85-135			AL9922LL
1999-95	DD 60 Series	25,26,30,33,35SI	J180	85-135			AL9922LL
1990-82	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1989-82	Cummins 855 (NHC, NTC)	25,30SI	J180	75-90			AL9922LL
1989-82	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1989-82	Ford 6.6L(401) V8 Dsl	25,30SI	J180	75-90			AL9922LL
1989-82	Ford 7.8L(476) V8 Dsl	25,30SI	J180	75-90			AL9922LL
1988-82	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1988-82	DD 8V-92	25,30SI	J180	75-90			AL9922LL
1984-82	Cummins KT-1150	25,30SI	J180	75-90			AL9922LL
1156							
92-88	Cummins Diesel	30SI	J180	90			AL9922LL
FW-20							
82-77	Cummins 8-555	30SI	J180	90			AL9922LL
FW-30							
82-77	Cummins 8-903	30SI	J180	90			AL9922LL
FW-40							
79-77	Cummins 8-903	30SI	J180	90			AL9922LL
FW-60							
82-77	Cummins 8-903	30SI	J180	90			AL9922LL
Freightliner - Alternator							
Argosy							
2003-00	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2003-00	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-00	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2003-00	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-00	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2003	Caterpillar C-16	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB
2003	Mercedes MBE4000	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003	Mercedes MBE4000	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2002-00	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2002-00	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
Cascadia							
2011-08	DD 60 Series	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD13	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD15	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD16	ALL	Pad	110-170		AL9920LL	AL9921LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Freightliner - Alternator (cont'd)							
Cascadia (cont'd)							
2011-08	Mercedes MBE4000	ALL	Pad	110-170		AL9920LL	AL9921LL
C112 Century Class							
2011-99	DD 60 Series	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-99	Mercedes MBE4000	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Caterpillar C-13	ALL	Pad	110-140		AL9920LL	AL9921LL
2011-01	Caterpillar C-15	ALL	Pad	110-140		AL9920LL	AL9921LL
2004-99	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2004-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2004-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-99	Cummins N14	33,35,36SI	J180	110-170			AL9922LL
2003-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2000-99	Caterpillar 3176	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins L-10	33SI	J180	110-135			AL9922LL
2000-99	Cummins M11	33SI	J180	110-135			AL9922LL
1998-96	DD 60 Series	33SI	J180	110-135			AL9922LL
1999	Caterpillar 3176	Denso Brushless	J180	130			AL9922LL
1999	Caterpillar 3406	Denso Brushless	J180	130			AL9922LL
1999	Caterpillar C-10	Denso Brushless	J180	130			AL9922LL
1999	Caterpillar C-12	Denso Brushless	J180	130			AL9922LL
1999	Cummins ISM	Denso Brushless	J180	130			AL9922LL
1999	Cummins ISX	Denso Brushless	J180	130			AL9922LL
1999	Cummins L-10	Denso Brushless	J180	130			AL9922LL
1999	Cummins N14	Denso Brushless	J180	130			AL9922LL
1999	DD 60 Series	Denso Brushless	Pad	130		AL9920LL	AL9921LL
C120 Century Class							
2007-99	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Mercedes MBE4000	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Mercedes MBE4000	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2004-99	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2004-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2004-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-99	Cummins N14	33,35,36SI	J180	110-170			AL9922LL
2003-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2000-99	Caterpillar 3176	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins L-10	33SI	J180	110-135			AL9922LL
2000-99	Cummins M11	33SI	J180	110-135			AL9922LL
1998-96	DD 60 Series	33SI	J180	110-135			AL9922LL
Classic							
2011-99	DD 60 Series	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-99	Mercedes MBE4000	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Freightliner - Alternator (cont'd)							
Classic (cont'd)							
2004-99	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2004-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2004-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2004-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2004-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-99	Caterpillar - C12	22SI	J180	130-145	AL9960LH		AL9963SB
2003-99	Caterpillar - C15	22SI	J180	130-145	AL9960LH		AL9963SB
2003-96	Cummins N14	22SI	J180	130-145	AL9960LH		AL9963SB
2003-90	Cummins N14	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2003-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2001-99	Cummins ISM	22SI	J180	130-145	AL9960LH		AL9963SB
2001-99	Cummins ISX	22SI	J180	130-145	AL9960LH		AL9963SB
2000-99	Caterpillar 3176	22SI	J180	130-145	AL9960LH		AL9963SB
2000-99	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2000-99	Caterpillar 3406	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2000-99	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins L-10	33SI	J180	110-135			AL9922LL
2000-99	Cummins M11	33SI	J180	110-135			AL9922LL
2000-96	Cummins M11	22SI	J180	130-145	AL9960LH		AL9963SB
1998-96	DD series 60	22SI	J180	130-145	AL9960LH		AL9963SB
1998-90	Caterpillar 3406	22SI	J180	130-145	AL9960LH		AL9963SB
1998-90	DD 60 Series	25,26,30,33,34SI	J180	85-135			AL9922LL
MED. & HD - C112 CENTURY CLASS							
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB
2004-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
1998-96	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Caterpillar C-10	21SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Caterpillar C-12	21SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Cummins M11	21SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
1998-96	DD Series 60	21SI	J180	100-145	AL9960LH		AL9963SB
MED. & HD - C120 CENTURY CLASS							
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN; w/Lamp Driver Reg	Pad	140	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN; w/Std. Reg.	Pad	160	AL9961LH		AL9962SB
2007-01	Mercedes Benz MBE4000	LN; w/Lamp Driver Reg	Pad	140	AL9961LH		AL9962SB
2007-01	Mercedes Benz MBE4000	LN; w/Std. Reg.	Pad	160	AL9961LH		AL9962SB
2004-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2004-01	Cummins ISM	LN; w/Lamp Driver Reg	Pad	140	AL9961LH		AL9962SB
2004-01	Cummins ISM	LN; w/Std. Reg.	Pad	160	AL9961LH		AL9962SB
2003-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISX	LN; w/Lamp Driver Reg	Pad	140	AL9961LH		AL9962SB
2003-01	Cummins ISX	LN; w/Std. Reg.	Pad	160	AL9961LH		AL9962SB
2003-96	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-96	Caterpillar C12	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-96	Cummins L10	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
	Cummins M11	21SI,22SI	J180	100-145	AL9960LH		AL9963SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Freightliner - Alternator (cont'd)							
MED. & HD - C120 CENTURY CLASS (cont'd)							
2000-96	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
	Caterpillar C10	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
Columbia							
2011-99	Caterpillar C-15	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-99	DD 60 Series	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-99	Mercedes MBE4000	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Caterpillar C-13	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB
2004-99	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2004-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2004-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2004-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2004-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2004	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2003-99	Caterpillar - C12	22SI	J180	130-145	AL9960LH		AL9963SB
2003-02	Caterpillar - C15	22SI	J180	130-145	AL9960LH		AL9963SB
2003-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-01	Cummins N14	22SI	J180	130-145	AL9960LH		AL9963SB
2003-01	Cummins N14	33,35,36SI	J180	110-170			AL9922LL
2003-01	Mercedes MBE 4000	22SI	J180	130-145	AL9960LH		AL9963SB
2002-98	Cummins ISM	Denso Brushless	J180	130			AL9922LL
2001	Cummins ISM	22SI	J180	130-145	AL9960LH		AL9963SB
2001	Cummins ISX	22SI	J180	130-145	AL9960LH		AL9963SB
2000-99	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISX	Denso Brushless	J180	130			AL9922LL
2000	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2000	DD 60 Series	Denso Brushless	Pad	130		AL9920LL	AL9921LL
1998-94	Cummins M11	Denso Brushless	J180	130			AL9922LL
Coronado							
2011-08	Cummins ISX	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD13	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD15	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD16	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-03	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-03	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-03	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2006-00	DD 60 Series	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2002-99	Cummins ISX	Denso Brushless	J180	130			AL9922LL
2002-98	Cummins ISM	Denso Brushless	J180	130			AL9922LL
2002-94	CUMMINS N14	Denso Brushless	J180	130			AL9922LL
2000-06	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
1998-94	Cummins M11	Denso Brushless	J180	130			AL9922LL
2003	Caterpillar - C15	22SI	J180	130-145	AL9960LH		AL9963SB
MED. & HD - FC 80							
1998	Cummins ISB	22SI	J180	100-145	AL9960LH		AL9963SB
MED. & HD - FL 50							
2004-00	Mercedes Benz MBE900	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Mercedes MBE900	22SI	J180	100-145	AL9960LH		AL9963SB
2003-98	Caterpillar 3126	22SI	J180	100-145	AL9960LH		AL9963SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Freightliner - Alternator (cont'd)							
MED. & HD - FL 50 (cont'd)							
	Cummins C 8.3L	22SI	J180	100-145	AL9960LH		AL9963SB
	Cummins 5.9L ISB	22SI	J180	100-145	AL9960LH		AL9963SB
MED. & HD - FL 60							
2004-03	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2004-00	Mercedes Benz MBE900	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Mercedes MBE900	22SI	J180	100-145	AL9960LH		AL9963SB
2003-98	Caterpillar 3126	22SI	J180	100-145	AL9960LH		AL9963SB
2003-98	Cummins C 8.3L	22SI	J180	100-145	AL9960LH		AL9963SB
2003-98	Cummins 5.9L ISB	22SI	J180	100-145	AL9960LH		AL9963SB
MED. & HD - FL 70							
2005-04	Caterpillar C-7	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-03	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-00	Mercedes Benz MBE900	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Mercedes MBE900	22SI	J180	100-145	AL9960LH		AL9963SB
2003-98	Caterpillar 3126	22SI	J180	100-145	AL9960LH		AL9963SB
2003-98	Cummins C 8.3L	22SI	J180	100-145	AL9960LH		AL9963SB
	Cummins 5.9L ISB	22SI	J180	100-145	AL9960LH		AL9963SB
MED. & HD - FL 80							
2005-04	Caterpillar C-7	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-03	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-00	Mercedes Benz MBE900	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Mercedes MBE900	22SI	J180	100-145	AL9960LH		AL9963SB
2003-98	Caterpillar 3126	22SI	J180	100-145	AL9960LH		AL9963SB
	Cummins C 8.3L	22SI	J180	100-145	AL9960LH		AL9963SB
	Cummins 5.9L ISB	22SI	J180	100-145	AL9960LH		AL9963SB
MED. & HD - FL 90							
1993-92	Cummins 5.9L	21SI	J180	100-145	AL9960LH		AL9963SB
	Cummins C 8.3L	21SI	J180	100-145	AL9960LH		AL9963SB
	DD Series 50 8.5L	21SI	J180	100-145	AL9960LH		AL9963SB
	Mercedes OM366	21SI	J180	100-145	AL9960LH		AL9963SB
1991-89	Cummins C 8.3L	21SI	J180	100-145	AL9960LH		AL9963SB
	Mercedes OM366	21SI	J180	100-145	AL9960LH		AL9963SB
FL106							
2007-04	Mercedes Benz MBE900	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-04	Mercedes Benz MBE900	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-99	DD 50 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-99	DD 50 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-99	DD Series 50 8.5L	LN; w/Lamp Driver Reg	Pad	140	AL9961LH		AL9962SB
2003-99	DD Series 50 8.5L	LN; w/Std. Reg.	Pad	160	AL9961LH		AL9962SB
1998-96	DD 50 Series	33SI	J180	110-135			AL9922LL
FL 90							
1993-92	Cummins 5.9L ISB	25,26,30SI	J180	85-105			AL9922LL
1993-92	DD 50 Series	25,26,30SI	J180	85-105			AL9922LL
1993-89	Cummins 8.3L ISC	25,26,30SI	J180	85-105			AL9922LL
1993-89	Mercedes OM366	25,26,30SI	J180	85-105			AL9922LL
MED. & HD - FLA 120							
1993-90	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
	Caterpillar 3306	21SI	J180	100-145	AL9960LH		AL9963SB
	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
	Cummins C 8.3L	21SI	J180	100-145	AL9960LH		AL9963SB
	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
	DD 8V-92	21SI	J180	100-145	AL9960LH		AL9963SB
1993-90	DDC 11.1	21SI	J180	100-145	AL9960LH		AL9963SB
	DDC 12.7	21SI	J180	100-145	AL9960LH		AL9963SB
1989	Caterpillar 3176	21SI	J180	100	AL9960LH		AL9963SB
	Caterpillar 3306	21SI	J180	100	AL9960LH		AL9963SB
	Caterpillar 3406	21SI	J180	100	AL9960LH		AL9963SB
	Cummins C 8.3L	21SI	J180	100	AL9960LH		AL9963SB
	Cummins L-10	21SI	J180	100	AL9960LH		AL9963SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Freightliner - Alternator (cont'd)							
MED. & HD - FLA 120 (cont'd)							
1989	Cummins N14	21SI	J180	100	AL9960LH		AL9963SB
	DD 8V-92	21SI	J180	100	AL9960LH		AL9963SB
	DDC 11.1	21SI	J180	100	AL9960LH		AL9963SB
	DDC 12.7	21SI	J180	100	AL9960LH		AL9963SB
MED. & HD - FLB 112,120							
1999-98	Caterpillar 3176	22SI	J180	130-145	AL9960LH		AL9963SB
	Caterpillar 3306	22SI	J180	130-145	AL9960LH		AL9963SB
	Caterpillar 3406	22SI	J180	130-145	AL9960LH		AL9963SB
	Cummins L-10	22SI	J180	130-145	AL9960LH		AL9963SB
	Cummins M11	22SI	J180	130-145	AL9960LH		AL9963SB
	Cummins N14	22SI	J180	130-145	AL9960LH		AL9963SB
1997-94	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
	Caterpillar 3306	21SI	J180	100-145	AL9960LH		AL9963SB
	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
	Caterpillar C-10	21SI	J180	100-145	AL9960LH		AL9963SB
	Caterpillar C-12	21SI	J180	100-145	AL9960LH		AL9963SB
	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
	Cummins M11	21SI	J180	100-145	AL9960LH		AL9963SB
	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
	DD Series 60	21SI	J180	100-145	AL9960LH		AL9922LL
FL, FLC 112 / 120							
2003-99	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-98	Caterpillar C-12	33SI	J180	110-135			AL9922LL
2003-94	Caterpillar C-12	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-02	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB
2003-02	Mercedes MBE4000	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-02	Mercedes MBE4000	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-00	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2003-00	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-00	Mercedes MBE 900	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003	Caterpillar 3126	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2001-98	Caterpillar C-10	33SI	J180	110-135			AL9922LL
2001-98	Cummins M11	33SI	J180	110-135			AL9922LL
2001-94	Caterpillar C-10	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2001-86	Cummins N14	25,26,30,33SI	J180	75-135			AL9922LL
2000-93	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-98	Caterpillar 3176	Denso Brushless	J180	130			AL9922LL
1999-98	Caterpillar 3306	Denso Brushless	J180	105-130			AL9922LL
1999-98	Caterpillar C-10	Denso Brushless	J180	105-130			AL9922LL
1999-98	Caterpillar C-12	Denso Brushless	J180	105-130			AL9922LL
1999-98	Cummins L-10	Denso Brushless	J180	105-130			AL9922LL
1999-98	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1999-98	Cummins N14	Denso Brushless	J180	105-130			AL9922LL
1999-98	DD 60 Series	Denso Brushless	Pad	130		AL9920LL	AL9921LL
1999-90	Cummins L-10	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-86	Caterpillar 3176	25,26,30,33SI	J180	75-135			AL9922LL
1999-86	Caterpillar 3306	25,26,30,33SI	J180	75-135			AL9922LL
1999-86	Caterpillar 3406	25,26,30,33SI	J180	75-135			AL9922LL
1999-86	Caterpillar 3406	Denso Brushless	J180	105-130			AL9922LL
1999-86	Cummins L-10	25,26,30,33SI	J180	75-135			AL9922LL
1998-86	DD 60 Series	25,26,30,33SI	J180	75-135			AL9922LL
1993-90	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1993-90	DD 6V-92	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1993-86	Cummins 8.3L ISC	25,26,30SI	J180	75-105			AL9922LL
1993-79	DD 6V-92	25,26,30SI	J180	75-105			AL9922LL
1987-82	Cummins 855 / BC III	25,30SI	J180	75-90			AL9922LL
1987-79	Caterpillar 3408	25,30SI	J180	75-90			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Freightliner - Alternator (cont'd)							
FL, FLC 112 / 120 (cont'd)							
1987-79	Cummins 555	25,30SI	J180	75-90			AL9922LL
1987-79	Cummins V-903	25,30SI	J180	75-90			AL9922LL
1983-79	Cummins K Series	25,30SI	J180	75-90			AL9922LL
1981-79	Cummins NTA / NTC	25SI	J180	75			AL9922LL
1998	Cummins 6B	Denso Brushless	J180	130			AL9922LL
1989	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
1989	Caterpillar 3306	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1989	Caterpillar 3306	21SI	J180	100-145	AL9960LH		AL9963SB
1989	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1989	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
1989	Cummins C 8.3L	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1989	Cummins C 8.3L	21SI	J180	100-145	AL9960LH		AL9963SB
1989	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1989	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
1989	DD 6V-92	21SI	J180	100-145	AL9960LH		AL9963SB
1989	DD 8V-92	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1989	DD 8V-92	21SI	J180	100-145	AL9960LH		AL9963SB
1989	DDC 11.1	21SI	J180	100-145	AL9960LH		AL9963SB
1989	DDC 11.1	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1989	DDC 12.7	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1989	DDC 12.7	21SI	J180	100-145	AL9960LH		AL9963SB
FLD 112 / 120							
2011-99	DD 60 Series	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-01	Caterpillar C-15	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-01	Mercedes MBE4000	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-04	Cummins N14	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Cummins N14	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2005-01	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2005-01	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-98	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2003-94	Caterpillar C-12	22SI	J180	130-145	AL9960LH		AL9963SB
2003-86	Cummins N14	25,26,30,33SI	J180	75-135			AL9922LL
2003-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2001-98	Caterpillar 3176	22SI	J180	130-145	AL9960LH		AL9963SB
2001-98	Caterpillar 3306	22SI	J180	130-145	AL9960LH		AL9963SB
2001-98	Caterpillar 3406	22SI	J180	130-145	AL9960LH		AL9963SB
2001-98	Caterpillar C-10	22SI	J180	130-145	AL9960LH		AL9963SB
2001-98	Cummins L-10	22SI	J180	130-145	AL9960LH		AL9963SB
2001-98	Cummins M11	22SI	J180	130-145	AL9960LH		AL9963SB
2001-98	Cummins N14	22SI	J180	130-145	AL9960LH		AL9963SB
2000-98	Caterpillar C-10	33SI	J180	110-135			AL9922LL
2000-98	Cummins L-10	25,26,30,33SI	J180	75-135			AL9922LL
2000-98	Cummins M11	33SI	J180	110-135			AL9922LL
2000-86	Caterpillar 3176	25,26,30,33SI	J180	75-135			AL9922LL
2000-86	Caterpillar 3306	25,26,30,33SI	J180	75-135			AL9922LL
2000-86	Caterpillar 3406	25,26,30,33SI	J180	75-135			AL9922LL
1999-98	Caterpillar 3176	Denso Brushless	J180	130			AL9922LL
1999-98	Caterpillar 3306	Denso Brushless	J180	105-130			AL9922LL
1999-98	Caterpillar 3406	Denso Brushless	J180	105-130			AL9922LL
1999-98	Caterpillar C-10	Denso Brushless	J180	105-130			AL9922LL
1999-98	Caterpillar C-12	Denso Brushless	J180	105-130			AL9922LL
1999-98	Cummins L-10	Denso Brushless	J180	105-130			AL9922LL
1999-98	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1999-98	DD 60 Series	Denso Brushless	Pad	130		AL9920LL	AL9921LL
1998-86	DD 60 Series	25,26,30,33SI	J180	75-135			AL9922LL
1997-93	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
1997-93	Caterpillar 3306	21SI	J180	100-145	AL9960LH		AL9963SB
1997-93	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
1997-93	Caterpillar C-10	21SI	J180	100-145	AL9960LH		AL9963SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Freightliner - Alternator (cont'd)							
FLD 112 / 120 (cont'd)							
1997-93	Caterpillar C-12	21SI	J180	100-145	AL9960LH		AL9963SB
1997-93	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1997-93	Cummins M11	21SI	J180	100-145	AL9960LH		AL9963SB
1997-93	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
1997-93	DD Series 60	21SI	J180	100-145	AL9960LH		AL9922LL
1992-90	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	Caterpillar 3306	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	Cummins C 8.3L	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	DD 8V-92	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	DDC 11.1	21SI	J180	100-145	AL9960LH		AL9963SB
1992-90	DDC 12.7	21SI	J180	100-145	AL9960LH		AL9963SB
1992-86	Cummins 8.3L ISC	25,26,30SI	J180	75-105			AL9922LL
1992-86	DD 8V-92	25,26,30SI	J180	75-105			AL9922LL
1998	Cummins 6B	Denso Brushless	J180	130			AL9922LL
1989	Caterpillar 3176	21SI	J180	100	AL9960LH		AL9963SB
1989	Caterpillar 3306	21SI	J180	100	AL9960LH		AL9963SB
1989	Caterpillar 3406	21SI	J180	100	AL9960LH		AL9963SB
1989	Cummins C 8.3L	21SI	J180	100	AL9960LH		AL9963SB
1989	Cummins L-10	21SI	J180	100	AL9960LH		AL9963SB
1989	Cummins N14	21SI	J180	100	AL9960LH		AL9963SB
1989	DD 8V-92	21SI	J180	100	AL9960LH		AL9963SB
1989	DDC 11.1	21SI	J180	100	AL9960LH		AL9963SB
1989	DDC 12.7	21SI	J180	100	AL9960LH		AL9963SB
FLT Series							
1987-83	Caterpillar 3406	25,30SI	J180	75-90			AL9922LL
1987-83	Caterpillar 3408	25,30SI	J180	75-90			AL9922LL
1987-83	Caterpillar 3408	30SI	J180	90			AL9922LL
1987-83	Cummins 855 / BC III	25,30SI	J180	75-90			AL9922LL
1987-83	Cummins K Series	25,30SI	J180	75-90			AL9922LL
1987-83	Cummins V-903	25,30SI	J180	75-90			AL9922LL
1987-83	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1987-83	DD 8V-92	25,30SI	J180	75-90			AL9922LL
M2							
2011-08	Cummins ISB	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	CUMMINS ISC	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	CUMMINS ISL	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD13	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-03	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-03	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-03	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	Mercedes MBE4000	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-03	Mercedes MBE4000	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2000	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
WF (C,P,T) Series							
1978-70	Allis Chalmers 21000	25,30SI	J180	75-90			AL9922LL
1978-70	Caterpillar 1674	25,30SI	J180	75-90			AL9922LL
1978-70	Caterpillar 1693	25,30SI	J180	75-90			AL9922LL
1978-70	Cummins K6	25,30SI	J180	75-90			AL9922LL
1978-70	Cummins NH Engines	25,30SI	J180	75-90			AL9922LL
1978-70	Cummins V-903	25,30SI	J180	75-90			AL9922LL
1978-70	DD 12V-71	25,30SI	J180	75-90			AL9922LL
1978-70	DD 8V-71	25,30SI	J180	75-90			AL9922LL
International - Alternator							
Medium & Heavy-Duty Trucks							
1452							
1992-88	IHC 5.9L (DT-360)	21SI	J180	130-145	AL9960LH		AL9963SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
International - Alternator (cont'd)							
Medium & Heavy-Duty Trucks							
1452 (cont'd)							
1992-88	IHC 7.3L (T-444E)	30SI	J180	105			AL9922LL
1992-88	IHC 7.3L (T-444E)	21SI	J180	130-145	AL9960LH		AL9963SB
1992-88	IHC DT-360	30SI	J180	105			AL9922LL
INT'L HAR HD TK – Alternator							
MED. & HD TRK - 1652,1654							
1998-95	IHC 7.3L (T-444E)	22SI	J180	100-145	AL9960LH		AL9963SB
1998-95	IHC NGD-V8	22SI	J180	100-145	AL9960LH		AL9963SB
1994-93	IHC 7.3L (T-444E)	22SI	J180	100-130	AL9960LH		AL9963SB
1992-88	IHC 5.9L (DT-360)	21SI	J180	130-145	AL9960LH		AL9963SB
1992-88	IHC 7.3L (T-444E)	21SI	J180	130-145	AL9960LH		AL9963SB
1754							
1989-88	IHC DT-360	30SI	J180	105			AL9922LL
1989-88	IHC DT-466	25,30SI	J180	85-105			AL9922LL
1987-85	IHC 9.0L	25SI	J180	75			AL9922LL
1954							
1989-84	IHC DT-466	25,30SI	J180	75-105			AL9922LL
1652 / 1654							
1992-88	IHC 7.3L (T-444E)	30SI	J180	105			AL9922LL
1992-88	IHC DT-360	30SI	J180	105			AL9922LL
2000 SERIES							
2000-97	Cummins N14	22SI	J180	100-145	AL9960LH		AL9963SB
2000-88	DD DT-466	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-88	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-97	Caterpillar 3176	Denso Brushless	J180	105-130			AL9922LL
1999-97	Cummins L-10	22SI	J180	100-145	AL9960LH		AL9963SB
1999-97	Cummins L-10	Denso Brushless	J180	105-130			AL9922LL
1999-93	Cummins M11	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-97	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1999-97	Cummins N14	Denso Brushless	J180	105-130			AL9922LL
1999-94	IHC 530	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-97	IHC 530	Denso Brushless	J180	105-130			AL9922LL
1999-97	DD DT-466	Denso Brushless	J180	105-130			AL9922LL
1996-88	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1996-93	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
1992-88	Cummins 855	21SI	J180	100-145	AL9960LH		AL9963SB
2200-2275 Series							
1987-84	Cummins L-10	30SI	J180	90			AL9922LL
1987-84	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1987-84	IHC DT-466	25SI	J180	75			AL9922LL
1987-81	Cummins NTC-855	30SI	J180	90			AL9922LL
2300-2375 Series							
2000-94	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
1996-94	IHC DT-530	30SI	J180	105			AL9922LL
1996-88	Cummins L-10	25,30SI	J180	85-105			AL9922LL
2554 / 2564 Series							
2000-97	IHC DT-530	26,33SI	J180	85-135			AL9922LL
2000-79	IHC DT-466	25,26,30,33SI	J180	75-135			AL9922LL
2574 / 2575 Series							
2000-97	Caterpillar C-12	26,33SI	J180	85-135			AL9922LL
2000-97	Cummins ISM	26,33SI	J180	85-135			AL9922LL
2000-97	IHC DT-530	26,33SI	J180	85-135			AL9922LL
2000-94	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
2000-88	Cummins L-10	25,26,30,33SI	J180	85-135			AL9922LL
1992-88	Cummins 855	25,30SI	J180	85-105			AL9922LL
1992-81	Cummins NTC-855	25,30SI	J180	85-105			AL9922LL
2654 Series							
2001-88	IHC DT-466	25,26,30,33SI	J180	85-135			AL9922LL
2000-97	Caterpillar C-10	26,33SI	J180	85-135			AL9922LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
INT'L HAR HD TK – Alternator (cont'd)							
2654 Series (cont'd)							
2000-97	Cummins M11	26,33SI	J180	85-135			AL9922LL
2000-97	IHC DT-530	26,33SI	J180	85-135			AL9922LL
2000-94	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
2000-84	Cummins L-10	25,26,30,33SI	J180	85-135			AL9922LL
1999-94	Caterpillar 3176	26,30,33SI	J180	85-135			AL9922LL
1992-85	IHC DT-466	25,30SI	J180	85-135			AL9922LL
1992-82	Cummins NTC-855	25,30SI	J180	85-105			AL9922LL
1989-85	DD 6V-92	25,30SI	J180	75-90			AL9922LL
3000-3900 Series Bus							
2007-99	IHC VT-365	33SI	J180	110-135			AL9922LL
2007-88	IHC DT-466	26,30,33SI	J180	85-135			AL9922LL
1999-88	DD DT-466	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-88	IHC 7.3L (T-444E)	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1997-95	IHC NGD-V8	26,30,33SI	J180	85-135			AL9922LL
1997-94	IHC NGD-V8	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1996	IHC 7.3L (T-444E)	Denso Brushless	J180	105-130			AL9922LL
1994-88	IHC 7.3L (T-444E)	26,30,33SI	J180	85-135			AL9922LL
1993-85	IHC DT-360	26,30SI	J180	85-105			AL9922LL
1992-88	DD DT-360 (5.9L)	21SI	J180	130-145	AL9960LH		AL9963SB
4000-4900 Series Medium-Duty							
2007-03	IHC VT-365	23,34SI	Pad	110-135		AL9920LL	AL9921LL
2007	DT-365	22SI	Pad	100-145	AL9961LH		AL9962SB
2007	DT-466	22SI	Pad	100-145	AL9961LH		AL9962SB
2007	DT-570	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-97	IHC DT-530	33SI	J180	110-135			AL9922LL
2003-88	DD DT-466	22SI	J180	100-145	AL9960LH		AL9963SB
2003-02	IHC DT-530	22SI	J180	100-130	AL9960LH		AL9963SB
2002-88	IHC 7.3L (T-444E)	22SI	J180	100-145	AL9960LH		AL9963SB
2002-84	IHC DT-466	25,30,33SI	J180	75-135			AL9922LL
1999-97	Caterpillar 3406	33SI	J180	110-135			AL9922LL
1999-97	Cummins N14	33SI	J180	110-135			AL9922LL
1997-95	IHC NGD-V8	22SI	J180	100-145	AL9960LH		AL9963SB
1996-90	IHC DT-360 / 408	26,30SI	J180	85-105			AL9922LL
1996-88	IHC 7.3L (T-444E)	33SI	J180	110-135			AL9922LL
1992-88	DD DT-360 (5.9L)	21SI	J180	100	AL9960LH		AL9963SB
1996	IHC 7.3L (T-444E)	Denso Brushless	J180	105-130			AL9922LL
5000-5900 Series Severe Service							
2007-03	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-00	Caterpillar C-13	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-00	Caterpillar C-15	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-00	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-00	Cummins ISM	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-00	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-00	Cummins ISX	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-00	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-97	IHC DT-530	33SI	J180	110-135			AL9922LL
2003-93	Caterpillar C-10	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
2003-93	Caterpillar C-10	26,33SI	J180	85-135			AL9922LL
2003-93	Caterpillar C-12	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1999-98	Caterpillar 3176	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1999-97	Caterpillar 3406	Denso Brushless	J180	105-130			AL9922LL
1999-97	Caterpillar C-12	Denso Brushless	J180	105-130			AL9922LL
1999-97	Cummins N14	Denso Brushless	J180	105-130			AL9922LL
1999-97	DD 50 Series	Denso Brushless	J180	105-130			AL9922LL
1999-97	IHC DT-530	Denso Brushless	J180	105-130			AL9922LL
1999-93	Cummins M11	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1999-93	Cummins N14	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1999-93	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
1999-91	Caterpillar C-10	Denso Brushless	J180	105-130			AL9922LL
1999-88	Caterpillar 3406	21SI,22SI	J180	100-130	AL9960LH		AL9963SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
INT'L HAR HD TK – Alternator (cont'd)							
5000-5900 Series Severe Service (cont'd)							
1999-88	Caterpillar 3406	26,33SI	J180	85-105			AL9922LL
1999-88	Cummins L-10	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1999-88	Cummins L-10	26,30,33SI	J180	85-135			AL9922LL
1999-87	Cummins L-10	Denso Brushless	J180	105-130			AL9922LL
1992-90	Cummins NTC-855	26,30SI	J180	85-105			AL9922LL
	Caterpillar 3176B	Denso Brushless	J180	130			AL9922LL
7100-7700 Severe Service							
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-05	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-05	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-15	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	Cummins ISM	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-03	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	Cummins ISX	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-03	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	IHC DT-466	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	IHC DT-466	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	IHC DT-466	23,34SI	Pad	100-135		AL9920LL	AL9921LL
2007-03	IHC DT-466	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	IHC DT530 / DT570	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	IHC DT530 / DT570	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	IHC DT-530 / DT-570	23,34SI	Pad	100-135		AL9920LL	AL9921LL
2007-03	IHC DT-530 / DT-570	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2004-03	Caterpillar C-10	33SI	J180	110-135			AL9922LL
2004-03	Caterpillar C-12	33SI	J180	110-135			AL9922LL
2002-90	IHC DT-466	26,30,33SI	J180	85-135			AL9922LL
8100-8600 Heavy-Duty							
2007-05	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	IHC DT-466	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	IHC DT-466	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	IHC DT-466	23,34SI	Pad	100-135		AL9920LL	AL9921LL
2007-03	IHC DT-466	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	IHC DT-530 / DT-570	23,34SI	Pad	100-135		AL9920LL	AL9921LL
2007-03	IHC DT-530 / DT-570	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-03	IHC HT530 / DT570	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	IHC HT530 / DT570	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2005-03	Caterpillar C-12	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-03	Caterpillar C-12	LN	Pad	140-160	AL9961LH		AL9962SB
2005-03	Caterpillar C-12	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2005-03	Caterpillar C-12	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
INT'L HAR HD TK – Alternator (cont'd)							
8100-8600 Heavy-Duty (cont'd)							
2003-97	Caterpillar C-10	33SI	J180	110-135			AL9922LL
2003-93	IHC 530	22SI	J180	130-100	AL9960LH		AL9963SB
2003-93	IHC 530	22SI	J180	130-100	AL9960LH		AL9963SB
2003	Cummins ISM	22SI	J180	100	AL9960LH		AL9963SB
2002-94	IHC DT-530 / DT-570	26,30,33SI	J180	85-135			AL9922LL
2002-90	IHC DT-466	26,30,33SI	J180	85-135			AL9922LL
2002-88	DD DT-466	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-98	Cummins ISM	34,35,36SI	J180	110-170			AL9922LL
2000-97	Caterpillar C-10	22SI	J180	130-100	AL9960LH		AL9963SB
2000-94	Cummins M11	26,30,33SI	J180	85-135			AL9922LL
2000-93	Cummins M11	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-93	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-91	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
1999-97	Caterpillar 3176	Denso Brushless	J180	105-130			AL9922LL
1999-97	Caterpillar C-10	Denso Brushless	J180	105			AL9922LL
1999-97	Cummins L-10	Denso Brushless	J180	130			AL9922LL
1999-97	Cummins N14	Denso Brushless	J180	105-130			AL9922LL
1999-97	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1999-97	IHC DT-530	Denso Brushless	J180	105-130			AL9922LL
1999-95	IHC DT-466	Denso Brushless	J180	105-130			AL9922LL
1999-93	DD Series 60	21SI,22SI	J180	100-145	AL9960LH		AL9922LL
1999-90	Caterpillar 3176	26,30,33SI	J180	85-135			AL9922LL
1999-88	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-88	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-88	Caterpillar 3406	26,30,33SI	J180	85-135			AL9922LL
1999-88	Cummins L-10	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1998-92	DD 50 / 60 Series	26,30,33SI	J180	85-135			AL9922LL
1996-88	Cummins L-10	26,30SI	J180	85-105			AL9922LL
1992-88	Cummins NTC-855	26,30SI	J180	85-105			AL9922LL
9100-9900 Heavy-Duty							
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	23,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-05	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	23,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-05	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-00	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-00	Caterpillar C-15	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2007-00	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2006-98	Cummins ISM	Denso Brushless	J180	130			AL9922LL
2006-98	Cummins ISX	Denso Brushless	J180	130			AL9922LL
2003-99	Caterpillar C-15	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-99	Caterpillar C-16	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-99	Cummins ISM	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-99	Cummins Signature	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-99	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-99	DD Series 60	LN	Pad	140-160	AL9961LH		AL9921LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
INT'L HAR HD TK – Alternator (cont'd)							
9100-9900 Heavy-Duty (cont'd)							
2003-97	Caterpillar C-10	33SI	J180	110-135			AL9922LL
2003-97	Caterpillar C-12	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-97	Caterpillar C-12	33SI	J180	110-135			AL9922LL
2003-97	Cummins Signature	33SI	J180	110-135			AL9922LL
2003-86	Cummins N14	26,30SI	J180	85-135			AL9922LL
2003-02	Cummins ISX	22SI	J180	100-145	AL9960LH		AL9963SB
2003-00	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2003-00	Caterpillar C-16	23,34,35,36SI	Pad	100-170		AL9920LL	AL9921LL
2003-00	Caterpillar C-16	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2001-93	Caterpillar 3406	26,30,33SI	J180	85-135			AL9922LL
2000-99	Cummins ISX	34,35,36SI	J180	110-170			AL9922LL
2000-97	Caterpillar C-10	22SI	J180	100-145	AL9960LH		AL9963SB
2000-97	Cummins ISM	34,35,36SI	J180	110-170			AL9922LL
2000-93	Cummins M11	26,33SI	J180	85-135			AL9922LL
2000-88	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-88	Caterpillar 3176	26,30,33SI	J180	85-135			AL9922LL
2000-88	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-88	Cummins L-10	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-97	Caterpillar 3176	Denso Brushless	J180	105-130			AL9922LL
1999-97	Caterpillar 3406	Denso Brushless	J180	105-130			AL9922LL
1999-97	Cummins L-10	Denso Brushless	J180	105-130			AL9922LL
1999-97	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1999-97	Cummins N14	22SI	J180	100-130	AL9960LH		AL9963SB
1999-97	Cummins N14	Denso Brushless	J180	105-130			AL9922LL
1999-97	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1999-93	Cummins M11	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1998-92	DD 60 Series	26,33SI	J180	85-135			AL9922LL
1996-88	Cummins L-10	26,30SI	J180	85-105			AL9922LL
1992-88	Cummins 855	21SI	J180	100-145	AL9960LH		AL9963SB
1992-86	Cummins NTC-855	26,30SI	J180	85-105			AL9922LL
1999	Caterpillar C-16	26,33SI	J180	85-135			AL9922LL
Cargostar							
1987-85	IHC 6.9L	25SI	J180	75			AL9922LL
1987-80	DD DT-466	25SI	J180	75			AL9922LL
1987-80	IHC 9.0L	25SI	J180	75			AL9922LL
1984-80	Caterpillar 3208	25SI	J180	75			AL9922LL
1984-80	IHC MV8-404 / 446	25SI	J180	75			AL9922LL
1984-80	IHC V-304 / 345 / 392	25SI	J180	75			AL9922LL
1984-80	IHC V-537	25SI	J180	75			AL9922LL
Fleetstar							
1979-77	Caterpillar 3208	25SI	J180	75			AL9922LL
1979-77	Caterpillar 3406	25SI	J180	75			AL9922LL
1979-77	IHC D-190	25SI	J180	75			AL9922LL
1979-75	Cummins NH,NT,PT, Super 250	25SI	J180	75			AL9922LL
1979-75	DD 6-71N	25SI	J180	75			AL9922LL
1979-75	IHC RD-406 / 450 / 501	25SI	J180	75			AL9922LL
1979-75	IHC V-537 / V-605	25SI	J180	75			AL9922LL
1979-75	IHC VS-401 / 478 / 549	25SI	J180	75			AL9922LL
1979-71	DD 6V-53	25SI	J180	75			AL9922LL
1979-71	DD DT-466	25SI	J180	75			AL9922LL
1979-71	IHC DV-550	25SI	J180	75			AL9922LL
1976-71	Caterpillar 1160	25SI	J180	75			AL9922LL
1974-71	Cummins Engines	25SI	J180	75			AL9922LL
1974-71	DD 6V-71	25SI	J180	75			AL9922LL
Loadstar							
1974-71	DD 6V-53	25SI	J180	75			AL9922LL
1974-71	IHC DV-462 / 550	25SI	J180	75			AL9922LL
1974-71	IHC MV8-404 / 446	25SI	J180	75			AL9922LL
1974-71	IHC RD-406 / 450	25SI	J180	75			AL9922LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
INT'L HAR HD TK – Alternator (cont'd)							
Loadstar (cont'd)							
1974-71	IHC V-304 / 345 / 392	25SI	J180	75			AL9922LL
1974-71	IHC VS-401 / 478	25SI	J180	75			AL9922LL
LoneStar							
2011-10	MaxxForce 11, 13, 15	Denso,Remy, LN	Pad	100-170		AL9920LL	AL9921LL
2011-10	MaxxForce 11, 13	Bosch	Pad	160-200		AL9920LL	AL9921LL
2009-08	Caterpillar C-11	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-13	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-15	ALL	Pad	100-170		AL9920LL	AL9921LL
Paystar							
1989-80	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1989-80	DD 8V-92	25,30SI	J180	75-90			AL9922LL
1989-77	Cummins Engines	25,30SI	J180	75-90			AL9922LL
1989-77	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1989-77	DD DT-466	25,30SI	J180	75-90			AL9922LL
1985-77	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1984-77	IHC V-800	25,30SI	J180	75-90			AL9922LL
1982-77	Caterpillar 3208	25,30SI	J180	75-90			AL9922LL
1982-77	Caterpillar 3306	25,30SI	J180	75-90			AL9922LL
1979-77	DD 6V-53	25,30SI	J180	75-90			AL9922LL
Pro Star							
2011-10	MaxxForce 11, 13, 15	Denso,Remy, LN	Pad	100-170		AL9920LL	AL9921LL
2011-10	MaxxForce 11, 13	Bosch	Pad	160-200		AL9920LL	AL9921LL
2009-08	Caterpillar C-11	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-13	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-15	ALL	Pad	100-170		AL9920LL	AL9921LL
S Series							
1987-85	Cummins L-10	30SI	J180	90			AL9922LL
1987-85	DD DT-360	30SI	J180	90			AL9922LL
1987-85	IHC 6.9L	30SI	J180	90			AL9922LL
1987-85	IHC 7.3L (T-444E)	30SI	J180	90			AL9922LL
1987-80	Cummins NTC Engines	25,30SI	J180	75-90			AL9922LL
1987-80	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1987-80	IHC 9.0L	25,30SI	J180	75-90			AL9922LL
1987-77	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1987-77	DD DT-466	25,30SI	J180	75-90			AL9922LL
1984-80	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1984-80	IHC V-345 / 392	25,30SI	J180	75-90			AL9922LL
1984-77	Caterpillar 3208	25,30SI	J180	75-90			AL9922LL
1984-77	Caterpillar 3406	25,30SI	J180	75-90			AL9922LL
1979-77	Cummins Engines	25SI	J180	75			AL9922LL
1979-77	IHC V-800	25SI	J180	75			AL9922LL
	T-500						
1974	DD 8V-71T	w/Std. Alternator	J180	75			AL9922LL
Transtar							
2011-10	MaxxForce 11, 13, 15	Denso,Remy, LN	Pad	100-170		AL9920LL	AL9921LL
2011-10	MaxxForce 11, 13	Bosch	Pad	160-200		AL9920LL	AL9921LL
2009-08	Caterpillar C-11	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-13	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-15	ALL	Pad	100-170		AL9920LL	AL9921LL
1987-80	Caterpillar 3408	25,30SI	J180	75-90			AL9922LL
1987-80	Cummins Engines	25,30SI	J180	75-90			AL9922LL
1987-80	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1987-75	IHC V-800	25,30SI	J180	75-90			AL9922LL
1987-73	Caterpillar 3406	25,30SI	J180	75-90			AL9922LL
1987-71	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1987-71	DD 8V-92	25,30SI	J180	75-90			AL9922LL
1979-75	Cummins K / KT / KTA	25,30SI	J180	75-90			AL9922LL
1979-75	Cummins NH / NTA / NTC	25,30SI	J180	75-90			AL9922LL
1979-71	Cummins Super 250	25,30SI	J180	75-90			AL9922LL
1979-71	Cummins V-903	25,30SI	J180	75-90			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
INT'L HAR HD TK – Alternator (cont'd)							
Transtar (cont'd)							
1976-71	DD 12V-71	25,30SI	J180	75-90			AL9922LL
1976-71	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1974-71	DD 6V-53	25SI	J180	75			AL9922LL
Unitstar							
1974-71	Cummins Engines	25SI	J180	75			AL9922LL
1974-71	DD 12V-71	25SI	J180	75			AL9922LL
1974-71	DD 6V-53	25SI	J180	75			AL9922LL
1974-71	DD 6V-71	25SI	J180	75			AL9922LL
1974-71	DD 8V-71	25SI	J180	75			AL9922LL
WorkStar							
2011-10	MaxxForce 11, 13, 15	ALL	Pad	100-170		AL9920LL	AL9921LL
2011-10	MaxxForce 11, 13	Bosch	Pad	160-200		AL9920LL	AL9921LL
2009-08	Caterpillar C-11	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-13	ALL	Pad	110-170		AL9920LL	AL9921LL
2009-08	Caterpillar C-15	ALL	Pad	100-170		AL9920LL	AL9921LL
JOHN DEERE -IND – Alternator							
LOADER 544E							
1992-88	ALL	21SI	J180	130	AL9960LH		AL9963SB
LOADER 624E							
1992-88	ALL	21SI	J180	130	AL9960LH		AL9963SB
LOADER 644E							
1992-88	ALL	21SI	J180	130	AL9960LH		AL9963SB
SKIDDER 540E							
1993-On	4045 Diesel	21SI	J180	130	AL9960LH		AL9963SB
SKIDDER 548E							
1993-On	ALL	21SI	J180	130	AL9960LH		AL9963SB
SKIDDER 640E							
1993-On	6068 Diesel	21SI	J180	130	AL9960LH		AL9963SB
SKIDDER 648E							
1993-On	6068 Engine	21SI	J180	130	AL9960LH		AL9963SB
SKIDDER 740E							
1993-On	6076 Engine	21SI	J180	130	AL9960LH		AL9963SB
SKIDDER 748E							
1993-On	6076 Engine	21SI	J180	130	AL9960LH		AL9963SB
TOOL CARRIER 544E							
1995-88	ALL	21SI	J180	130	AL9960LH		AL9963SB
Kenworth - Alternator							
Med. & HD Trucks C500							
2011-99	DD 60 Series	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Caterpillar C-10	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Caterpillar C-12	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Cummins N14	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-02	Caterpillar C-16	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-01	Cummins ISM	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-00	Caterpillar C-15	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-00	Cummins ISX	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-05	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Kenworth - Alternator (cont'd)							
Med. & HD Trucks C500 (cont'd)							
2007-00	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-00	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-00	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007	Caterpillar C9	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C9	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2003-99	Cummins Signature	33SI	J180	110-135			AL9922LL
2003-96	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2003-96	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2003-94	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-91	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2003-91	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-91	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-91	Cummins N14	25,26,30,33SI	J180	85-135			AL9922LL
2003-91	DD Series 60	21SI,22SI	J180	100-145	AL9960LH		AL9922LL
2003-73	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
2003-02	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2000-98	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-96	Caterpillar C-10	22SI	J180	100-145	AL9960LH		AL9963SB
2000-96	Caterpillar C-12	22SI	J180	100-145	AL9960LH		AL9963SB
2000-02	Caterpillar C-16	22SI	J180	100-145	AL9960LH		AL9963SB
2000-02	Caterpillar C-15	22SI	J180	100-145	AL9960LH		AL9963SB
1998-91	DD 60 Series	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1995-91	Caterpillar 3306	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1994-93	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1992-91	Cummins L-10	25,30SI	J180	75-105			AL9922LL
1992-80	Caterpillar 3306	25,26,30SI	J180	75-105			AL9922LL
1985-80	Cummins F Engine	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins NTC Engines	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins VT-300	25,30SI	J180	75-90			AL9922LL
1985-80	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1985-77	Caterpillar 3408	25,30SI	J180	75-90			AL9922LL
1985-75	Cummins KT-450 / 600	25,30SI	J180	75-90			AL9922LL
1985-75	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1985-75	DD 8V-92	25,30SI	J180	75-90			AL9922LL
1983-73	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1981-73	DD 12V-71	25,30SI	J180	75-90			AL9922LL
1979-73	Caterpillar 1693	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins NH Engines	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins V8-225	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins V-903	25,30SI	J180	75-90			AL9922LL
1974-72	Caterpillar Engines All Models (By Engine) - Prior to 1975	25SI	J180	75			AL9922LL
1974-72	Cummins Engines All Models (By Engine) - Prior to 1975	25SI	J180	75			AL9922LL
1974-72	DD 60 Series	25SI	J180	75			AL9922LL
1993	Cummins M11	26,30SI	J180	85-105			AL9922LL
K100							
1995-93	Cummins M11	26,30SI	J180	85-105			AL9922LL
1995-91	Caterpillar 3176	25,26,30SI	J180	85-105			AL9922LL
1995-91	Cummins N14	25,26,30SI	J180	85-105			AL9922LL
1995-80	Caterpillar 3306	25,26,30SI	J180	75-105			AL9922LL
1995-73	Caterpillar 3406	25,26,30SI	J180	75-105			AL9922LL
1994-93	Cummins M11	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	Caterpillar 3306	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	DD Series 60	21SI	J180	100-145	AL9960LH		AL9963SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Kenworth - Alternator (cont'd)							
K100 (cont'd)							
1993-91	DD 60 Series	25,26,30SI	J180	85-105			AL9922LL
1992-84	Cummins L-10	25,26,30SI	J180	75-105			AL9922LL
1991-80	Cummins NTC-855	25,26,30SI	J180	75-105			AL9922LL
1990-80	DD 6V-92	25,30SI	J180	75-105			AL9922LL
1990-75	DD 8V-92	25,30SI	J180	75-105			AL9922LL
1985-80	Cummins F Engine	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins VT-300	25,30SI	J180	75-90			AL9922LL
1985-77	Caterpillar 3408	25,30SI	J180	75-90			AL9922LL
1985-75	Cummins KT-450 / 600	25,30SI	J180	75-90			AL9922LL
1985-75	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1983-73	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1981-73	DD 12V-71	25,30SI	J180	75-90			AL9922LL
1979-73	Caterpillar 1693	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins NH Engines	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins V8-225	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins V-903	25,30SI	J180	75-90			AL9922LL
K300							
2003-99	Cummins 5.9L ISB	22SI	J180	130-145	AL9960LH		AL9963SB
1997-94	Cummins 8.3L ISB	22SI	J180	130-145	AL9960LH		AL9963SB
1995-94	Cummins 8.3L ISC	26,30SI	J180	85-105			AL9922LL
L700							
1985-82	Cummins 855	25,30SI	J180	75-90			AL9922LL
1985-80	Caterpillar 3306	25,30SI	J180	75-90			AL9922LL
1985-80	Caterpillar 3406	25,30SI	J180	75-90			AL9922LL
1985-80	Caterpillar 3408	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins F Engine	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins KT-450 / 600	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins NTC Engines	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins VT-300	25,30SI	J180	75-90			AL9922LL
1985-80	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1985-80	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1985-80	DD 8V-92	25,30SI	J180	75-90			AL9922LL
1985-80	DD 8V-71	25,30SI	J180	75-90			AL9922LL
T2000							
2007-04	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2004-96	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2003-99	DD 60 Series	34,35,36SI	Pad	110		AL9920LL	AL9921LL
2003-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-97	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2003-97	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2003-97	Cummins N14	33SI	J180	110-135			AL9922LL
2000-97	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-97	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
1999-97	Cummins M11	33SI	J180	110-135			AL9922LL
1998-97	DD 60 Series	33,35,36SI	J180	110-170			AL9922LL
T300 / T370							
2011-10	Paccar PX-6	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Paccar PX-8	Bosch	Pad	160		AL9920LL	AL9921LL
2011-08	Paccar PX-6	Denso,Remy, LN	Pad	100-170		AL9920LL	AL9921LL
2011-08	Paccar PX-8	Denso,Remy, LN	Pad	100-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-7	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-7	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Cummins 5.9L ISB	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-04	Cummins 5.9L ISB	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Kenworth - Alternator (cont'd)							
T300 / T370 (cont'd)							
2007-03	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2007	Caterpillar C9	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C9	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Paccar PX-6	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007	Paccar PX-6	22SI	Pad	100-145	AL9961LH		AL9962SB
2007	Paccar PX-6	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007	Paccar PX-8	22SI	Pad	100-145	AL9961LH		AL9962SB
2007	Paccar PX-8	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2003	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2003-95	Caterpillar 3126	22SI	J180	130	AL9960LH		AL9963SB
2003-94	Cummins 5.9L ISB	22SI	J180	145	AL9960LH		AL9963SB
2003-86	Cummins 8.3L ISC	21SI	J180	145	AL9960LH		AL9963SB
1995-94	Caterpillar 3126	26,30SI	J180	85-105			AL9922LL
1995-94	Cummins 5.9L ISB	26,30SI	J180	85-105			AL9922LL
1995-94	Cummins 8.3L ISC	26,30SI	J180	85-105			AL9922LL
T400 / T450							
1994-93	Cummins M11	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	Caterpillar 3306	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	Cummins C 8.3L	21SI	J180	100-145	AL9960LH		AL9963SB
1994-91	DD Series 60	21SI	J180	100-145	AL9960LH		AL9922LL
1993-91	Caterpillar 3306	25,26,30SI	J180	85-105			AL9922LL
1993-89	Cummins L-10	25,26,30SI	J180	75-105			AL9922LL
1993	Cummins M11	26,30SI	J180	85-105			AL9922LL
1992-86	Caterpillar 3176	25,26,30SI	J180	75-105			AL9922LL
T470							
2011-10	Paccar PX-6	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Cummins ISL	Bosch	Pad	160		AL9920LL	AL9921LL
2011-08	Paccar PX-6	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Cummins ISL	ALL	Pad	110-170		AL9920LL	AL9921LL
T600 / T660/ T700 / T800							
2011-10	Cummins ISM	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Cummins ISX	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Caterpillar C-11	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Caterpillar C-13	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Caterpillar C-15	Bosch	Pad	110-170		AL9920LL	AL9921LL
2011-07	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2011-07	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2011-05	Caterpillar C-11	Denso, Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-04	Caterpillar C-13	Denso, Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-01	Caterpillar C-15	Denso, Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-03	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	Cummins ISM	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-03	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	Cummins ISX	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-02	Cummins 8.9L ISL	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-02	Cummins 8.9L ISL	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISM	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISX	Denso Brushless	J180	130			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Kenworth - Alternator (cont'd)							
T600 / T660/ T700 / T800 (cont'd)							
2005-97	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2004-86	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
2003-99	Cummins Signature	22SI	J180	100-130	AL9960LH		AL9963SB
2003-99	Cummins Signature	33SI	J180	110-135			AL9922LL
2003-99	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-98	Cummins ISC	22SI	J180	130-145	AL9960LH		AL9963SB
2003-98	Cummins ISL	22SI	J180	130-145	AL9960LH		AL9963SB
2003-98	Cummins ISM	22SI	J180	130-145	AL9960LH		AL9963SB
2003-97	Caterpillar C-10	22SI	J180	100-130	AL9960LH		AL9963SB
2003-97	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2003-97	Caterpillar C-12	22SI	J180	100-130	AL9960LH		AL9963SB
2003-97	Caterpillar C-15	22SI	J180	100-130	AL9960LH		AL9963SB
2003-93	Cummins M11	26,30,33SI	J180	85-135			AL9922LL
2003-91	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-91	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-90	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
2003-02	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-02	Caterpillar C-16	22SI	J180	100-130	AL9960LH		AL9963SB
2003-02	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2003-02	Caterpillar C-16	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-02	Caterpillar C-16	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2000-97	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-93	Cummins M11	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-98	Caterpillar C-10	Denso Brushless	J180	130			AL9922LL
1999-98	Caterpillar C-12	Denso Brushless	J180	130			AL9922LL
1999-96	Caterpillar 3176	Denso Brushless	J180	105-130			AL9922LL
1999-96	Caterpillar 3306	Denso Brushless	J180	105-130			AL9922LL
1999-96	Caterpillar 3406	Denso Brushless	J180	105-130			AL9922LL
1999-96	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1999-96	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1999-86	Caterpillar 3306	25,26,30,33SI	J180	85-135			AL9922LL
1998-88	DD 60 Series	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1997-91	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1997-91	Caterpillar 3176	25,26,30,33SI	J180	85-135			AL9922LL
1997-91	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1997-91	DD Series 60	21SI,22SI	J180	100-145	AL9960LH		AL9922LL
1997-87	Cummins L-10	25,26,30,33SI	J180	75-135			AL9922LL
1991-86	Cummins NTC-855	25,30SI	J180	75-105			AL9922LL
T2000							
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007	Caterpillar C13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C13	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C15	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISM	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2003-97	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-97	Caterpillar C-12	22SI	J180	100-130	AL9960LH		AL9963SB
2003-97	Caterpillar C-15	22SI	J180	100-130	AL9960LH		AL9963SB
2003-97	Cummins ISX	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-97	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-97	Cummins M11	21SI,22SI	J180	100-145	AL9960LH		AL9963SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Kenworth - Alternator (cont'd)							
W900							
2011-10	Cummins ISX	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-10	PACCAR MX	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-07	Cummins ISM	ALL	Pad	130		AL9920LL	AL9921LL
2011-07	Cummins ISX	ALL	Pad	130		AL9920LL	AL9921LL
2011-04	Caterpillar C-13	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-04	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISM	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISX	Denso Brushless	J180	130			AL9922LL
2005-73	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-135			AL9922LL
2004-97	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2004-90	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
2004-03	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2004-03	Cummins ISM	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2003-99	Cummins ISX	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-99	Cummins Signature	22SI	J180	130-145	AL9960LH		AL9963SB
2003-99	Cummins Signature	33SI	J180	110-135			AL9922LL
2003-99	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-97	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2003-97	Caterpillar C-10 / C-12 / C-15	22SI	J180	130-145	AL9960LH		AL9963SB
2003-91	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-02	Cummins 8.9L ISL	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-02	Cummins 8.9L ISL	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2003-02	Cummins ISL	22SI	J180	130-145	AL9960LH		AL9963SB
2003-02	Cummins ISM	22SI	J180	130-145	AL9960LH		AL9963SB
2003-00	Caterpillar C-16	22SI	J180	130-145	AL9960LH		AL9963SB
2003-00	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2003-00	Caterpillar C-16	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	Caterpillar C-16	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2000-99	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
2000-97	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
1999-98	Caterpillar C-10	Denso Brushless	J180	130			AL9922LL
1999-96	Caterpillar 3406	Denso Brushless	J180	105-130			AL9922LL
1999-96	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1999-80	Caterpillar 3306	25,26,30,33SI	J180	75-135			AL9922LL
1998-90	DD 60 Series	26,30,33,35,36SI	J180	85-170			AL9922LL
1997-96	Caterpillar 3176	Denso Brushless	J180	105-130			AL9922LL
1997-96	Caterpillar 3306	Denso Brushless	J180	105-130			AL9922LL
1997-96	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1997-93	Cummins M11	21SI,22SI	J180	130	AL9960LH		AL9963SB
1997-93	Cummins M11	26,30,33SI	J180	85-135			AL9922LL
1997-91	Caterpillar 3176	22SI	J180	100-145	AL9960LH		AL9963SB
1997-91	Caterpillar 3176	25,26,30,33SI	J180	85-135			AL9922LL
1997-91	Caterpillar 3306	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1997-91	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1997-91	DD Series 60	22SI	J180	130	AL9960LH		AL9963SB
1995-91	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1991-80	Cummins NTC-855	25,30SI	J180	75-105			AL9922LL
1990-80	DD 6V-92	25,30SI	J180	75-105			AL9922LL
1990-75	DD 8V-92	25,30SI	J180	75-105			AL9922LL
1985-80	Cummins F Engine	25,30SI	J180	75-90			AL9922LL
1985-80	Cummins VT-300	25,30SI	J180	75-90			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
Kenworth - Alternator (cont'd)							
W900 (cont'd)							
1985-75	Cummins KT-450 / 600	25,30SI	J180	75-90			AL9922LL
1985-75	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1983-73	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1982-73	DD 12V-71	25,30SI	J180	75-90			AL9922LL
1979-73	Caterpillar 1693	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins NH Engines	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins V8-225	25,30SI	J180	75-90			AL9922LL
1979-73	Cummins V-903	25,30SI	J180	75-90			AL9922LL
MACK - Alternator							
Med. & HD Trucks							
2006-01	Mack F-7	Denso Brushless	J180	130			AL9922LL
CH Series							
2007-99	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-99	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-99	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-99	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-99	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-99	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-88	Mack Engines	25,26,30,33SI	J180	75-135			AL9922LL
2007	Mack Engines	24SI	Pad	100	AL9961LH		AL9962SB
2003-88	Mack E7 / EM7	22SI	J180	100-145	AL9960LH		AL9963SB
2003-02	Mack ASET Series	22SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Cummins NTC 300	Denso Brushless	J180	105			AL9922LL
1998-96	Cummins NTC 350	Denso Brushless	J180	105			AL9922LL
1998-96	Cummins NTC 400	Denso Brushless	J180	105			AL9922LL
1998-96	Cummins NTCC	Denso Brushless	J180	105			AL9922LL
1998-96	Mack E6	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EC6	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM6-235	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM6-237	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM6-275	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM7-300	Denso Brushless	J180	105			AL9922LL
1994-88	Mack E6 / EM6	22SI	J180	100-145	AL9960LH		AL9963SB
CL Series							
2007-99	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-99	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-99	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-99	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-99	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-90	Mack Engines	25,26,30,33SI	J180	75-135			AL9922LL
2007-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISX	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	33SI	J180	110-135			AL9922LL
2007-01	Cummins ISX	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
CM Series							
1989-86	Mack E5 / EC5	25,26,30SI	J180	75-105			AL9922LL
CS Series (Midliner)							
2001-90	Renault 6.2L	26SI	J180	85-105			AL9922LL
1999-90	Mack Engines	25,26,30SI	J180	75-110			AL9922LL
CT / CTP Series							
2007-06	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-06	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-06	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-06	Mack Engines	33SI	J180	110-135			AL9922LL
2007-06	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-06	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
MACK - Alternator (cont'd)							
CV Series							
2007-01	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-01	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Mack Engines	33SI	J180	110-135			AL9922LL
2007-01	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-01	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-99	Mack E7 / EM7	22SI	J180	100-145	AL9960LH		AL9963SB
2003-02	Mack ASET Series	22SI	J180	100-145	AL9960LH		AL9963SB
CX Series (Vision)							
2005-00	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-00	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2005-00	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2005-00	Mack Engines	33SI	J180	110-135			AL9922LL
2005-00	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2005-00	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-02	Mack ASET Series	22SI	J180	100-145	AL9960LH		AL9963SB
2003-00	Mack E7 / EM7	22SI	J180	100-145	AL9960LH		AL9963SB
DM / DMM Series							
2007-99	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-99	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-99	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-99	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-99	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-86	Mack Engines	25,26,30,33SI	J180	75-135			AL9922LL
2003-90	Mack E7 / EM7	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-02	Mack ASET Series	22SI	J180	100-145	AL9960LH		AL9963SB
1998-96	Cummins NTC 300	Denso Brushless	J180	105			AL9922LL
1998-96	Cummins NTC 350	Denso Brushless	J180	105			AL9922LL
1998-96	Cummins NTC 400	Denso Brushless	J180	105			AL9922LL
1998-96	Cummins NTCC	Denso Brushless	J180	105			AL9922LL
1998-96	Mack E6	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EC6	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM6	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM6-235	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM6-237	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM6-275	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EM7-300	Denso Brushless	J180	105			AL9922LL
1998-96	Mack EMC6	Denso Brushless	J180	105			AL9922LL
1998-95	Mack E9/EC9	21SI	J180	100-145	AL9960LH		AL9963SB
1994-90	Cummins NTC (C) 300, 350, 400	21SI	J180	100-145	AL9960LH		AL9963SB
1994-90	Mack E6 / EM6	21SI	J180	100-145	AL9960LH		AL9963SB
1994-90	Mack EM6-235	21SI	J180	100-145	AL9960LH		AL9963SB
1994-90	Mack EM6-237	21SI	J180	100-145	AL9960LH		AL9963SB
1994-90	Mack EM6-275	21SI	J180	100-145	AL9960LH		AL9963SB
1985-75	All Engines	25,30SI	J180	75-90			AL9922LL
F / FL / FS Series							
1988-75	Cummins NTA / NTC	25,26,30SI	J180	75-105			AL9922LL
1988-75	Cummins Super 250	25,26,30SI	J180	75-105			AL9922LL
1988-75	Cummins V-903	25,26,30SI	J180	75-105			AL9922LL
1988-75	DD 8V-71 (T)	25,26,30SI	J180	75-105			AL9922LL
1988-75	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
FDM Series							
1999-88	Mack Engines	25,26,30,33SI	J180	75-135			AL9922LL
1999	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
1999	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
1999	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
1999	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
1999	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
Granite Series							
2011-08	MP7, MP8	ALL	Pad	110-135		AL9920LL	AL9921LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
MACK - Alternator (cont'd)							
Granite Series (cont'd)							
2007-02	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-02	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-02	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Mack Engines	33SI	J180	110-135			AL9922LL
2007-02	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-02	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-95	Mack E7 / EM7	22SI	J180	100-145	AL9960LH		AL9963SB
2003-02	Mack ASET Series	22SI	J180	100-145	AL9960LH		AL9963SB
MB Series							
1978-75	Caterpillar 3208	25,30SI	J180	75-90			AL9922LL
1978-75	Mack END / ENDT	25,30SI	J180	75-90			AL9922LL
1975	Cummins V8-210	25SI	J180	75			AL9922LL
1975	DD 6V-53	25SI	J180	75			AL9922LL
MC Series							
1994-80	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
1983-82	Scandia E4-210	30SI	J180	90			AL9922LL
1981-80	Caterpillar 3208	25,30SI	J180	75-90			AL9922LL
	MH Series						
1994-88	Mack EM7-300	21SI	J180	100-145	AL9960LH		AL9963SB
1994-84	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
1989-84	Caterpillar 3208	25,26,30SI	J180	75-105			AL9922LL
1989-84	Cummins L-10	25,26,30SI	J180	75-105			AL9922LL
1989-84	Cummins N / NT	25,26,30SI	J180	75-105			AL9922LL
1985-84	DD 6V-92	25,30SI	J180	75-90			AL9922LL
MR Series							
2007-99	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-99	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-99	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-99	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-99	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-80	Mack Engines	25,26,30,33SI	J180	75-135			AL9922LL
1998-96	ALL	Denso Brushless	J180	105			AL9922LL
1998-88	Mack EM7-300	21SI	J180	100-145	AL9960LH		AL9963SB
1985-84	Cummins L-10	25,30SI					AL9922LL
1983-82	Scandia E4-210	25,30SI	J180	75-90			AL9922LL
1981-80	Caterpillar 3208	25,30SI	J180	75-90			AL9922LL
MS Series (Midliner)							
1999-90	Mack E3	25,30SI	J180	85-105			AL9922LL
1999-90	Mack E5 / EC5	25,30SI	J180	85-105			AL9922LL
1999-90	Renault 6.2L	25,30SI	J180	85-105			AL9922LL
	Pinnacle Series						
2011-08	MP7, MP8	ALL	Pad	110-135		AL9920LL	AL9921LL
R Series							
1990-84	DD 8V-92	25,26,30SI	J180	75-105			AL9922LL
1990-75	Cummins N / NH / NT	25,26,30SI	J180	75-105			AL9922LL
1990-75	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
1983-78	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1981-75	Cummins Super 250	25,30SI	J180	75-90			AL9922LL
1981-75	Cummins V8-210	25,30SI	J180	75-90			AL9922LL
1981-75	Cummins V-903	25,30SI	J180	75-90			AL9922LL
1978-75	DD 8V-71 (N, T)	25,30SI	J180	75-90			AL9922LL
RB Series							
2007-99	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-99	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-99	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
1998-88	Mack EM7-300	21SI	J180	100-145	AL9960LH		AL9963SB
2007-99	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-99	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-88	Mack Engines	25,26,30,33SI	J180	75-135			AL9922LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
MACK - Alternator (cont'd)							
RD Series							
2007-99	All Mack Engines	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-99	Mack Engines	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-99	Mack Engines	LN	Pad	140-160	AL9961LH		AL9962SB
2007-99	Mack Engines	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-99	Mack Engines	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-89	Mack Engines	25,26,30,33SI	J180	75-135			AL9922LL
1998-88	Mack EM7-300	21SI	J180	100-145	AL9960LH		AL9963SB
1985-84	Cummins NTC Engines	25,30SI	J180	75-90			AL9922LL
1985-82	DD 6V-92	25,30SI	J180	75-90			AL9922LL
RL Series							
1990-84	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
1983-78	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1978-75	DD 6V-71	25,30SI	J180	75-90			AL9922LL
RM Series							
1998-88	Mack EM7-300	21SI	J180	100-145	AL9960LH		AL9963SB
1994-84	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
1983-78	DD 6V-92	25,30SI	J180	75-90			AL9922LL
RS Series							
1990-79	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
1978-75	DD 6V-71	25,30SI	J180	75-90			AL9922LL
RW Series							
1998-88	Mack EM7-300	21SI	J180	100-145	AL9960LH		AL9963SB
1994-79	Mack Engines	25,26,30SI	J180	75-105			AL9922LL
1990-82	Cummins N / NT	25,26,30SI	J180	75-105			AL9922LL
1985-78	DD 8V-92	25,30SI	J180	75-90			AL9922LL
Titan Series							
2011-08	MP7, MP8	ALL	Pad	110-135		AL9920LL	AL9921LL
U Series							
1985-82	Mack Engines	25,30SI	J180	75-90			AL9922LL
1983-82	Cummins N / NT	25,30SI	J180	75-90			AL9922LL
1981-75	Cummins V-903	25,30SI	J180	75-90			AL9922LL
1981-75	Mack Engines	25,30SI	J180	75-90			AL9922LL
NEW HOLLAND – Alternator							
	TRACTOR 9282						
1997-96	Cummins 6CTA	21SI	J180	130	AL9960LH		AL9963SB
	TRACTOR 9482						
1997-96	Cummins M11	21SI	J180	130	AL9960LH		AL9963SB
	TRACTOR 9682						
1997-96	Cummins N14	21SI	J180	130	AL9960LH		AL9963SB
	TRACTOR 9882						
1997-96	Cummins N14	21SI	J180	130	AL9960LH		AL9963SB
PETERBILT - Alternator							
Med. & HD Trucks							
All Models (By Engine)							
1990-79	DD 6V-92	25,30SI	J180	75-105			AL9922LL
1990-79	DD 8V-92	25,30SI	J180	75-105			AL9922LL
1990-72	Cummins NH Engines	25,30SI	J180	75-105			AL9922LL
1989-79	Caterpillar 3408	25,30SI	J180	75-105			AL9922LL
1988-77	Cummins K	25,30SI	J180	75-105			AL9922LL
1986-72	DD 8V-71	25,30SI	J180	75-105			AL9922LL
1985-79	Caterpillar 3306	25SI	J180	75-90			AL9922LL
1985-75	Caterpillar 3406	25SI	J180	75-90			AL9922LL
1982-72	DD 12V-71	25SI	J180	75-90			AL9922LL
1981-72	Cummins V-903	25SI	J180	75-90			AL9922LL
1978-72	Caterpillar 1674	25SI	J180	75-90			AL9922LL
1978-72	Caterpillar 1693	25SI	J180	75-90			AL9922LL
1978-72	Cummins V8-210	25SI	J180	75-90			AL9922LL
1976-72	Cummins C-190	25,30SI	J180	75-90			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
PETERBILT - Alternator (cont'd)							
220							
2007	Caterpillar C-9	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-9	Denso Brushless	Pad	130		AL9920LL	AL9921LL
320							
2007	Caterpillar C-9	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-9	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2003-97	Caterpillar C-10	26,30,33SI	J180	85-135			AL9922LL
2003-97	Caterpillar C-10 / C-12	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-95	Caterpillar 3126	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-95	Caterpillar 3176	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-93	Caterpillar 3406	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-93	Cummins M11	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-91	Caterpillar 3306	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-91	Cummins C 8.3L	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1999-98	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1999-93	Cummins M11	26,30,33SI	J180	85-135			AL9922LL
1997-93	DD Series 60	21SI,22SI	J180	100-145	AL9960LH		
1997-91	Cummins 8.3L ISC	25,26,30SI	J180	85-105			AL9922LL
1997-91	Cummins L-10	25,26,30SI	J180	85-105			AL9922LL
1996-93	Caterpillar 3306	30,33SI	J180	105-135			AL9922LL
1995-91	Caterpillar 3306	25SI	J180	85			AL9922LL
1995	Caterpillar 3126	26SI	J180	85			AL9922LL
1995	Caterpillar 3126	30SI	J180	105			AL9922LL
1993-91	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	21SI	J180	100-145	AL9960LH		AL9963SB
330							
2007-04	Caterpillar C-7	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-7	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-03	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-03	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2003-96	Caterpillar C-10	26,30,33SI	J180	85-110			AL9922LL
2007	Caterpillar C-9	Denso Brushless	Pad	130		AL9920LL	AL9921LL
335							
2007-05	Caterpillar C-7	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-7	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007	Caterpillar C-9	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Paccar PX-8	22SI	Pad	100-145	AL9961LH		AL9962SB
2007	Paccar PX-8	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
337							
2011-10	Paccar PX-6	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Paccar PX-8	Bosch	Pad	160		AL9920LL	AL9921LL
2011-08	Paccar PX-6	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-08	Paccar PX-8	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
340							
2007-06	Caterpillar C-7	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-06	Caterpillar C-7	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-06	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-06	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-13	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C15	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISX	Denso Brushless	J180	130			AL9922LL
348							
2011-10	Cummins ISL-G	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Paccar PX-6	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	Paccar PX-8	Bosch	Pad	160		AL9920LL	AL9921LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
PETERBILT - Alternator (cont'd)							
348 (cont'd)							
2011-08	Cummins ISL-G	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-08	Paccar PX-6	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-08	Paccar PX-8	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
357							
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2005-97	Caterpillar C-12	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2004-97	Caterpillar C-10	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2003-98	Caterpillar C-10 / C-12 / C-15	22SI	J180	130-145	AL9960LH		AL9963SB
2003-98	Cummins ISM	22SI	J180	130-145	AL9960LH		AL9963SB
2003-98	Cummins ISX	22SI	J180	130-145	AL9960LH		AL9963SB
2003-91	Caterpillar 3406	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-91	Cummins C 8.3L	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2003-91	Cummins N14	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2003-91	Cummins N14	25,26,30,33SI	J180	85-135			AL9922LL
2003-86	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
2001-95	Caterpillar 3126	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-93	Cummins M11	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-91	Caterpillar 3176	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-91	Caterpillar 3306	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-86	Caterpillar 3306	25,26,30,33,35,36SI	J180	75-170			AL9922LL
2000-98	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-98	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-98	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
1999-98	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1999-93	Cummins M11	25,26,30,33SI	J180	85-135			AL9922LL
1999-91	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1999-91	Cummins 8.3L ISC	25,26,30,33SI	J180	85-135			AL9922LL
1998-91	DD 60 Series	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1997-91	DD Series 60	21SI,22SI	J180	130-145	AL9960LH		
1994-86	Cummins L-10	25,26,30SI	J180	75-105			AL9922LL
1993-91	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	25,26,30SI	J180	85-135			AL9922LL
1999	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
1999	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
1999	DD Series 60	LN	Pad	140-160	AL9961LH		
1997	Caterpillar C-10 / C-12	21SI	J180	130-145	AL9960LH		AL9963SB
1995	Caterpillar 3126	26,30SI	J180	85-105			AL9922LL
359							
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
PETERBILT - Alternator (cont'd)							
359 (cont'd)							
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-91	Cummins N14	25,26,30SI	J180	85-135			AL9922LL
2003-79	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
2001-86	Caterpillar 3306	25,26,30,33,35,36SI	J180	75-170			AL9922LL
2000-98	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
1999-91	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1990-79	Cummins NTC Engines	25,30SI	J180	75-105			AL9922LL
362							
2003-79	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
1999-95	Caterpillar 3126	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-95	Caterpillar 3306	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-95	Caterpillar 3306	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1999-93	Cummins M11	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-93	Cummins M11	26,30,33SI	J180	85			AL9922LL
1999-91	Caterpillar 3176	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-91	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1999-91	Caterpillar 3406	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-91	Cummins N14	25,26,30SI	J180	85-135			AL9922LL
1998-91	DD 60 Series	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1997-91	DD Series 60	21SI,22SI	J180	130-145	AL9960LH		
1994-91	Cummins L-10	25,26,30SI	J180	85-105			AL9922LL
1994-91	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	25,26,30SI	J180	85-105			AL9922LL
1990-79	Cummins NTC Engines	25,30SI	J180	75-105			AL9922LL
1999	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
1999	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
1999	DD Series 60	LN	Pad	140-160	AL9961LH		
1995	Caterpillar 3126	26SI	J180	85			AL9922LL
365							
2011-10	CUMMINS ISL9	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISL9	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-10	PACCAR MX	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	PACCAR MX	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-13	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C15	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	J180	130			AL9922LL
367							
2011-10	CUMMINS ISX15	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISX15	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-10	PACCAR MX	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	PACCAR MX	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-13	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C15	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
372							
1995-91	Caterpillar 3176	21SI	J180	100-145	AL9960LH		AL9963SB
1995-91	Caterpillar 3176	25,26,30SI	J180	85-105			AL9922LL
1995-91	Caterpillar 3406	21SI	J180	100-145	AL9960LH		AL9963SB
1995-91	Caterpillar 3406	25,26,30SI	J180	85-105			AL9922LL
1995-91	Cummins N14	21SI	J180	100-145	AL9960LH		AL9963SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
PETERBILT - Alternator (cont'd)							
372 (cont'd)							
1995-91	Cummins N14	25,26,30SI	J180	85-105			AL9922LL
1995-91	DD 60 Series	25,26,30SI	J180	85-105			AL9922LL
1995-91	DD Series 60	21SI	J180	100-145	AL9960LH		AL9922LL
1993-91	DD 6V-71	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	25,26,30SI	J180	85-105			AL9922LL
375							
2001-98	Caterpillar C-10 / C-12 / C-15	22SI	J180	130-145	AL9960LH		AL9963SB
2001-98	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2001-98	Cummins N14	22SI	J180	130-145	AL9960LH		AL9963SB
2001-97	Caterpillar C-10	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2001-97	Caterpillar C-12	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2001-95	Caterpillar 3126	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-93	Caterpillar 3406	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-93	Cummins M11	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-91	Caterpillar 3176	22SI	J180	130-145	AL9960LH		AL9963SB
2001-91	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2001-91	Caterpillar 3306	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-91	Cummins C 8.3L	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2001-86	Caterpillar 3306	25,26,30,33,35,36SI	J180	75-170			AL9922LL
1999-93	Cummins M11	26,30,33SI	J180	85-105			AL9922LL
1999-91	Cummins 8.3L ISC	25,26,30SI	J180	85-135			AL9922LL
1999-91	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
1999	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
1999	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
1999	DD Series 60	LN	Pad	140-160	AL9961LH		
1998-93	DD 60 Series	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1997	Caterpillar C-10 / C-12	21SI	J180	100-145	AL9960LH		AL9963SB
1995-93	DD Series 60	21SI,22SI	J180	100-145	AL9960LH		
1993-91	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	Cummins L-10	25,26,30SI	J180	85-105			AL9922LL
377							
2000-97	Caterpillar C-10	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2000-97	Caterpillar C-12	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2000-95	Caterpillar 3126	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2000-94	Caterpillar 3176	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2000-93	Cummins M11	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2000-93	Cummins M11	26,30,33SI	J180	85-135			AL9922LL
2000-91	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2000-91	Caterpillar 3306	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2000-91	Caterpillar 3306	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2000-91	Caterpillar 3406	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2000-91	Cummins N14	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
2000-89	Cummins N14	25,26SI	J180	75-135			AL9922LL
2000-86	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
1999-98	DD 60 Series	Denso Brushless	J180	105			AL9922LL
1999-87	DD 60 Series	25,26,30,33,35,36SI	J180	75-170			AL9922LL
1999	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
1999	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
1999	DD Series 60	LN	Pad	140-160	AL9961LH		
1997-91	DD Series 60	21SI,22SI	J180	130-145	AL9960LH		
1993-91	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	Cummins L-10	25,26,30SI	J180	85-105			AL9922LL
1993-91	DD 6V-71	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	25,30SI	J180	85-105			AL9922LL
1990-86	Cummins NTC Engines	25,30SI	J180	85-105			AL9922LL
MED. & HD TRK - 378/379							
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
PETERBILT - Alternator (cont'd)							
MED. & HD TRK - 378/379 (cont'd)							
2007-05	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-13	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2005-86	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
2004-91	Cummins N14	25,26,30,33SI	J180	85-110			AL9922LL
2003-99	Cummins Signature	33SI	J180	110-135			AL9922LL
2003-99	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-99	DD Series 60	LN	Pad	140-160	AL9961LH		AL9921LL
2003-97	Caterpillar C-10	22SI	J180	130-145	AL9960LH		AL9963SB
2003-97	Caterpillar C-10	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2003-97	Caterpillar C-12	22SI	J180	130-145	AL9960LH		AL9963SB
2003-97	Caterpillar C-12	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2003-97	Caterpillar C-15	22SI	J180	130-145	AL9960LH		AL9963SB
2003-91	Cummins N14	22SI	J180	130-145	AL9960LH		AL9963SB
2003-00	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-00	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2003-00	Caterpillar C-16	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	Caterpillar C-16	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2000-97	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-97	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-97	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
1999-98	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1999-95	Caterpillar 3126	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-93	Cummins M11	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-93	Cummins M11	25,26,30SI	J180	85-110			AL9922LL
1999-91	Caterpillar 3176	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-91	Caterpillar 3176	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1999-91	Caterpillar 3306	21SI,22SI	J180	130-145	AL9960LH		AL9963SB
1999-91	Caterpillar 3306	25,26,30,33,35,36SI	J180	85-170			AL9922LL
1999-91	Caterpillar 3406	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1998-87	DD 60 Series	25,26,30,33,35,36SI	J180	75-170			AL9922LL
1997-95	Cummins 8.3L ISC	26,30SI	J180	85-105			AL9922LL
1993-91	Cummins L-10	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	Cummins L-10	25,26,30SI	J180	75-105			AL9922LL
1993-91	DD 6V-71	21SI	J180	100-145	AL9960LH		AL9963SB
1993-91	DD 6V-71	25,26,30SI	J180	85-105			AL9922LL
1990-86	Cummins NTC Engines	25,26,30SI	J180	75-105			AL9922LL
382							
2011-10	CUMMINS ISL9	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISL9	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
PETERBILT - Alternator (cont'd)							
384							
2011-10	CUMMINS ISL9	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISL9	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-10	CUMMINS ISL-G	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISL-G	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-10	PACCAR MX	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	PACCAR MX	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C15	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
385							
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-05	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2005-97	Caterpillar C-12	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2003-97	Caterpillar C-10	25,26,30,33,35,36SI	J180	85-170			AL9922LL
2003-96	Cummins N14	26,30,33SI	J180	85-110			AL9922LL
2000-97	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-97	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
1999-96	Caterpillar 3176	33,35,36SI	J180	110-170			AL9922LL
1999-96	Cummins M11	33SI	J180	110-135			AL9922LL
386							
2011-10	CUMMINS ISX15	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISX15	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-10	PACCAR MX	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	PACCAR MX	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2007-06	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-06	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-06	Caterpillar C-13	33,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-06	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-06	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-06	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-06	Caterpillar C-15	33,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-06	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-06	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-06	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-06	Cummins ISX	33,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-06	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISM	Denso Brushless	J180	130			AL9922LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
387							
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
PETERBILT - Alternator (cont'd)							
387 (cont'd)							
2007-04	Caterpillar C-13	33,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-00	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-00	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-00	Caterpillar C-15	33,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-00	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-00	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-00	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2007-00	Cummins ISM	33,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-00	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-00	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-00	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-00	Cummins ISX	33,34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-00	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2005-00	Caterpillar 3406	33,34,35,36SI	J180	110-170			AL9922LL
2004-00	Caterpillar C-12	33,34,35,36SI	J180	110-170			AL9922LL
2003-00	Caterpillar C-10	33,34,35,36SI	J180	110-170			AL9922LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
388							
2011-10	CUMMINS ISX15	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISX15	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-10	PACCAR MX	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	PACCAR MX	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-13	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
389							
2011-10	CUMMINS ISX15	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISX15	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-04	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007	Caterpillar C-13	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-13	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Caterpillar C-15	Denso Brushless	J180	130			AL9922LL
2007	Caterpillar C-15	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISM	Denso Brushless	Pad	130		AL9920LL	AL9921LL
2007	Cummins ISX	Denso Brushless	Pad	130		AL9920LL	AL9921LL
587							
2011-10	CUMMINS ISX15	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	PACCAR MX	Bosch	Pad	160		AL9920LL	AL9921LL
2011-10	CUMMINS ISX15	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
2011-10	PACCAR MX	Denso,Remy, LN	Pad	110-170		AL9920LL	AL9921LL
STERLING - Alternator							
Med. & HD Trucks							
Acterra M5500 / 6500 / 7500 / 8500							
2007-04	Cummins 5.9L ISB	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Cummins 5.9L ISB	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
STERLING - Alternator (cont'd)							
Med. & HD Trucks							
Acterra M5500 / 6500 / 7500 / 8500 (cont'd)							
2007-04	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-01	Mercedes Benz MBE900	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Mercedes Benz MBE900	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007	Caterpillar	24SI	Pad	160	AL9961LH		AL9962SB
2007	Detroit Diesel	24SI	Pad	160	AL9961LH		AL9962SB
2007	Mercedes Benz MBE926	24SI	Pad	160	AL9961LH		AL9962SB
A-Line A9500 / AT9500							
2008-99	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-04	Caterpillar C-11	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-04	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-04	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-04	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-03	Mercedes MBE4000	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-03	Mercedes MBE4000	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-99	DD Series 60	LN	Pad	140-160	AL9961LH		
2007-04	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-03	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007	Mercedes Benz	24SI	Pad	160	AL9961LH		AL9962SB
2004-99	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2004-99	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2003-99	Cummins N14	33,35,36SI	J180	110-170			AL9922LL
2003-01	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Caterpillar C-16	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Caterpillar C-16	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2001-99	Cummins M11	33SI	J180	110-135			AL9922LL
2000-99	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISM	33,35,36SI	J180	110-170			AL9922LL
2000-99	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
Condor							
2008-05	Caterpillar C-11	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-05	Caterpillar C-13	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-03	Mercedes MBE4000	33,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-01	Caterpillar C-15	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2008-01	DD 60 Series	33,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2005-01	Cummins 8.9L ISL	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-01	Cummins 8.9L ISL	LN	Pad	140-160	AL9961LH		AL9962SB
2005-01	Cummins 8.9L ISL	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2005-01	Cummins 8.9L ISL	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2005-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
STERLING - Alternator (cont'd)							
Condor (cont'd)							
2005-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2005-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2005-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2005-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2005-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2005-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2005-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2004-99	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2004-99	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2003-99	Cummins N14	33,35,36SI	J180	110-170			AL9922LL
2003-01	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2001-99	Cummins M11	33SI	J180	110-135			AL9922LL
2000-99	Caterpillar 3306	33SI	J180	110-135			AL9922LL
2000-99	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2000-99	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2003	Caterpillar C-16	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
L-Line 7500 / 8000 / 8500 / 9500							
2008-05	Caterpillar C-11	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-05	Caterpillar C-13	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-03	Mercedes MBE4000	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-01	Caterpillar C-15	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-01	Caterpillar C-9	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2008-01	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-06	Mercedes Benz MBE900	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-06	Mercedes Benz MBE900	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-11	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-05	Caterpillar C-7	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-05	Caterpillar C-7	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-04	Cummins 8.3L ISC	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Cummins 8.3L ISC	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-03	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-9	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-9	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-01	Caterpillar C-9	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	DD Series 60	LN	Pad	140-160	AL9961LH		AL9962SB
2007	Detroit Diesel	24SI	Pad	160	AL9961LH		AL9962SB
2003	Caterpillar C-16	22SI	Pad	100-145	AL9961LH		AL9962SB
2003	Caterpillar C-16	LN	Pad	140-160	AL9961LH		AL9962SB
2003	Caterpillar C-16	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
Silver Star Series							
2001-99	Caterpillar 3406	33,35,36SI	J180	110-170			AL9922LL
2001-99	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2001-99	Cummins N14	33,35,36SI	J180	110-170			AL9922LL
2001-99	DD 60 Series	33,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2001-99	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2001-99	DD Series 60	LN	Pad	140-160	AL9961LH		AL9962SB
TIMBERJACK — Alternator							
FELLER BUNCHER 2618							
1995-On	Cummins 8.3L Diesel	21SI	J180	100	AL9960LH		AL9963SB
FELLER BUNCHER 2628							
1995-On	Cummins 8.3L Diesel	21SI	J180	100	AL9960LH		AL9963SB

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
TIMBERJACK – Alternator (cont'd)							
FELLER BUNCHER 608							
1995-On	Cummins 5.9L Diesel	21SI	J180	100	AL9960LH		AL9963SB
FELLER BUNCHER 618							
1995-On	Cummins 8.3L Diesel	21SI	J180	100	AL9960LH		AL9963SB
FELLER BUNCHER 628							
1995-On	Cummins 8.3L Diesel	21SI	J180	100	AL9960LH		AL9963SB
MISC. EQUIP. - 608 HARVESTER							
1995-On	ALL	21SI	J180	100	AL9960LH		AL9963SB
VOLVO - Alternator							
Med. & HD Trucks ACL42 / ACL64 Series							
2000-94	Caterpillar 3176	26,30,33SI	J180	85-135			AL9922LL
2000-94	Cummins M11	26,30,33SI	J180	85-135			AL9922LL
2000-94	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
2000-94	Volvo VED 12	26,30,33,35,36SI	J180	85-170			AL9922LL
1999-94	DD 60 Series	26,30,33SI	J180	85-135			AL9922LL
1998-96	Caterpillar 3116	Denso Brushless	J180	105-130			AL9922LL
1998-96	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1998-96	Cummins N14	Denso Brushless	J180	105-130			AL9922LL
1998-96	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1998-96	Volvo VE D12B-345	Denso Brushless	J180	105-130			AL9922LL
1995-94	Cummins N14	21SI	J180	145	AL9960LH		AL9963SB
MED. & HD TRK - ALL MODELS							
1993-92	Various Engines	21SI	J180	100-145	AL9960LH		AL9963SB
1991-90	Various Engines	21SI	J180	100-145	AL9960LH		AL9963SB
1989	Various Engines	21SI	J180	100-145	AL9960LH		AL9963SB
FE42							
1998-94	Volvo D7 Dsl	26,30,33,35,36SI	J180	85-170			AL9922LL
VHD Series							
2011-08	Volvo D11	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Volvo D13	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-01	Volvo VED 12	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Volvo VED 12	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-01	Volvo VED 12	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Volvo VED 12	33SI	J180	110-135			AL9922LL
2007-01	Volvo VED 12	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-01	Volvo VED 12	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-01	Cummins M11	33SI	J180	110-135			AL9922LL
VNL Series							
2011-08	Volvo D11	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Volvo D13	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-05	Volvo D16	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-00	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-00	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-00	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-00	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2004-94	Cummins M11	33SI	J180	110-135			AL9922LL
2003-97	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
2003-00	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-00	DD Series 60	LN	Pad	140-160	AL9961LH		
2001-97	Cummins ISL	33SI	J180	110-135			AL9922LL
1999-94	DD 60 Series	26,30,33,35SI	J180	85-135			AL9922LL
1998-94	Caterpillar 3406	26,30,33SI	J180	85-135			AL9922LL
VN SERIES							
2011-08	Volvo D11	ALL	Pad	110-170		AL9920LL	AL9921LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
VOLVO - Alternator (cont'd)							
VN SERIES (cont'd)							
2011-08	Volvo D13	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Volvo D16	ALL	Pad	110-170		AL9920LL	AL9921LL
1998-97	Caterpillar 3116	Denso Brushless	J180	105-130			AL9922LL
1998-97	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1998-97	Cummins N14	Denso Brushless	J180	105-130			AL9922LL
1998-97	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1998-97	Volvo VE-250	Denso Brushless	J180	105-130			AL9922LL
1996-94	Volvo VE-250	21SI	J180	100-130	AL9960LH		AL9963SB
VNM Series							
2011-08	Volvo D11	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Volvo D13	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	Volvo D16	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-01	Volvo VED 12	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Volvo VED 12	Delco 24SI (Opt. Repl.)	Pad	130-160	AL9961LH		AL9962SB
2007-01	Volvo VED 12	LN	Pad	140-160	AL9961LH		AL9962SB
2007-01	Volvo VED 12	33SI	J180	110-135			AL9922LL
2007-01	Volvo VED 12	34,35SI	Pad	110-135		AL9920LL	AL9921LL
2007-01	Volvo VED 12	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-97	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-97	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2003-97	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-97	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-97	Cummins M11	33SI	J180	110-135			AL9922LL
2003-97	Cummins N14	26,33SI	J180	85-135			AL9922LL
2003-00	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-00	DD Series 60	LN	Pad	140-160	AL9961LH		AL9921LL
1999-97	DD 60 Series	33SI	J180	110-135			AL9922LL
VT Series							
2007-05	Volvo D16	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2007-04	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-04	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
WA / WC / WG / WH / WI / WX Series							
2003-00	DD 60 Series	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-00	DD 60 Series	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-00	DD Series 60	LN	Pad	140-160	AL9961LH		
2001-97	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2001-97	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2001-97	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2001-97	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2001-94	Cummins M11	26,30,33SI	J180	85-135			AL9922LL
2001-94	Volvo VED 12	26,30,33,35SI	J180	85-170			AL9922LL
2000-96	Caterpillar 3306	22SI	J180	130-145	AL9960LH		AL9963SB
2000-94	Caterpillar 3306	26,30,33SI	J180	85-135			AL9922LL
2000-94	Cummins M11	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-94	Cummins N14	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
2000-94	Cummins N14	26,30,33SI	J180	85-135			AL9922LL
1999-94	DD 60 Series	26,30,33,35SI	J180	85-135			AL9922LL
1998-97	Cummins L10	22SI	J180	100-130	AL9960LH		AL9963SB
1998-94	Volvo VE D300	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1998-94	Volvo VE-250	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1998-90	Cummins L-10	26,30,33SI	J180	85-135			AL9922LL
1997-94	Caterpillar 3176	21SI,22SI	J180	100-145	AL9960LH		AL9963SB
1997-98	Caterpillar 3116	Denso Brushless	J180	130			AL9922LL
1997-98	Cummins M11	Denso Brushless	J180	105-130			AL9922LL
1997-98	Cummins N14	Denso Brushless	J180	130			AL9922LL
1997-98	DD 60 Series	Denso Brushless	J180	105-130			AL9922LL
1997-98	Volvo VE D12B-345	Denso Brushless	J180	130			AL9922LL

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
VOLVO - Alternator (cont'd)							
WA / WC / WG / WH / WI / WX Series (cont'd)							
1997- 98	Volvo VE D300	Denso Brushless	J180	130			AL9922LL
1997- 98	Volvo VE-250	Denso Brushless	J180	130			AL9922LL
1996	Volvo VE-250	21SI	J180	100-145	AL9960LH		AL9963SB
WESTERN STAR - Alternator							
Med. & HD Trucks							
All Models (By Engine)							
2011-99	DD 60 Series	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-08	DD16	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-04	Caterpillar C-13	ALL	Pad	110-170		AL9920LL	AL9921LL
2011-01	Caterpillar C-15	ALL	Pad	110-170		AL9920LL	AL9921LL
2007-04	Caterpillar C-13	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-04	Caterpillar C-13	LN	Pad	140-160	AL9961LH		AL9962SB
2007-02	Mercedes Benz MBE4000	LN	Pad	140-160	AL9961LH		AL9962SB
2007-02	Mercedes MBE4000	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2007-02	Mercedes MBE4000	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2007-01	Caterpillar C-15	22SI	Pad	100-145	AL9961LH		AL9962SB
2007-01	Caterpillar C-15	LN	Pad	140-160	AL9961LH		AL9962SB
2007	Caterpillar	24SI	Pad	145	AL9961LH		AL9962SB
2007	Cummins	24SI	Pad	145	AL9961LH		AL9962SB
2007	Detroit Diesel	24SI	Pad	145	AL9961LH		AL9962SB
2007	Mercedes Benz	24SI	Pad	145	AL9961LH		AL9962SB
2004-97	Caterpillar C-12	33,35,36SI	J180	110-170			AL9922LL
2003-99	Caterpillar C-15	22SI	J180	100-130	AL9960LH		AL9963SB
2003-99	Cummins ISM	22SI	J180	100-130	AL9960LH		AL9963SB
2003-99	Cummins ISX	22SI	J180	100-130	AL9960LH		AL9963SB
2003-99	DD Series 60	LN	Pad	140-160	AL9961LH		AL9921LL
2003-97	Caterpillar 3406	22SI	J180	100-130	AL9960LH		AL9963SB
2003-97	Caterpillar C-10	33,35,36SI	J180	110-170			AL9922LL
2003-97	Caterpillar C-12	22SI	J180	100-130	AL9960LH		AL9963SB
2003-01	Cummins ISM	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISM	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISM	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISM	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2003-01	Cummins ISX	22SI	Pad	100-145	AL9961LH		AL9962SB
2003-01	Cummins ISX	LN	Pad	140-160	AL9961LH		AL9962SB
2003-01	Cummins ISX	34,35,36SI	Pad	110-170		AL9920LL	AL9921LL
2003-01	Cummins ISX	BLP2303,2306,2309,2310	Pad	140-160		AL9920LL	AL9921LL
2001-99	Cummins Signature	22SI	J180	100-130	AL9960LH		AL9963SB
2001-99	Cummins Signature	33SI	J180	110-135			AL9922LL
2000-99	Cummins ISM	33,35,36SI	J180	135-170			AL9922LL
2000-99	Cummins ISX	33,35,36SI	J180	110-170			AL9922LL
2000-97	Caterpillar C-15	33,35,36SI	J180	110-170			AL9922LL
2000-83	Caterpillar 3406	25,26,30,33,35,36SI	J180	75-170			AL9922LL
1999-74	Caterpillar 3306	25,26,30,33SI	J180	75-135			AL9922LL
1998-97	Cummins M11	25,26,30,33,35,36SI	J180	75-170			AL9922LL
1998-89	Caterpillar 3306	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1998-89	Cummins L-10	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1998-89	Cummins N14	21SI,22SI	J180	100-130	AL9960LH		AL9963SB
1998-89	DD 60 Series	25,26,30,33SI	J180	85-135			AL9922LL
1998-85	Cummins L-10	25,26,30,33SI	J180	75-135			AL9922LL
1996-89	DD Series 60	21SI,22SI	J180	100-130	AL9960LH		AL9922LL
1996-89	DD 6V-92	21SI	J180	100-130	AL9960LH		AL9963SB
1993-74	DD 6V-92	25,30SI	J180	75-105			AL9922LL
1991-89	DD 8V-92	21SI	J180	100-130	AL9960LH		AL9963SB
1991-83	DD 8V-92	25,30SI	J180	75-105			AL9922LL
1988-74	Cummins K / KT	25,30SI	J180	75-90			AL9922LL
1986-74	Cummins VT-555	25,30SI	J180	75-90			AL9922LL
1984-74	Cummins V-903	25,30SI	J180	75-90			AL9922LL
1982-74	Cummins NH / NTA / NTC	25,30SI	J180	75-90			AL9922LL
1981-74	DD 8V-71	25,30SI	J180	75-90			AL9922LL

Medium & Heavy Duty Applications

Long Haul® Alternators

Year	Make/Model Engine Application	OE Type	Mounting Config.	OE Amps	Bosch 160 AMP	Bosch 170 AMP	Bosch 200 AMP
WESTERN STAR - Alternator (cont'd)							
Med. & HD Trucks							
All Models (By Engine) (cont'd)							
1979-74	DD 12V-71	25,30SI	J180	75-90			AL9922LL
1979-74	DD 6V-53	25,30SI	J180	75-90			AL9922LL
1979-74	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1978-74	Caterpillar 3208	25,26,30,33SI	J180	75-90			AL9922LL
WHITE - Alternator							
Med. & HD Trucks							
All Models (By Engine)							
1984-74	Caterpillar 3208	30SI	J180	90			AL9922LL
1984-74	Caterpillar 3306	25,30SI	J180	75-90			AL9922LL
1984-74	Caterpillar 3406	25,30SI	J180	75-90			AL9922LL
1984-74	Cummins K / KT	25,30SI	J180	75-90			AL9922LL
1984-74	Cummins NH,NTA,NTC,PT	25,30SI	J180	75-90			AL9922LL
1984-74	Cummins VT-555	25,30SI	J180	75-90			AL9922LL
1984-74	Cummins VT-903	25,30SI	J180	75-90			AL9922LL
1984-74	DD 6V-53	25,30SI	J180	75-90			AL9922LL
1984-74	DD 6V-71	25,30SI	J180	75-90			AL9922LL
1984-74	DD 6V-92	25,30SI	J180	75-90			AL9922LL
1984-74	DD 8V-71	25,30SI	J180	75-90			AL9922LL
1984-74	DD 8V-92	25,30SI	J180	75-90			AL9922LL

Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME	Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME
AC DELCO					DETROIT DIESEL (cont'd)				
321-674	AL9960LH		AL9963SB		10459134	AL9960LH		AL9963SB	
321-676	AL9960LH		AL9963SB		10459135	AL9960LH		AL9963SB	
321-677	AL9960LH		AL9963SB		10459341	AL9961LH		AL9962SB	
321-681	AL9960LH		AL9963SB		10459457	AL9960LH		AL9963SB	
321-682	AL9960LH		AL9963SB		10459457	AL9960LH		AL9963SB	
321-683	AL9960LH		AL9963SB		R0459109	AL9960LH		AL9963SB	
321-684	AL9960LH		AL9963SB		R0459111	AL9960LH		AL9963SB	
321-685	AL9960LH		AL9963SB		R0459133	AL9960LH		AL9963SB	
321-687	AL9960LH		AL9963SB		R0459135	AL9960LH		AL9963SB	
321-688	AL9960LH		AL9963SB		R0459340	AL9961LH		AL9962SB	
321-689	AL9960LH		AL9963SB		R0459341	AL9961LH		AL9962SB	
321-701	AL9960LH		AL9963SB		R0459457	AL9960LH		AL9963SB	
321-715	AL9960LH		AL9963SB		R0469134	AL9960LH		AL9963SB	
321-716	AL9960LH		AL9963SB		DIXIE				
321-717	AL9960LH		AL9963SB		A-1341	AL9960LH		AL9963SB	
321-718	AL9960LH		AL9963SB		A-1342	AL9960LH		AL9963SB	
321-719	AL9960LH		AL9963SB		A-1350	AL9960LH		AL9963SB	
321-720	AL9960LH		AL9963SB		A-1353	AL9960LH		AL9963SB	
321-721	AL9960LH		AL9963SB		A-1354	AL9960LH		AL9963SB	
321-738	AL9960LH		AL9963SB		A-1355	AL9960LH		AL9963SB	
321-739	AL9960LH		AL9963SB		A-1358	AL9960LH		AL9963SB	
321-740	AL9960LH		AL9963SB		A-1359	AL9960LH		AL9963SB	
CARGO					A-1360	AL9960LH		AL9963SB	
111232	AL9960LH		AL9963SB		A-1450	AL9960LH		AL9963SB	
CUMMINS RECON					A-1451	AL9960LH		AL9963SB	
3604666RX	AL9960LH		AL9963SB		A-1452	AL9960LH		AL9963SB	
3604667RX	AL9960LH		AL9963SB		A-1455				AL9922LL
3604668RX	AL9960LH		AL9963SB		A-1456				AL9922LL
3604669RX	AL9960LH		AL9963SB		A-1552		AL9920LL		AL9921LL
3675157RX	AL9960LH		AL9963SB		A-1553		AL9920LL		AL9921LL
3675158RX	AL9960LH		AL9963SB		A-1658		AL9920LL		AL9921LL
DENSO					A-1659		AL9920LL		AL9921LL
101211-8010				AL9922LL	A-1688				AL9922LL
101211-8020				AL9922LL	A-1689				AL9922LL
101211-8030				AL9922LL	A-1690				AL9922LL
101211-8040				AL9922LL	A-1694		AL9920LL		AL9921LL
101211-8050				AL9922LL	A-1695		AL9920LL		AL9921LL
101211-8060				AL9922LL	A-1696		AL9920LL		AL9921LL
101211-8070				AL9922LL	A-1719				AL9922LL
101211-8080				AL9922LL	A-1721		AL9920LL		AL9921LL
101211-8090				AL9922LL	A-1731				AL9922LL
101211-8100				AL9922LL	A-1739		AL9920LL		AL9921LL
101211-8110				AL9922LL	A-80131				AL9922LL
101211-8120				AL9922LL	A-80132				AL9922LL
101211-8380		AL9920LL		AL9921LL	A-80133				AL9922LL
101211-8390		AL9920LL		AL9921LL	A-80134				AL9922LL
DETROIT DIESEL					A-80135				AL9922LL
10459109	AL9960LH		AL9963SB		A-80136				AL9922LL
10459111	AL9960LH		AL9963SB		A-8758				AL9922LL
10459133	AL9960LH		AL9963SB		A-8759				AL9922LL

Cross Reference Replacement Guide



Long Haul® Alternators

Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME	Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME
DIXIE (cont'd)					LESTER (cont'd)				
A-8760				AL9922LL	7262				AL9922LL
DIXIE NEW					7266	AL9960LH		AL9963SB	
101-33101				AL9922LL	7565	AL9960LH		AL9963SB	
101-33102				AL9922LL	7649				AL9922LL
KENWORTH					7662	AL9960LH		AL9963SB	
D27-1006-0160J		AL9920LL		AL9921LL	7666	AL9960LH		AL9963SB	
D27-1006-0160P		AL9920LL		AL9921LL	7669	AL9960LH		AL9963SB	
D27-6001-0130J				AL9922LL	7671	AL9960LH		AL9963SB	
D27-6001-0130P		AL9920LL		AL9921LL	7674				AL9922LL
LEECE NEVILLE					7675				AL9922LL
110 555P	AL9961LH			AL9962SB	7676				AL9922LL
110 555PHD	AL9961LH			AL9962SB	7681	AL9960LH		AL9963SB	
110-573P	AL9961LH			AL9962SB	7940	AL9960LH		AL9963SB	
110-573P	AL9961LH	AL9920LL		AL9921LL	7940				AL9922LL
110-800		AL9920LL		AL9921LL	7971	AL9960LH		AL9963SB	
110-801				AL9922LL	7976	AL9960LH		AL9963SB	
110-804		AL9920LL		AL9921LL	8003	AL9960LH		AL9963SB	
110-810		AL9920LL		AL9921LL	8010	AL9960LH		AL9963SB	
110-811					8027	AL9960LH		AL9963SB	
110-813					8028	AL9960LH		AL9963SB	
110-814		AL9920LL		AL9921LL	8060				AL9922LL
110-910		AL9920LL		AL9921LL	8064				AL9922LL
110-911	AL9961LH			AL9962SB	8065				AL9922LL
110-912		AL9920LL		AL9921LL	8066				AL9922LL
8HLP2276V				AL9962SB	8071	AL9960LH		AL9963SB	
BLHP2170V	AL9961LH			AL9962SB	8072	AL9960LH		AL9963SB	
8LHP2170VH	AL9961LH			AL9962SB	8075	AL9960LH		AL9963SB	
BLD2130GH				AL9922LL	8078	AL9960LH		AL9963SB	
BLD2301				AL9922LL	8079	AL9960LH		AL9963SB	
BLD2301GH				AL9922LL	8080				AL9922LL
BLD2301H				AL9922LL	8081				AL9922LL
BLD2305				AL9922LL	8082				AL9922LL
BLD2307				AL9922LL	8083				AL9922LL
BLD2307GH				AL9922LL	8095		AL9920LL		AL9921LL
BLD2308				AL9922LL	8096		AL9920LL		AL9921LL
BLD2333GH				AL9922LL	8097		AL9920LL		AL9921LL
BLP2131GH		AL9920LL		AL9921LL	8362	AL9961LH		AL9962SB	
BLP2303		AL9920LL		AL9921LL	8385				AL9922LL
BLP2306		AL9920LL		AL9921LL	8387				AL9922LL
BLP2309		AL9920LL		AL9921LL	8389		AL9920LL		AL9921LL
BLP2310		AL9920LL		AL9921LL	8390		AL9920LL		AL9921LL
BLP2334GH		AL9920LL		AL9921LL	8397		AL9920LL		AL9921LL
LBP2132		AL9920LL		AL9921LL	8452		AL9920LL		AL9921LL
LBP2176		AL9920LL		AL9921LL	8574				AL9922LL
LBP2180		AL9920LL		AL9921LL	8578				AL9922LL
LBP2187	AL9961LH			AL9962SB	8579		AL9920LL		AL9921LL
LBP2187GH	AL9961LH			AL9962SB	8580				AL9922LL
LESTER					8581				AL9922LL
7255				AL9922LL	8582				AL9922LL
7262				AL9922LL	8583				AL9922LL

Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME	Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME
LESTER (cont'd)					PETERBILT (cont'd)				
8585				AL9922LL	D27-1006-0160P		AL9920LL		AL9921LL
8586				AL9922LL	D27-6001-0130J				AL9922LL
8587		AL9920LL		AL9921LL	D27-6001-0130P		AL9920LL		AL9921LL
8595		AL9920LL		AL9921LL	REMY				
8596		AL9920LL		AL9921LL	1117225				AL9922LL
8597		AL9920LL		AL9921LL	1117228				AL9922LL
8602		AL9920LL		AL9921LL	1117231				AL9922LL
8607				AL9922LL	1117234				AL9922LL
8609		AL9920LL		AL9921LL	1117240				AL9922LL
8612				AL9922LL	1117241				AL9922LL
8614		AL9920LL		AL9921LL	1117242				AL9922LL
8697		AL9920LL		AL9921LL	1117244				AL9922LL
8698		AL9920LL		AL9921LL	1117255				AL9922LL
12349				AL9922LL	1117261				AL9922LL
12466				AL9922LL	1117262				AL9922LL
12467		AL9920LL		AL9921LL	1117263				AL9922LL
12468		AL9920LL		AL9921LL	1117264				AL9922LL
12860				AL9922LL	1117266				AL9922LL
MIDLAND					1117279				AL9922LL
RA121000X	AL9960LH		AL9963SB		1117641	AL9960LH		AL9963SB	
RA121001X	AL9960LH		AL9963SB		1117732				AL9922LL
RA121002X	AL9960LH		AL9963SB		1117800				AL9922LL
RA121008X	AL9960LH		AL9963SB		1117801				AL9922LL
RA121009X	AL9960LH		AL9963SB		1117803				AL9922LL
RA121010X	AL9960LH		AL9963SB		1117804				AL9922LL
RA121011X	AL9960LH		AL9963SB		1117816				AL9922LL
RA121015X	AL9960LH		AL9963SB		1117816	AL9960LH		AL9963SB	
RA121016X	AL9960LH		AL9963SB		1117818				AL9922LL
RA121017X	AL9960LH		AL9963SB		1117903	AL9960LH		AL9963SB	
RA121018X	AL9960LH		AL9963SB		1117904	AL9960LH		AL9963SB	
RA121019X	AL9960LH		AL9963SB		1117911	AL9960LH		AL9963SB	
RA121020X	AL9960LH		AL9963SB		1117927	AL9960LH		AL9963SB	
RA121021X	AL9960LH		AL9963SB		8300316			AL9962SB	
RA121022X	AL9960LH		AL9963SB		8400046				AL9922LL
RA121023X	AL9960LH		AL9963SB		8600009	AL9961LH		AL9962SB	
RA121024X	AL9960LH		AL9963SB		8600015		AL9920LL		AL9921LL
RA121025X	AL9960LH		AL9963SB		8600018	AL9961LH		AL9962SB	
RA122000X	AL9960LH		AL9963SB		8600019	AL9961LH		AL9962SB	
RA122001X	AL9960LH		AL9963SB		8600032	AL9960LH		AL9963SB	
RA122002X	AL9960LH		AL9963SB		8600043	AL9961LH		AL9962SB	
AA121008X	AL9960LH		AL9963SB		8600064				AL9922LL
AA121011X	AL9960LH		AL9963SB		8600066		AL9920LL		AL9921LL
AA121015X	AL9960LH		AL9963SB		8600068	AL9961LH		AL9962SB	
NAVISTAR					8600081	AL9961LH		AL9962SB	
19011154				AL9922LL	8600126				AL9922LL
3837344C91		AL9920LL		AL9921LL	8600127		AL9920LL		AL9921LL
3867569C91		AL9920LL		AL9921LL	8600223			AL9963SB	
3867570C91		AL9920LL		AL9921LL	8600312	AL9960LH		AL9963SB	
PETERBILT					8600313			AL9963SB	
D27-1006-0160J		AL9920LL		AL9921LL	8600314			AL9962SB	

Cross Reference Replacement Guide



Long Haul® Alternators

Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME	Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME
REMY (cont'd)					REMY (cont'd)				
8600315	AL9961LH		AL9962SB		10459047	AL9960LH		AL9963SB	
8700000				AL9922LL	10459048	AL9960LH		AL9963SB	
8700001		AL9920LL		AL9921LL	10459049	AL9960LH		AL9963SB	
8700002		AL9920LL		AL9921LL	10459052	AL9960LH		AL9963SB	
8700004		AL9920LL		AL9921LL	10459053	AL9960LH		AL9963SB	
8700005				AL9922LL	10459054	AL9960LH		AL9963SB	
8700007		AL9920LL		AL9921LL	10459055	AL9960LH		AL9963SB	
8700008	AL9961LH		AL9962SB		10459059	AL9960LH		AL9963SB	
8700009	AL9961LH		AL9962SB		10459082	AL9960LH		AL9963SB	
8700010	AL9960LH		AL9963SB		10459104	AL9960LH		AL9963SB	
8700011	AL9960LH		AL9963SB		10459105	AL9960LH		AL9963SB	
8700012	AL9961LH		AL9962SB		10459106	AL9960LH		AL9963SB	
8700013	AL9961LH		AL9962SB		10459107	AL9960LH		AL9963SB	
8700014		AL9920LL		AL9921LL	10459109	AL9960LH		AL9963SB	
8700015		AL9920LL		AL9921LL	10459111	AL9960LH		AL9963SB	
8700016				AL9922LL	10459115	AL9960LH		AL9963SB	
8700018		AL9920LL		AL9921LL	10459117	AL9960LH		AL9963SB	
8700019	AL9960LH		AL9963SB		10459118	AL9960LH		AL9963SB	
8700021	AL9961LH		AL9962SB		10459133	AL9960LH		AL9963SB	
8700023				AL9922LL	10459134	AL9960LH		AL9963SB	
8700024				AL9922LL	10459135	AL9960LH		AL9963SB	
8700026				AL9922LL	10459141				AL9922LL
8700028				AL9922LL	10459142				AL9922LL
8700030		AL9920LL		AL9921LL	10459143				AL9922LL
8700032	AL9960LH		AL9963SB		10459144				AL9922LL
8700043	AL9961LH		AL9962SB		10459147	AL9960LH		AL9963SB	
8700047		AL9920LL		AL9921LL	10459154	AL9960LH		AL9963SB	
8700064				AL9922LL	10459155	AL9960LH		AL9963SB	
8700066		AL9920LL		AL9921LL	10459156	AL9960LH		AL9963SB	
8700068	AL9960LH		AL9963SB		10459157	AL9960LH		AL9963SB	
8700081	AL9961LH		AL9962SB		10459158	AL9960LH		AL9963SB	
8700126				AL9922LL	10459160	AL9960LH		AL9963SB	
10459008	AL9960LH		AL9963SB		10459174	AL9960LH		AL9963SB	
10459013	AL9960LH		AL9963SB		10459175	AL9960LH		AL9963SB	
10459017	AL9960LH		AL9963SB		10459176	AL9960LH		AL9963SB	
10459020	AL9960LH		AL9963SB		10459177	AL9960LH		AL9963SB	
10459026	AL9960LH		AL9963SB		10459178	AL9960LH		AL9963SB	
10459027	AL9960LH		AL9963SB		10459179	AL9960LH		AL9963SB	
10459028	AL9960LH		AL9963SB		10459180				AL9922LL
10459035	AL9960LH		AL9963SB		10459181				AL9922LL
10459036	AL9960LH		AL9963SB		10459182				AL9922LL
10459037	AL9960LH		AL9963SB		10459183				AL9922LL
10459038	AL9960LH		AL9963SB		10459185	AL9960LH		AL9963SB	
10459039	AL9960LH		AL9963SB		10459188	AL9960LH		AL9963SB	
10459040	AL9960LH		AL9963SB		10459189	AL9960LH		AL9963SB	
10459041	AL9960LH		AL9963SB		10459190	AL9960LH		AL9963SB	
10459042	AL9960LH		AL9963SB		10459194				AL9922LL
10459043	AL9960LH		AL9963SB		10459195				AL9922LL
10459044	AL9960LH		AL9963SB		10459204	AL9960LH		AL9963SB	
10459045	AL9960LH		AL9963SB		10459210	AL9960LH		AL9963SB	

Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME	Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME
REMY (cont'd)					REMY (cont'd)				
10459211	AL9960LH		AL9963SB		19010191	AL9960LH		AL9963SB	
10459278		AL9920LL		AL9921LL	19010192	AL9960LH		AL9963SB	
10459279		AL9920LL		AL9921LL	19010194	AL9960LH		AL9963SB	
10459284		AL9920LL		AL9921LL	19010196	AL9960LH		AL9963SB	
10459285		AL9920LL		AL9921LL	19010207	AL9960LH		AL9963SB	
10459288		AL9920LL		AL9921LL	19010209	AL9960LH		AL9963SB	
10459289		AL9920LL		AL9921LL	19010210	AL9960LH		AL9963SB	
10459302	AL9960LH		AL9963SB		19010212	AL9960LH		AL9963SB	
10459318	AL9961LH		AL9962SB		19010213	AL9960LH		AL9963SB	
10459320	AL9961LH		AL9962SB		19011022		AL9920LL		AL9921LL
10459321	AL9961LH		AL9962SB		19011023		AL9920LL		AL9921LL
10459340	AL9961LH		AL9962SB		19011150				AL9922LL
10459341	AL9961LH		AL9962SB		19011151				AL9922LL
10459342	AL9961LH		AL9962SB		19011152				AL9922LL
10459449		AL9920LL		AL9921LL	19011154				AL9922LL
10459450				AL9922LL	19011155				AL9922LL
10459453	AL9960LH		AL9963SB		19011156				AL9922LL
10459457	AL9960LH		AL9963SB		19011158				AL9922LL
10459472	AL9960LH		AL9963SB		19011159				AL9922LL
10459481	AL9961LH		AL9962SB		19011160				AL9922LL
10459482	AL9961LH		AL9962SB		19011161				AL9922LL
10459483	AL9961LH		AL9962SB		19011162				AL9922LL
10459602	AL9961LH		AL9962SB		19011163				AL9922LL
10459603	AL9961LH		AL9962SB		19011171				AL9922LL
10459606				AL9922LL	19011173				AL9922LL
10459608		AL9920LL		AL9921LL	19011174				AL9922LL
10459609				AL9922LL	19011176		AL9920LL		AL9921LL
10459611		AL9920LL		AL9921LL	19011177		AL9920LL		AL9921LL
10459612				AL9922LL	19011187		AL9920LL		AL9921LL
10459614		AL9920LL		AL9921LL	19011200				AL9922LL
19010003				AL9922LL	19011202		AL9920LL		AL9921LL
19010005				AL9922LL	19011211				AL9922LL
19010007				AL9922LL	19011212				AL9922LL
19010012				AL9922LL	19011215		AL9920LL		AL9921LL
19010018				AL9922LL	19011216		AL9920LL		AL9921LL
19010110	AL9960LH		AL9963SB		19011227				AL9922LL
19010112	AL9960LH		AL9963SB		19011228				AL9922LL
19010154	AL9960LH		AL9963SB		19011229				AL9922LL
19010156	AL9960LH		AL9963SB		19011231				AL9922LL
19010173	AL9960LH		AL9963SB		19011232				AL9922LL
19010174	AL9960LH		AL9963SB		19011233				AL9922LL
19010175	AL9960LH		AL9963SB		19011248				AL9922LL
19010176	AL9960LH		AL9963SB		19011252		AL9920LL		AL9921LL
19010179	AL9960LH		AL9963SB		19011253		AL9920LL		AL9921LL
19010181	AL9960LH		AL9963SB		19011258		AL9920LL		AL9921LL
19010186	AL9960LH		AL9963SB		19011260				AL9922LL
19010187	AL9960LH		AL9963SB		19011262		AL9920LL		AL9921LL
19010188	AL9960LH		AL9963SB		19011263				AL9922LL
19010189	AL9960LH		AL9963SB		19011264				AL9922LL
19010190	AL9960LH		AL9963SB		19011267		AL9920LL		AL9921LL

Cross Reference Replacement Guide



Long Haul® Alternators

Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME	Competitor Number	Bosch 160 amp Long Haul	Bosch 170 amp Long Haul EXTREME	Bosch 200 amp Long Haul	Bosch 200 amp Long Haul EXTREME
REMY (cont'd)					WILSON (cont'd)				
19011268		AL9920LL		AL9921LL	90-01-4329		AL9920LL		AL9921LL
19011272		AL9920LL		AL9921LL	90-01-4344		AL9920LL		AL9921LL
19011273		AL9920LL		AL9921LL	90-01-4432		AL9920LL		AL9921LL
19020300	AL9960LH		AL9963SB		90-01-4459		AL9920LL		AL9921LL
19020302	AL9960LH		AL9963SB		90-01-4473		AL9920LL		AL9921LL
19020303	AL9960LH		AL9963SB		90-01-4474		AL9920LL		AL9921LL
19020304	AL9960LH		AL9963SB		90-01-4475				AL9922LL
19020305	AL9960LH		AL9963SB		90-01-4478				AL9922LL
19020306	AL9960LH		AL9963SB		90-01-4492				AL9922LL
19020358	AL9960LH		AL9963SB		90-01-4493				AL9922LL
19020359	AL9960LH		AL9963SB		90-01-4495		AL9920LL		AL9921LL
19020364	AL9960LH		AL9963SB		90-01-4496				AL9922LL
19020365	AL9960LH		AL9963SB		90-01-4511				AL9922LL
19020377	AL9960LH		AL9963SB		90-01-4513		AL9920LL		AL9921LL
19020378	AL9961LH		AL9962SB		90-29-542				AL9922LL
19020381	AL9960LH		AL9963SB		90-29-5426				AL9922LL
19020384	AL9961LH		AL9962SB		90-29-5427				AL9922LL
19020385	AL9961LH		AL9962SB		90-29-5428				AL9922LL
19020387	AL9961LH		AL9962SB		90-29-5429				AL9922LL
19020388	AL9961LH		AL9962SB		90-29-5430				AL9922LL
19020389	AL9961LH		AL9962SB		90-29-5431				AL9922LL
19020801	AL9960LH		AL9963SB		90-29-5432				AL9922LL
19020803	AL9961LH		AL9962SB		90-29-5433				AL9922LL
19020804	AL9961LH		AL9962SB		90-29-5434				AL9922LL
19020806	AL9960LH		AL9963SB		90-29-5435				AL9922LL
19020810	AL9961LH		AL9962SB		90-29-5436				AL9922LL
19020811	AL9961LH		AL9962SB		90-29-5587		AL9920LL		AL9921LL
19020812	AL9961LH		AL9962SB		90-29-5592		AL9920LL		AL9921LL
19020824	AL9961LH		AL9962SB		WILSON NEW				
19020825	AL9961LH		AL9962SB		90-01-4260N				AL9922LL
19020900	AL9961LH		AL9962SB		90-01-4262N				AL9922LL
19020901	AL9960LH		AL9963SB		90-29-542N				AL9922LL
19020902	AL9961LH		AL9962SB		90-29-5430N				AL9922LL
19020903	AL9960LH		AL9963SB		90-29-5433N				AL9922LL
WILSON					90-29-5436N				AL9922LL
90-01-4058	AL9960LH		AL9963SB						
90-01-4072	AL9960LH		AL9963SB						
90-01-4074	AL9960LH		AL9963SB						
90-01-4093	AL9960LH		AL9963SB						
90-01-4105	AL9960LH		AL9963SB						
90-01-4109	AL9960LH		AL9963SB						
90-01-4113	AL9960LH		AL9963SB						
90-01-4118	AL9960LH		AL9963SB						
90-01-4119	AL9960LH		AL9963SB						
90-01-4260				AL9922LL					
90-01-4262				AL9922LL					
90-01-4267	AL9960LH		AL9963SB						
90-01-4269	AL9960LH		AL9963SB						
90-01-4297	AL9960LH		AL9963SB						
90-01-4328		AL9920LL		AL9921LL					

How to Use Bosch Easy-Look-Up Format

The Bosch Long Haul Starter Catalog "easy look-up" format can give you time and effort when looking for a specific application.

1. **Make** is boldly highlighted in a black band across the entire page for clear visibility.
2. **Models** are shown in bold type at the start of each section.
3. **Engine Application** specifies engine size/manufacturer.
4. **OE (Original Equipment) Type** – Original factory-installed unit type.
5. **OE (Original Equipment) Volts** – System rating.
6. **Pinion Teeth**
7. **Bosch Long Haul Starter Number**

 BOSCH Long Haul® Starters				
Medium & Heavy Duty Applications				
Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth
1 CATERPILLAR - Engines Industrial				
	Engines - Industrial 3304			SR9921LH
1985 - 97	All	42MT	12	12
	Engines - Industrial 3306			SR9921LH
1985 - 97	All	42MT	12	12
	Engines - Industrial 3406			SR9920LH
1985 - 95	All	42MT	12	11
	Engines - Industrial 3408			SR9920LH
1986 - 90	All	42MT	12	11
	Engines - Industrial 3412			SR9920LH
1986 - 90	All	42MT	12	11
CUMMINS - Ag & Industrial Starters				
	Engines - Industrial 855 Series			SR9920LH
1983 - 88	10.0L	42MT	12	11
	Engines - Industrial C Series			SR9921LH
1983 - 88	8.3L	42MT	12	12
	Engines - Industrial L Series			SR9920LH
1983 - 93	10.0L	42MT	12	11
1991 - 94	14.0L	42MT	12	11
94-On	14.0L	42MT	12	11
	Engines - Industrial V Series			SR9920LH
1983 - 85	9.1L	42MT	12	11
CUMMINS - Ag & Industrial Starters				
	Engines - Industrial 855 Series			SR9920LH
1983 - 85	10.0L	42MT	12	11
	Engines - Industrial C Series			SR9921LH
1983 - 88	8.3L	42MT	12	12
	Engines - Industrial L Series			SR9920LH
1983 - 93	10.0L	42MT	12	11
		42MT	12	11
		42MT	12	11

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
CATERPILLAR - Engines Industrial					
Engines - Industrial 3304					
1985-97	All	42MT	12	12	SR9921LH
Engines - Industrial 3306					
1985-97	All	42MT	12	12	SR9921LH
Engines - Industrial 3406					
1985-95	All	42MT	12	11	SR9920LH
Engines - Industrial 3408					
1986-90	All	42MT	12	11	SR9920LH
Engines - Industrial 3412					
1986-90	All	42MT	12	11	SR9920LH
CUMMINS - Ag & Industrial Starters					
Engines - Industrial 855 Series					
1983-85	10.0L	42MT	12	11	SR9920LH
Engines - Industrial C Series					
1983-88	8.3L	42MT	12	12	SR9921LH
Engines - Industrial L Series					
1983-93	10.0L	42MT	12	11	SR9920LH
1991-94	14.0L	42MT	12	11	SR9920LH
94-On	14.0L	42MT	12	11	SR9920LH
Engines - Industrial V Series					
1983-85	9.1L	42MT	12	11	SR9920LH
CUMMINS - Ag & Industrial Starters					
Engines - Industrial 855 Series					
1983-85	10.0L	42MT	12	11	SR9920LH
Engines - Industrial C Series					
1983-88	8.3L	42MT	12	12	SR9921LH
Engines - Industrial L Series					
1983-93	10.0L	42MT	12	11	SR9920LH
1991-94	14.0L	42MT	12	11	SR9920LH
94-On	14.0L	42MT	12	11	SR9920LH
Engines - Industrial V Series					
1983-85	9.1L	42 MT	12	11	SR9920LH
Perkins - Ag & Industrial Starters					
Engines - Industrial Various Models					
1986	504	42MT	12	12	SR9921LH
1986	TV8.540I	42MT	12	12	SR9921LH
1986	V8.540I	42MT	12	12	SR9921LH
CHEVROLET / GMC					
Med & H.D.					
1987-88	Caterpillar 3406	42MT	12	12	SR9921LH
1986-89	Cummins L-10	42MT	12	11	SR9920LH
1986-89	Cummins NTC-300	42MT	12	11	SR9920LH
D9K Titan					
1986-89	Cummins NTC Engines	42MT	12	11	SR9920LH
1986-88	DD 6V-92 (T TA TTA)	42MT	12	11	SR9920LH
1986-88	DD 8V-71 (N NE T)	42MT	12	11	SR9920LH
D9L Titan					
1986-89	Cummins NTC Engines	42MT	12	11	SR9920LH
1986-88	DD 6V-92 (T TA TTA)	42MT	12	11	SR9920LH
1986-88	DD 8V-71 (N NE T)	42MT	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
CHEVROLET / GMC (cont'd)					
Detroit Diesel Engines					
1987-89	DD 60 Series	42MT	12	11	SR9920LH
1985-88	DD 6V-71 (N NE T)	42MT	12	11	SR9920LH
1986-88	DD 6V-92 (T TA TTA)	42MT	12	11	SR9920LH
1986-88	DD 8V-71 (N NE T)	42MT	12	11	SR9920LH
J8C / J9C Bruin					
1986-89	Cummins L-10	42MT	12	11	SR9920LH
1986-89	Cummins NTC Engines	42MT	12	11	SR9920LH
1985-88	DD 6V-71 (N NE T)	42MT	12	11	SR9920LH
1986-88	DD 6V-92 (T TA TTA)	42MT	12	11	SR9920LH
1986	DD 8V-71 (N NE T)	42MT	12	11	SR9920LH
N9E / N9F Bison					
1987	Caterpillar 3406	42MT	12	12	SR9921LH
1986-89	Cummins L-10	42MT	12	11	SR9920LH
1986-89	Cummins NTC Engines	42MT	12	11	SR9920LH
1985-88	DD 6V-71 (N NE T)	42MT	12	11	SR9920LH
1986-88	DD 6V-92 (T TA TTA)	42MT	12	11	SR9920LH
1986-88	DD 8V-71 (N NE T)	42MT	12	11	SR9920LH
Ford Med and HVD					
B600 / B700 / B800 School Bus					
1985-89	Caterpillar 3208	42MT	12	12	SR9921LH
1985-90	Caterpillar 3208	Denso PLGR	12	12	SR9921LH
F600 / F700 / F800 / F900 Trucks					
1985-89	Caterpillar 3208	42MT	12	12	SR9921LH
1985-89	Caterpillar 3208	Denso PLGR	12	12	SR9921LH
L6000 / 7000 / 8000 / 9000 Trucks					
1990-98	Caterpillar 3176	42MT	12	11	SR9920LH
1990-98	Caterpillar 3176	39MT w/OCP	12	11	SR9920LH
1990-98	Caterpillar 3176	Denso OSGR	12	11	SR9920LH
1986-99	Caterpillar 3208	42MT	12	12	SR9921LH
1983-99	Caterpillar 3208	Denso PLGR	12	12	SR9921LH
1993-99	Caterpillar 3406	39MT w/OCP	12	11	SR9920LH
1986-99	Caterpillar 3406	42MT	12	11	SR9920LH
1993-99	Caterpillar 3406	Denso OSGR	12	11	SR9920LH
1997-99	Caterpillar C-10, C12	39MT w/OCP	12	11	SR9920LH
1997-99	Caterpillar C-10, C12	42MT w/OCP	12	11	SR9920LH
1997-99	Caterpillar C-10, C12	Denso OSGR	12	11	SR9920LH
1985-92	Cummins 855 (NHC NTC)	39MT	12	11	SR9920LH
1985-92	Cummins 855 (NHC NTC)	42MT	12	11	SR9920LH
1985-92	Cummins 855 (NHC NTC)	Denso OSGR	12	11	SR9920LH
1985-92	Cummins 855 (NHC NTC)	Leece MS2 Series	12	11	SR9920LH
1984-89	Cummins L-10	42MT	12	11	SR9920LH
1990-99	Cummins N14	42MT w/OCP	12	11	SR9920LH
1990-99	Cummins N14	Denso PLGR	12	11	SR9920LH
1990-99	Cummins N14	Leece MS2 Series	12	11	SR9920LH
1990-99	DD 60 Series	42MT w/OCP	12	11	SR9920LH
1990-99	DD 60 Series	Denso PLGR	12	11	SR9920LH
1990-99	DD 60 Series	Leece MS2 Series	12	11	SR9920LH
1982-91	DD 6V-71	42MT	12	11	SR9920LH
1986-91	DD 6V-92	42MT w/OCP	12	11	SR9920LH
1986-91	DD 6V-92	Denso PLGR	12	11	SR9920LH
1986-90	DD 8V-71	42MT w/OCP	12	11	SR9920LH
1986-90	DD 8V-71	Denso PLGR	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
FREIGHTLINER - Starters					
Argosy					
2003	Caterpillar C-16	42MT	12	11	SR9920LH
2003	Caterpillar C-16	39MT	12	11	SR9920LH
2003	Caterpillar C-16	Denso PLGR	12	11	SR9920LH
2000-2002	Caterpillar 3406, C-12	39MT	12	11	SR9920LH
2000-2002	Caterpillar 3406, C-12	Denso PLGR	12	11	SR9920LH
2000-2002	Caterpillar C-12	42MT	12	11	SR9920LH
2000-2002	Caterpillar C-12	39MT w/OCP	12	11	SR9920LH
2000-2002	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
2000-2003	Caterpillar C-15	42MT	12	11	SR9920LH
2000-2003	Caterpillar C-15	39MT	12	11	SR9920LH
2000-2003	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
2000-2003	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2000-2003	Cummins ISX	42MT	12	11	SR9920LH
2000-2003	Cummins ISX	39MT w/OCP	12	11	SR9920LH
2000-2003	Cummins ISX	Denso OSGR	12	11	SR9920LH
2000-2003	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
2000-2003	DD 60 Series	42MT	12	11	SR9920LH
2000-2003	DD 60 Series	39MT w/OCP	12	11	SR9920LH
2000-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
2000-2003	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
2003	Mercedes MBE4000	Mitsubishi Starter	12	12 (Metric)	SR9922LH
2003	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
Cascadia					
2011-08	Mercedes MBE4000	Mitsubishi PLGR	12	12	SR9921LH
C112 / C120 Century Class					
1996-2000	Caterpillar 3176, 3406	Denso OSGR	12	11	SR9920LH
1996-2000	Caterpillar 3176, 3406, C-10	42MT	12	11	SR9920LH
1996-2000	Caterpillar 3176, 3406, C-10	39MT	12	11	SR9920LH
1996-2000	Caterpillar 3176, 3406, C-10	Denso PLGR	12	11	SR9920LH
1996-2000	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1996-2004	Caterpillar C-12	42MT	12	11	SR9920LH
1996-2004	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1996-2004	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1996-2004	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
1999-2007	Caterpillar C-15	42MT	12	11	SR9920LH
1999-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1999-2007	Caterpillar C-15	Denso PLGR	12	11	SR9920LH
1999-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1999-2007	Cummins ISM	42MT	12	11	SR9920LH
1999-2004	Cummins ISM	39MT w/OCP	12	11	SR9920LH
1999-2004	Cummins ISM	Denso PLGR	12	11	SR9920LH
1999-2004	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1999-2003	Cummins ISX	42MT	12	11	SR9920LH
1999-2003	Cummins ISX	39MT w/OCP	12	11	SR9920LH
1999-2003	Cummins ISX	Denso PLGR	12	11	SR9920LH
1999-2003	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
1996-2000	Cummins L-10, M11	42MT	12	11	SR9920LH
1996-2000	Cummins L-10, M11	39MT w/OCP	12	11	SR9920LH
1996-2000	Cummins L-10, M11	Denso PLGR	12	11	SR9920LH
1996-2003	Cummins N14	42MT	12	11	SR9920LH
1996-2003	Cummins N14	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1996-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1996-2003	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1996-2007	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
1996-2007	DD 60 Series	42MT	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
FREIGHTLINER - Starters (cont'd)					
C112 / C120 Century Class (cont'd)					
1996-2007	DD 60 Series	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1996-2007	DD 60 Series	Denso OSGR	12	11	SR9920LH
1999-2011	Mercedes MBE4000	Mitsubishi Starter	12	12 (Metric)	SR9922LH
2001-2007	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
Classic					
1999-2000	Caterpillar 3176	Denso OSGR	12	11	SR9920LH
1999-2000	Caterpillar 3176, C-10	42MT	12	11	SR9920LH
1999-2000	Caterpillar 3176, C-10	39MT w/OCP	12	11	SR9920LH
1999-2000	Caterpillar 3176, C-10	Denso PLGR	12	11	SR9920LH
1993-2000	Caterpillar 3406	42MT	12	11	SR9920LH
1993-2000	Caterpillar 3406	39MT w/OCP	12	11	SR9920LH
1993-2000	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1999-2000	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1996-2004	Caterpillar C-12	42MT	12	11	SR9920LH
1996-2004	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1996-2004	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1996-2004	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
1999-2007	Caterpillar C-15	42MT	12	11	SR9920LH
1999-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1999-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1999-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1999-2004	Cummins ISM	42MT	12	11	SR9920LH
1999-2004	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1999-2004	Cummins ISM	Denso OSGR	12	11	SR9920LH
1999-2004	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1999-2003	Cummins ISX	42MT	12	11	SR9920LH
1999-2003	Cummins ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1999-2003	Cummins ISX	Denso OSGR	12	11	SR9920LH
1999-2003	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
1999-2000	Cummins L-10	42MT	12	11	SR9920LH
1999-2000	Cummins L-10	39MT w/OCP	12	11	SR9920LH
1999-2000	Cummins L-10	Denso OSGR	12	11	SR9920LH
1996-2000	Cummins M11	42MT	12	11	SR9920LH
1996-2000	Cummins M11	39MT w/OCP	12	11	SR9920LH
1996-2000	Cummins M11	Denso OSGR	12	11	SR9920LH
1993-2003	Cummins N14	42MT	12	11	SR9920LH
1994-2003	Cummins N14	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1994-2003	Cummins N14	Denso PLGR	12	11	SR9920LH
1994-2003	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1993-2007	DD 60 Series	42MT	12	11	SR9920LH
1994-2007	DD 60 Series	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1994-2007	DD 60 Series	Denso OSGR	12	11	SR9920LH
1994-2007	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
1999-2011	Mercedes MBE4000	Mitsubishi PLGR	12	12 (Metric)	SR9922LH
2001-2007	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
Columbia					
1999-2004	Caterpillar C-12	42MT	12	11	SR9920LH
1999-2004	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1999-2004	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1999-2004	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
1999-2007	Caterpillar C-15	42MT	12	11	SR9920LH
1999-2007	Caterpillar C-15	39MT w/OCP	12	11	SR9920LH
1999-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2001-2003	Cummins ISX, N14	42MT	12	11	SR9920LH
2001-2003	Cummins ISX, N14	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
FREIGHTLINER - Starters (cont'd)					
Columbia (cont'd)					
2001-2003	Cummins ISX, N14	Mitsubishi PLGR	12	11	SR9920LH
2001-2004	Cummins ISM	42MT	12	11	SR9920LH
2001-2004	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2001-2004	Cummins ISM	Denso OSGR	12	11	SR9920LH
2001-2004	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
2001-2007	DD 60 Series	42MT	12	11	SR9920LH
2001-2007	DD 60 Series	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2001-2007	DD 60 Series	Denso OSGR	12	11	SR9920LH
2001-2007	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
1999-2011	Mercedes MBE4000	Mitsubishi Starter	12	12 (Metric)	SR9922LH
2001-2007	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
Coronado					
2003-2007	Caterpillar C-15	42MT	12	11	SR9920LH
2003-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2003-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
2003-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2003-2007	DD 60 Series	42MT	12	11	SR9920LH
2003-2007	DD 60 Series	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2003-2007	DD 60 Series	Denso OSGR	12	11	SR9920LH
2003-2007	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
FC 80					
1998-2001	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1998-2001	Cummins 8.3L ISC	39MT w/IMS	12	12	SR9921LH
2000-2005	Mercedes MBE4000	Mitsubishi PLGR	12	12 (Metric)	SR9922LH
FL 106					
1999-2003	DD 50 Series	42MT	12	11	SR9920LH
1999-2003	DD 50 Series	39MT w/OCP	12	11	SR9920LH
1999-2003	DD 50 Series	Denso PLGR	12	11	SR9920LH
2004-2007	Mercedes MBE4000	Mitsubishi PLGR	12	12 (Metric)	SR9922LH
FL 50					
1994-2001	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1994-2001	Cummins 8.3L ISC	39MT w/OCP; w/IMS	12	12	SR9921LH
200-2004	Mercedes MBE4000	Mitsubishi PLGR	12	12	SR9921LH
FL 60 / FL 80					
1994-2004	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1994-2004	Cummins 8.3L ISC	39MT w/OCP; w/IMS	12	12	SR9921LH
2000-2004	Mercedes MBE4000	Mitsubishi Starter	12	12	SR9921LH
FL 70					
1994-2005	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1994-2005	Cummins 8.3L ISC	39MT w/OCP; w/IMS	12	12	SR9921LH
FL 90					
1992-1993	DD 50 Series	42MT	12	11	SR9920LH
FL FLC 112 / 120					
1993-1999	Caterpillar 3176	42MT	12	11	SR9920LH
1985	Caterpillar 3406	42MT	12	11	SR9920LH
1994-2001	Caterpillar C-10	42MT	12	11	SR9920LH
1994-2001	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1994-2001	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1994-2001	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1994-2003	Caterpillar C-12	42MT	12	11	SR9920LH
1994-2003	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1994-2003	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1994-2003	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
FREIGHTLINER - Starters (cont'd)					
FL FLC 112 / 120 (cont'd)					
1982-1987	Cummins 855 / BC III	42MT	12	11	SR9920LH
1986-1993	Cummins C 8.3L	42MT	12	12	SR9921LH
2000-2003	Cummins ISM	42MT	12	11	SR9920LH
2000-2003	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2003	Cummins ISM	Denso PLGR	12	11	SR9920LH
2000-2003	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1986-1999	Cummins L-10	42MT	12	11	SR9920LH
1994-1999	Cummins L-10	39MT w/OCP	12	11	SR9920LH
1994-1999	Cummins L-10	Denso PLGR	12	11	SR9920LH
1994-2001	Cummins M11, N14	42MT w/OCP	12	11	SR9920LH
1994-2001	Cummins M11, N14	39MT	12	11	SR9920LH
1994-2001	Cummins M11, N14	Denso PLGR	12	11	SR9920LH
1994-2001	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1985-1987	Cummins V-903	42MT	12	11	SR9920LH
1993-2003	DD 60 Series	42MT	12	11	SR9920LH
1994-2003	DD 60 Series	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1994-2003	DD 60 Series	Denso OSGR	12	11	SR9920LH
1994-2003	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
1985	DD 6V-92	42MT	12	11	SR9920LH
2002-2003	Mercedes MBE4000	Mitsubishi PLGR	12	12 (Metric)	SR9922LH
2001-2003	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
FLD 112 / 120					
1993-2000	Caterpillar 3176	42MT w/OCP	12	11	SR9920LH
1993-2000	Caterpillar 3176, 3406	39MT w/OCP	12	11	SR9920LH
1993-2000	Caterpillar 3176, 3406	Denso OSGR	12	11	SR9920LH
1993-2000	Caterpillar 3406	42MT	12	11	SR9920LH
1993-2000	Caterpillar 3406	42MT w/OCP	12	11	SR9920LH
1994-2000	Caterpillar C-10	42MT	12	11	SR9920LH
1994-2000	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1994-2000	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1994-2000	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1993-2003	Caterpillar C-12	42MT	12	11	SR9920LH
1993-2003	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1993-2003	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1993-2003	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
2001-2005	Caterpillar C-13	42MT	12	11	SR9920LH
2001-2005	Caterpillar C-13	39MT w/OCP	12	11	SR9920LH
2001-2005	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2001-2005	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
2001-2007	Caterpillar C-15	42MT	12	11	SR9920LH
2001-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2001-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
2001-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1990-1992	Cummins 8.3L ISC	42MT	12	12	SR9921LH
2001-2003	Cummins ISM	42MT	12	11	SR9920LH
2001-2003	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2001-2003	Cummins ISM	Denso PLGR	12	11	SR9920LH
2001-2003	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1993-2000	Cummins L-10, M11	42MT	12	11	SR9920LH
1993-2000	Cummins L-10, M11	39MT w/OCP	12	11	SR9920LH
1993-2000	Cummins L-10, M11	Denso PLGR	12	11	SR9920LH
1993-2007	Cummins N14	42MT	12	11	SR9920LH
1993-2007	Cummins N14	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1993-2007	Cummins N14	Denso PLGR	12	11	SR9920LH
1993-2007	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
FREIGHTLINER - Starters (cont'd)					
FLD 112 / 120 (cont'd)					
1993-2007	DD 60 Series	42MT	12	11	SR9920LH
1993-2007	DD 60 Series	39MT HD Version; w/IMS; w/OCF	12	11	SR9920LH
1993-2007	DD 60 Series	Denso OSGR	12	11	SR9920LH
1993-2007	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
2001-2011	Mercedes MBE4000	Mitsubishi Starter	12	12 (Metric)	SR9922LH
2001-2003	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
FLT Series					
1985	Caterpillar 3406	42MT	12	11	SR9920LH
1983-1987	Cummins 855 / BC III	42MT	12	11	SR9920LH
1985-1987	Cummins V-903	42MT	12	11	SR9920LH
1985-1987	DD 6V-92	42MT	12	11	SR9920LH
M2 Business Class					
2003-2007	Caterpillar C-13	42MT	12	11	SR9920LH
2003-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCF	12	11	SR9920LH
2003-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2003-2007	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
2003-2007	Cummins 8.3L ISC, ISM	42MT	12	12	SR9921LH
2003-2007	Cummins 8.3L ISC, ISM	39MT w/IMS	12	12	SR9921LH
2003-2007	Cummins ISM	Denso OSGR	12	11	SR9920LH
2003-2007	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
2003-2007	Mercedes MBE4000	Mitsubishi Starter	12	12 (Metric)	SR9922LH
2001-2003	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
International - Starters					
1754					
1985-1987	IHC 9.0L	42MT	12	12	SR9921LH
1988-1989	IHC DT-360, IHC DT-466	42MT	12	11	SR9920LH
1954					
1984-1987	IHC DT-466	42MT	12	12	SR9921LH
1988-1989	IHC DT-466	42MT	12	11	SR9920LH
2200-2275 Series					
1984-1987	Cummins L-10, NTC-855	42 MT	12	11	SR9920LH
1984-1987	Cummins NTC-855	42MT	12	11	SR9920LH
1984-1987	DD 6V-92	42 MT	12	11	SR9920LH
1984-1987	IHC DT-466	42MT	12	12	SR9921LH
2300-2375 Series					
1988-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1988-1992	Cummins L-10	39MT w/OCF	12	11	SR9920LH
1984-1996	Cummins L-10	42MT w/OCF	12	11	SR9920LH
1993-2000	Cummins N14	39MT	12	11	SR9920LH
1993-2000	Cummins N14	Denso OSGR	12	11	SR9920LH
1993-2000	Cummins N14	42MT	12	11	SR9920LH
1993-1996	IHC DT-530	42MT	12	11	SR9920LH
1993-1996	IHC DT-530	Denso PLGR	12	11	SR9920LH
2554/2564 Series					
1984-1987	IHC DT-466	42MT	12	12	SR9921LH
1988-1992	IHC DT-466	42MT	12	11	SR9920LH
1988-1992	IHC DT-466	Denso PLGR	12	11	SR9920LH
2574/2575 Series					
1997-2000	Caterpillar C-12	42MT	12	11	SR9920LH
1997-2000	Caterpillar C-12	39MT w/OCF	12	11	SR9920LH
1997-2000	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1997-2000	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
1988-1992	Cummins 855	42MT	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
International - Starters (cont'd)					
2574/2575 Series (cont'd)					
1997-2000	Cummins ISM	42MT	12	11	SR9920LH
1997-2000	Cummins ISM	39MT w/OCF	12	11	SR9920LH
1997-2000	Cummins ISM	Denso OSGR	12	11	SR9920LH
1997-2000	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1988-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1993-2000	Cummins L-10	42MT	12	11	SR9920LH
1984-1992	Cummins L-10, NTC-855	42MT	12	11	SR9920LH
1984-1987	Cummins NTC-855	42 MT	12	11	SR9920LH
1993-2000	Cummins N14	42 MT	12	11	SR9920LH
1993-2000	Cummins N14	39MT w/OCF	12	11	SR9920LH
1993-2000	Cummins N14	Denso OSGR	12	11	SR9920LH
1993-2000	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
2654 Series					
1988-1992	IHC DT-466	42MT	12	11	SR9920LH
2674/2675 Series					
1993-1999	Caterpillar 3176	42MT	12	11	SR9920LH
1993-1999	Caterpillar 3176	Denso PLGR	12	11	SR9920LH
1997-2000	Caterpillar C-10	42MT	12	11	SR9920LH
1997-2000	Caterpillar C-10	39MT w/OCF	12	11	SR9920LH
1997-2000	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2000	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1988-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1988-2000	Cummins L-10	42MT w/OCF	12	11	SR9920LH
1984-1987	Cummins L-10, NTC-855	42 MT	12	11	SR9920LH
1997-2000	Cummins M11	42MT	12	11	SR9920LH
1993-2000	Cummins N14	42MT	12	11	SR9920LH
1993-2000	Cummins N14	39MT w/OCF	12	11	SR9920LH
1993-2000	Cummins N14	Denso OSGR	12	11	SR9920LH
1993-2000	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1982-1992	Cummins NTC-855	42MT	12	11	SR9920LH
1985-1989	DD 6V-92	42 MT	12	11	SR9920LH
1988-1992	IHC DT-466	42MT	12	11	SR9920LH
1993-1994	IHC DT-466	42MT w/OCF	12	12	SR9921LH
3000-3900 Series Bus					
1988-1992	IHC 7.3L (T-444E), IHC DT-466	42MT	12	11	SR9920LH
1988-1992	IHC 7.3L (T-444E), IHC DT-466	Denso PLGR	12	11	SR9920LH
1985-1993	IHC DT-360	42MT	12	11	SR9920LH
1985-1993	IHC DT-360	Denso PLGR	12	11	SR9920LH
1993-2007	IHC DT-466	42MT	12	12	SR9921LH
4000-4900 Series Medium-Duty					
1997-1999	Caterpillar 3406	42MT	12	11	SR9920LH
1997-1999	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1997-1999	Cummins N14	42MT	12	11	SR9920LH
1997-1999	Cummins N14	Denso PLGR	12	11	SR9920LH
1988-1992	IHC 7.3L (T-444E)	42MT	12	11	SR9920LH
1988-1992	IHC 7.3L (T-444E)	Denso PLGR	12	11	SR9920LH
1990-1993	IHC DT-360 / 408	42MT	12	11	SR9920LH
1988-2007	IHC DT-466	42MT	12	11	SR9920LH
1988-1992	IHC DT-466	Denso PLGR	12	11	SR9920LH
1997-2003	IHC DT-530	42MT	12	11	SR9920LH
1997-2003	IHC DT-530	Denso PLGR	12	11	SR9920LH
5000-5900 Series Medium-Duty					
1988-1999	Caterpillar 3406	42MT	12	11	SR9920LH
1993-1999	Caterpillar 3406	Denso PLGR	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
International - Starters (cont'd)					
5000-5900 Series Medium-Duty (cont'd)					
1993-2003	Caterpillar C-10, C-12	42MT	12	11	SR9920LH
1993-2003	Caterpillar C-10, C-12	39MT w/OCP	12	11	SR9920LH
1993-2003	Caterpillar C-10, C-12	Denso PLGR	12	11	SR9920LH
1993-2000	Caterpillar C-10, C-12	Mitsubishi PLGR	12	11	SR9920LH
2003-2007	Caterpillar C-13, C-15	Denso OSGR	12	11	SR9920LH
2003-2007	Caterpillar C-13	Leece MS2 Series	12	11	SR9920LH
2000-2007	Caterpillar C-15	42MT	12	11	SR9920LH
2000-2007	Caterpillar C-15	39MT w/OCP	12	11	SR9920LH
2000-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2000-2007	Cummins ISM, ISX	42MT	12	11	SR9920LH
2000-2007	Cummins ISM, ISX	39MT w/OCP	12	11	SR9920LH
2000-2007	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
2000-2007	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
2000-2007	Cummins ISX	Leece MS2 Series w/OCP	12	11	SR9920LH
1988-1992	Cummins L-10	42MT	12	11	SR9920LH
1988-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1993-1999	Cummins L-10, M11	42MT	12	11	SR9920LH
1993-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1997-1999	Cummins N14	42MT	12	11	SR9920LH
1997-1999	Cummins N14	Denso PLGR	12	11	SR9920LH
1990-1992	Cummins NTC-855	42MT	12	11	SR9920LH
1997-2003	IHC DT-530	42MT	12	11	SR9920LH
1997-2003	IHC DT-530	Denso PLGR	12	11	SR9920LH
7100-7700 Severe Service					
2003-2004	Caterpillar C-10, C-12	42MT	12	11	SR9920LH
2003-2004	Caterpillar C-10, C-12	39MT w/OCP	12	11	SR9920LH
2003-2004	Caterpillar C-10, C-12	Denso PLGR	12	11	SR9920LH
2003-2004	Caterpillar C-10, C-12	Mitsubishi PLGR	12	11	SR9920LH
2005-2007	Caterpillar C-11, C-13	Leece MS2 Series	12	11	SR9920LH
2005-2007	Caterpillar C-11, C-13, C-15	Denso OSGR	12	11	SR9920LH
2005-2007	Caterpillar C-15	42MT	12	11	SR9920LH
2005-2007	Caterpillar C-15	39MT w/OCP	12	11	SR9920LH
2005-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2003-2007	Cummins ISM, ISX	42MT	12	11	SR9920LH
2003-2007	Cummins ISM, ISX	39MT w/OCP	12	11	SR9920LH
2003-2007	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
2003-2007	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
2003-2007	Cummins ISX	Leece MS2 Series w/OCP	12	11	SR9920LH
1990-1992	IHC DT-466	42MT	12	11	SR9920LH
1990-1992	IHC DT-466	Denso PLGR	12	11	SR9920LH
2003-2007	IHC DT-466	42MT w/OCP	12	12	SR9921LH
2003-2007	IHC DT-530 / DT-570	42MT	12	12	SR9921LH
2003-2007	IHC DT-530 / DT-570	Denso PLGR	12	11	SR9920LH
2003-2007	IHC DT-530 / DT-570	Leece MS2 Series w/OCP	12	12	SR9921LH
8100-8600 Heavy-Duty					
1990-1999	Caterpillar 3176	42MT	12	11	SR9920LH
1990-1999	Caterpillar 3176	39MT w/OCP	12	11	SR9920LH
1990-1999	Caterpillar 3176	Denso PLGR	12	11	SR9920LH
1988-1999	Caterpillar 3406	42MT	12	11	SR9920LH
1993-1999	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	42MT	12	11	SR9920LH
1997-2003	Caterpillar C-10	39MT w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
2003-2005	Caterpillar C-12	42MT	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
International - Starters (cont'd)					
8100-8600 Heavy-Duty (cont'd)					
2003-2005	Caterpillar C-12	39MT w/OCF	12	11	SR9920LH
2003-2005	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
2003-2005	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
2005-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2005-2007	Caterpillar C-13	Leece MS2 Series	12	11	SR9920LH
1998-2007	Cummins ISM	42MT	12	11	SR9920LH
1998-2007	Cummins ISM	39MT w/OCF	12	11	SR9920LH
1998-2007	Cummins ISM	Denso OSGR	12	11	SR9920LH
1998-2007	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1988-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1988-1996	Cummins L-10	42MT	12	11	SR9920LH
1994-2000	Cummins M11	42MT	12	11	SR9920LH
1994-2000	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-2000	Cummins N14	42MT	12	11	SR9920LH
1991-2000	Cummins N14	39MT w/OCF	12	11	SR9920LH
1991-2000	Cummins N14	Denso PLGR	12	11	SR9920LH
1988-1992	Cummins NTC-855	42MT	12	11	SR9920LH
1992-1998	DD 50 / 60 Series	42MT	12	11	SR9920LH
1992-1998	DD 50 / 60 Series	Denso OSGR	12	11	SR9920LH
1994-2006	DD60	Denso OSGR	12	11	SR9920LH
1990-1992	IHC DT-466	42MT	12	11	SR9920LH
1993-2007	IHC DT-466	42MT	12	12	SR9921LH
1990-1992	IHC DT-466	Denso PLGR	12	11	SR9920LH
1993-2003	IHC DT-530 / DT-570	42MT	12	11	SR9920LH
1993-2003	IHC DT-530 / DT-570	Denso PLGR	12	11	SR9920LH
2003-2007	IHC DT-530 / DT-570	42MT	12	12	SR9921LH
2003-2007	IHC DT-530 / DT-570	Leece MS2 Series w/OCF	12	12	SR9921LH
9100-9900 Heavy-Duty					
1990-1999	Caterpillar 3176	42MT	12	11	SR9920LH
1990-1999	Caterpillar 3176	39MT w/OCF	12	11	SR9920LH
1990-1999	Caterpillar 3176	Denso PLGR	12	11	SR9920LH
1988-2001	Caterpillar 3406	42MT	12	11	SR9920LH
1993-2001	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12	42MT	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12	39MT w/OCF	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12	Mitsubishi PLGR	12	11	SR9920LH
2005-2007	Caterpillar C-11, C-13	Denso OSGR	12	11	SR9920LH
2005-2007	Caterpillar C-11, C-13	Leece MS2 Series	12	11	SR9920LH
2000-2007	Caterpillar C-15	42MT	12	11	SR9920LH
2000-2007	Caterpillar C-15	39MT w/OCF	12	11	SR9920LH
2000-2007	Caterpillar C-15	Denso PLGR	12	11	SR9920LH
2000-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1999-2003	Caterpillar C-16	42MT	12	11	SR9920LH
1999-2003	Caterpillar C-16	39MT w/OCF	12	11	SR9920LH
1999-2003	Caterpillar C-16	Denso PLGR	12	11	SR9920LH
1997-2007	Cummins ISM, ISX	42MT	12	11	SR9920LH
1997-2007	Cummins ISM, ISX	39MT w/OCF	12	11	SR9920LH
1997-2007	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
1997-2007	Cummins ISX	Leece MS2 Series w/OCF	12	11	SR9920LH
1988-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1993-1996	Cummins L-10	42MT	12	11	SR9920LH
1988-1992	Cummins L-10, NTC-855	42MT	12	11	SR9920LH
1993-2000	Cummins M11	42MT	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
International - Starters (cont'd)					
9100-9900 Heavy-Duty (cont'd)					
1993-2000	Cummins M11	Denso OSGR	12	11	SR9920LH
1986-2003	Cummins N14	42MT	12	11	SR9920LH
1996-2003	Cummins N14	39MT w/OCP	12	11	SR9920LH
1996-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1986-1987	Cummins N14, NTC-855	42MT	12	11	SR9920LH
1997-2003	Cummins Signature	42MT	12	11	SR9920LH
1997-2003	Cummins Signature	39MT w/OCP	12	11	SR9920LH
1997-2003	Cummins Signature	Denso PLGR	12	11	SR9920LH
1992-2003	DD 60 Series	42MT	12	11	SR9920LH
1992-2003	DD 60 Series	Denso OSGR	12	11	SR9920LH
Cargostar					
1984	IHC 9.0L	42MT	12	12	SR9921LH
1984-1987	IHC DT-466	42MT	12	12	SR9921LH
Lonestar					
2010-2011	MaxxForce 9, 10, 11, 13	Mitsubishi PLGR	12	12	SR9921LH
Paystar					
1984-1989	Cummins Engines	42MT	12	11	SR9920LH
1984-1989	DD 6V-71, 6V-92	42MT	12	11	SR9920LH
1984-1985	DD 8V-71	42MT	12	11	SR9920LH
1984-1989	IHC DT-466	42MT	12	12	SR9921LH
1984	IHC V-800	42MT	12	12	SR9921LH
Pro Star					
2010-2011	MaxxForce 9, 10, 11, 13	Mitsubishi PLGR	12	12	SR9921LH
S Series					
1984	Caterpillar 3406	42MT	12	11	SR9920LH
1985-1987	Cummins L-10	42MT	12	11	SR9920LH
1984-1987	Cummins NTC-855	42MT	12	11	SR9920LH
1984-1987	DD 6V-71, 6V-92	42MT	12	11	SR9920LH
1984-1987	DD 6V-92	42MT	12	11	SR9920LH
1984	DD 8V-71	42MT	12	11	SR9920LH
1984-1987	IHC DT-466	42MT	12	12	SR9921LH
1984-1987	IHC 9.0L, DT-466	42MT	12	12	SR9921LH
Transtar					
1975-1987	Caterpillar 3406, 3408	42MT	12	11	SR9920LH
1984-1987	Cummins Engines	42MT	12	11	SR9920LH
1980-1987	DD 6V-92, 8V-71	42MT	12	11	SR9920LH
1984-1987	IHC V-800	42MT	12	12	SR9921LH
2010-2011	MaxxForce 9, 10, 11, 13	Mitsubishi PLGR	12	12	SR9921LH
WorkStar					
2010-2011	MaxxForce 9, 10, 11, 13	Mitsubishi PLGR	12	12	SR9921LH
Kenworth - Starters					
C500					
1991-2003	Caterpillar 3176, 3406	Denso PLGR	12	11	SR9920LH
1985	Caterpillar 3306	42MT	12	12	SR9921LH
1984-1985	Caterpillar 3406	42MT	12	11	SR9920LH
1996-2003	Caterpillar C-10, C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1996-2003	Caterpillar C-10, C-12	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-11	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-11	Denso OSGR	12	11	SR9920LH
2005-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2005-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Kenworth - Starters (cont'd)					
C500 (cont'd)					
1998-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
2000-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2002-2003	Caterpillar C-16	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2002-2003	Caterpillar C-16	Denso PLGR	12	11	SR9920LH
1998-2012	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
1998-2007	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1998-2007	Cummins ISM	Denso OSGR	12	11	SR9920LH
2000-2007	Cummins ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2007	Cummins ISX	Denso OSGR	12	11	SR9920LH
1991-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1993-1994	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1991-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
1984-1985	DD 6V-92	42MT	12	11	SR9920LH
K100					
1984-1985	Caterpillar 3406	42MT	12	11	SR9920LH
1991-1995	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1991-1992	Cummins L-10	Denso PLGR	12	11	SR9920LH
1984-1985	Cummins L-10, NTC-855	42MT	12	11	SR9920LH
1993-1995	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-1995	Cummins N14	Denso OSGR	12	11	SR9920LH
1984-1985	DD 6V-92	42MT	12	11	SR9920LH
K300					
1994-1997	Cummins 8.3L ISC	42MT	12	12	SR9921LH
L700					
1985	Caterpillar 3306	42MT	12	12	SR9921LH
1984-1985	Caterpillar 3406	42MT	12	11	SR9920LH
1984-1985	Cummins 855	42MT	12	11	SR9920LH
1984-1985	DD 6V-92	42MT	12	11	SR9920LH
T2000					
1997-2004	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12, C15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12, C15	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10, C-12, C15	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Cummins ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Cummins ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
1997-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1997-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1997-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
T300					
1996-2007	Cummins 8.3L ISC	42MT	12	12	SR9921LH
T400 / T450					
1991-1993	Cummins L-10	Denso PLGR	12	11	SR9920LH
1993-1996	Cummins M11	Denso OSGR	12	11	SR9920LH
T600 / T800					
1991-2004	Caterpillar 3406	Denso PLGR	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Kenworth - Starters (cont'd)					
T600 / T800 (cont'd)					
1997-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-11, C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-11, C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2005	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2002-2003	Caterpillar C-16	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2002-2003	Caterpillar C-16	Denso PLGR	12	11	SR9920LH
1998-2007	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1998-2012	Cummins 8.9L ISL	Mitsubishi PLGR	12	12	SR9921LH
1998-2007	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1998-2007	Cummins ISM	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
2000-2007	Cummins ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2007	Cummins ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
1991-1997	Cummins L-10	Denso PLGR	12	11	SR9920LH
1993-2003	Cummins M11	Denso OSGR	12	11	SR9920LH
1990-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1988-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
W900					
1985	Caterpillar 3306	42MT	12	12	SR9921LH
1984-1985	Caterpillar 3406	42MT	12	11	SR9920LH
1991-2005	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2004	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2004	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2000-2003	Caterpillar C-16	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2003	Caterpillar C-16	Denso PLGR	12	11	SR9920LH
2002-2003	Cummins 8.9L ISL	42MT	12	12	SR9921LH
2001-2004	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2001-2004	Cummins ISM	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1999-2007	Cummins ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1999-2007	Cummins ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
1993-1997	Cummins M11	Denso OSGR	12	11	SR9920LH
1990-2004	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1984-1985	Cummins NTC-855	42MT	12	11	SR9920LH
1990-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
1984-1985	DD 6V-92	42MT	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Mack - Starters					
CH Series					
1988-2007	Mack Engines	42MT w/OCP	12	11	SR9920LH
1988-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2000-2007	Mack Engines	39MT	12	11	SR9920LH
2004-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
CL Series					
2001-2007	Cummins ISX	42MT	12	11	SR9920LH
2005-2012	Cummins ISX	Mitsubishi PLGR	12	12	SR9921LH
1990-2007	Mack Engines	42MT	12	11	SR9920LH
1990-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2000-2007	Mack Engines	39MT w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
CM Series					
1986-1989	Mack E5 / EC5	42MT	12	11	SR9920LH
CT / CTP Series					
2006-2007	Mack Engines	42MT	12	11	SR9920LH
2006-2007	Mack Engines	39MT w/IMS; w/OCP	12	11	SR9920LH
2006-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2006-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
CV Series					
2001-2007	Mack Engines	39MT	12	11	SR9920LH
2001-2007	Mack Engines	42MT	12	11	SR9920LH
2001-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2004-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
CX Series (Vision)					
2000-2005	Mack Engines	39MT	12	11	SR9920LH
2000-2005	Mack Engines	42MT	12	11	SR9920LH
2000-2005	Mack Engines	Denso OSGR	12	11	SR9920LH
2004-2005	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
DM / DMM Series					
1984-2007	Mack Engines	42MT	12	11	SR9920LH
1984-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2000-2007	Mack Engines	39MT w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
F / FL / FS Series					
1984-1988	Cummins NTA / NTC, Super 250, V-903	42 MT	12	11	SR9920LH
1984-1988	DD 8V-71	42 MT	12	11	SR9920LH
1984-1988	Mack Engines	42MT	12	11	SR9920LH
1984-1988	Mack Engines	Denso OSGR	12	11	SR9920LH
FDM Series					
1988-1999	Mack Engines	42MT	12	11	SR9920LH
1988-1999	Mack Engines	Denso OSGR	12	11	SR9920LH
Granite Series					
2002-2007	Mack Engines	39MT	12	11	SR9920LH
2002-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2004-2007	Mack Engines	42MT	12	11	SR9920LH
2004-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
MC / RM Series					
1984-1994	Mack Engines	42MT	12	11	SR9920LH
1984-1994	Mack Engines	Denso OSGR	12	11	SR9920LH
MH Series					
1984-1989	Cummins L-10, N / NT	42 MT	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Mack - Starters (cont'd)					
MH Series (cont'd)					
1984-1985	DD 6V-92, 8V-92	42 MT	12	11	SR9920LH
1984-1994	Mack Engines	42MT	12	11	SR9920LH
1984-1994	Mack Engines	Denso OSGR	12	11	SR9920LH
MR Series					
1984-1985	Cummins L-10	42 MT	12	11	SR9920LH
1984-2007	Mack Engines	42MT	12	11	SR9920LH
1984-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2000-2003	Mack Engines	39MT	12	11	SR9920LH
2004-2007	Mack E-7	39MT	12	11	SR9920LH
2004-2007	Mack E-7	Mitsubishi PLGR	12	11	SR9920LH
R Series					
1984-1990	Cummins N / NH / NT	42 MT	12	11	SR9920LH
1984-1990	DD 8V-92	42MT	12	11	SR9920LH
1984-1990	Mack Engines	42MT	12	11	SR9920LH
1984-1990	Mack Engines	Denso OSGR	12	11	SR9920LH
RB Series					
1988-2007	Mack Engines	42MT	12	11	SR9920LH
1988-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
2000-2007	Mack Engines	39MT	12	11	SR9920LH
2004-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
RD Series					
2004-2007	Mack Engines	Mitsubishi PLGR	12	11	SR9920LH
2000-2007	Mack Engines	39MT	12	11	SR9920LH
1984-1985	Cummins NTC Engines	42 MT	12	11	SR9920LH
1984-2007	Mack Engines	42MT w/OCP	12	11	SR9920LH
1984-2007	Mack Engines	Denso OSGR	12	11	SR9920LH
RL / RS Series					
1984-1990	Mack Engines	42MT	12	11	SR9920LH
1984-1990	Mack Engines	Denso OSGR	12	11	SR9920LH
RW Series					
1984-1990	Cummins N / NT	42 MT	12	11	SR9920LH
1984-1985	DD 8V-92	42MT	12	11	SR9920LH
1984-1994	Mack Engines	42MT	12	11	SR9920LH
1984-1994	Mack Engines	Denso OSGR	12	11	SR9920LH
U Series					
1984-1985	Mack Engines	42MT w/OCP	12	11	SR9920LH
1984-1985	Mack Engines	Denso OSGR	12	11	SR9920LH
Peterbilt - Starters					
320					
1997-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1991-2003	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1991-2003	Cummins 8.3L ISC	39MT w/IMS	12	12	SR9921LH
1998-2012	Cummins 8.3L ISC	Mitsubishi PLGR	12	12	SR9921LH
2002-2007	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2002-2007	Cummins ISM	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
1991-1997	Cummins L-10	Denso OSGR	12	11	SR9920LH
1993-1999	Cummins M11	Denso OSGR	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Peterbilt - Starters (cont'd)					
330					
1996-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1996-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1996-2007	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1996-2007	Cummins 8.3L ISC	39MT w/OCP	12	12	SR9921LH
1998-2012	Cummins 8.3L ISC	Mitsubishi PLGR	12	12	SR9921LH
335					
2005-2007	Cummins 8.3L ISC	42MT	12	12	SR9921LH
2005-2007	Cummins 8.3L ISC	39MT w/OCP	12	12	SR9921LH
1998-2012	Cummins 8.3L ISC	Mitsubishi PLGR	12	12	SR9921LH
2005-2007	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2005-2007	Cummins ISM	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM	Mitsubishi PLGR	12	11	SR9920LH
340					
2006-2007	Cummins 8.3L ISC	42MT	12	12	SR9921LH
2006-2007	Cummins 8.3L ISC	39MT w/OCP	12	12	SR9921LH
1998-2012	Cummins 8.3L ISC	Mitsubishi PLGR	12	12	SR9921LH
357					
1991-2003	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1997-2004	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2004	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
2005-2007	Caterpillar C-11	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2005-2007	Caterpillar C-11	Denso OSGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2005	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1991-1999	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1998-2007	Cummins ISM, ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1998-2007	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
1986-1994	Cummins L-10	Denso OSGR	12	11	SR9920LH
1993-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1991-1999	DD 60 Series	Denso PLGR	12	11	SR9920LH
359					
1991-2003	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1998-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1998-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1998-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1991-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
362					
1991-2003	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1991-1994	Cummins L-10	Denso OSGR	12	11	SR9920LH
1993-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-1999	Cummins N14	Denso OSGR	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Peterbilt - Starters (cont'd)					
362 (cont'd)					
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1991-1999	DD 60 Series	Denso PLGR	12	11	SR9920LH
372					
1991-1995	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1991-1999	Cummins N14	Denso OSGR	12	11	SR9920LH
1991-1995	DD 60 Series	Denso PLGR	12	11	SR9920LH
375					
1997-2001	Caterpillar C-10, C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2001	Caterpillar C-10, C-12	Denso PLGR	12	11	SR9920LH
1998-2001	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1998-2001	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1998-2001	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1991-1999	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1991-1993	Cummins L-10	Denso OSGR	12	11	SR9920LH
1993-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-2000	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1993-1999	DD 60 Series	Denso PLGR	12	11	SR9920LH
377					
1991-2000	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1997-2000	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2000	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1997-2000	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
1991-1993	Cummins L-10	Denso OSGR	12	11	SR9920LH
1993-2000	Cummins M11	Denso OSGR	12	11	SR9920LH
1989-1990	Cummins N14	42MT	12	11	SR9920LH
1991-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1987-2000	DD 60 Series	Denso PLGR	12	11	SR9920LH
378					
1991-2005	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-11, C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-11, C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2005	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Cummins ISM, ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
1991-1993	Cummins L-10	42MT	12	11	SR9920LH
1991-1993	Cummins L-10	Denso OSGR	12	11	SR9920LH
1993-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1987-2001	DD 60 Series	Denso PLGR	12	11	SR9920LH
379					
1991-2005	Caterpillar 3406	Denso PLGR	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Peterbilt - Starters (cont'd)					
379 (cont'd)					
1997-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2005	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2000-2003	Caterpillar C-16	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2003	Caterpillar C-16	Denso PLGR	12	11	SR9920LH
1995-2003	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1995-2003	Cummins 8.3L ISC	39MT w/OCP	12	12	SR9921LH
1998-2012	Cummins 8.3L ISC	Mitsubishi PLGR	12	12	SR9921LH
1998-2003	Cummins 8.9L ISL	42MT	12	12	SR9921LH
1998-2003	Cummins 8.9L ISL	39MT w/OCP; w/IMS	12	12	SR9921LH
1998-2012	Cummins 8.9L ISL	Mitsubishi PLGR	12	12	SR9921LH
1997-2007	Cummins ISM, ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
1986-1993	Cummins L-10	42MT	12	11	SR9920LH
1991-1993	Cummins L-10	Denso PLGR	12	11	SR9920LH
1993-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1991-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
1999-2003	Cummins Signature	42MT	12	12	SR9921LH
1987-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
385					
1997-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
1997-2003	Caterpillar C-10	Mitsubishi PLGR	12	11	SR9920LH
2005-2007	Caterpillar C-11	42MT	12	12	SR9921LH
2005-2007	Caterpillar C-11	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2005-2007	Caterpillar C-11	Denso OSGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2005	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
1997-2005	Caterpillar C-12	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Cummins ISM	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Cummins ISM	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
1996-1999	Cummins M11	Denso OSGR	12	11	SR9920LH
1996-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins N14	Mitsubishi PLGR	12	11	SR9920LH
386					
2006-2007	Caterpillar C-13, C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2006-2007	Caterpillar C-13, C-15	Denso OSGR	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Peterbilt - Starters (cont'd)					
386 (cont'd)					
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
2001-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2006-2007	Cummins ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Cummins ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
387					
2000-2005	Caterpillar 3406	Denso PLGR	12	11	SR9920LH
2000-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2003	Caterpillar C-10	Denso PLGR	12	11	SR9920LH
2000-2004	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2004	Caterpillar C-12	Denso PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
2004-2012	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
2000-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
2000-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2000-2007	Cummins ISM, ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2000-2007	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISM, ISX	Mitsubishi PLGR	12	11	SR9920LH
389					
2004-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
2004-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
2004-2007	Cummins ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
2004-2007	Cummins ISX	Denso OSGR	12	11	SR9920LH
1998-2012	Cummins ISX	Mitsubishi PLGR	12	11	SR9920LH
All Models (By Engine)					
1983-1985	Caterpillar 3406, 3408	42MT	12	11	SR9920LH
1990-1993	DD 6V-71	42MT	12	11	SR9920LH
Sterling - Starters					
Acterra M5500 / 6500 / 7500 / 8500					
2001-2007	Cummins 8.3L ISC	42MT	12	12	SR9921LH
2001-2007	Cummins 8.3L ISC	39MT	12	12	SR9921LH
A-Line A9500 / AT9500					
1999-2004	Caterpillar C-10	42MT	12	11	SR9920LH
2004-2007	Caterpillar C-11	Denso OSGR	12	11	SR9920LH
2004-2007	Caterpillar C-11	Leece MS2 Series	12	11	SR9920LH
1999-2004	Caterpillar C-12	42MT	12	11	SR9920LH
2004-2007	Caterpillar C-13	42MT w/OCP	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
1999-2007	Caterpillar C-15	42MT	12	11	SR9920LH
1999-2007	Caterpillar C-15	39MT w/OCP	12	11	SR9920LH
1999-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
2001-2003	Caterpillar C-16	42MT	12	11	SR9920LH
2001-2003	Caterpillar C-16	Denso OSGR	12	11	SR9920LH
1999-2003	Cummins ISM, ISX	42MT	12	11	SR9920LH
1999-2003	Cummins ISM, ISX	39MT w/OCP	12	11	SR9920LH
1999-2003	Cummins ISM, ISX	Denso OSGR	12	11	SR9920LH
1999-2003	Cummins M11, N14	42MT	12	11	SR9920LH
1999-2003	Cummins M11, N14	39MT w/OCP	12	11	SR9920LH
1999-2003	Cummins M11, N14	Denso PLGR	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Sterling - Starters (cont'd)					
A-Line A9500 / AT9500 (cont'd)					
1999-2007	DD 60 Series	42MT	12	11	SR9920LH
1999-2007	DD 60 Series	39MT w/OCP	12	11	SR9920LH
1999-2007	DD 60 Series	Denso OSGR	12	11	SR9920LH
2003-2007	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
Condor					
2001-2003	Caterpillar C-10, C-12	42MT	12	11	SR9920LH
2001-2005	Cummins ISM, ISX	42MT	12	11	SR9920LH
2001-2005	Cummins ISM, ISX	39MT w/OCP	12	11	SR9920LH
2001-2005	Cummins ISM, ISX	Denso PLGR	12	11	SR9920LH
L-Line 7500 / 8000 / 8500 / 9500					
1999-2004	Caterpillar C-10, C-12	42MT	12	11	SR9920LH
2005-2007	Caterpillar C-11	Denso OSGR	12	11	SR9920LH
2005-2007	Caterpillar C-11	Leece MS2 Series	12	11	SR9920LH
2005-2007	Caterpillar C-13	42MT	12	11	SR9920LH
2005-2007	Caterpillar C-13	39MT w/OCP	12	11	SR9920LH
2005-2007	Caterpillar C-13	Denso OSGR	12	11	SR9920LH
1999-2007	Caterpillar C-15	42MT	12	11	SR9920LH
1999-2007	Caterpillar C-15	39MT w/OCP	12	11	SR9920LH
1999-2007	Caterpillar C-15	Denso PLGR	12	11	SR9920LH
2003	Caterpillar C-16	42MT	12	11	SR9920LH
2003	Caterpillar C-16	39MT w/OCP	12	11	SR9920LH
2003	Caterpillar C-16	Denso OSGR	12	11	SR9920LH
1999-2007	Cummins 8.3L ISC	42MT	12	12	SR9921LH
1999-2007	Cummins 8.3L ISC	39MT w/IMS	12	12	SR9921LH
1999-2001	Cummins M11	42MT	12	11	SR9920LH
1999-2001	Cummins M11	39MT w/OCP	12	11	SR9920LH
1999-2001	Cummins M11	Denso OSGR	12	11	SR9920LH
1999-2003	Cummins N14	42MT	12	11	SR9920LH
1999-2003	Cummins N14	39MT w/OCP	12	11	SR9920LH
1999-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
2001-2007	DD 60 Series	42MT	12	11	SR9920LH
2001-2007	DD 60 Series	39MT w/OCP	12	11	SR9920LH
2001-2007	DD 60 Series	Denso OSGR	12	11	SR9920LH
2003-2007	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
Silver Star Series					
1999-2001	Caterpillar C-15	42MT	12	11	SR9920LH
1999-2001	Caterpillar C-15	39MT w/OCP	12	11	SR9920LH
1999-2001	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1999-2001	Cummins N14	42MT	12	11	SR9920LH
1999-2001	Cummins N14	39MT w/OCP	12	11	SR9920LH
1999-2001	Cummins N14	Denso OSGR	12	11	SR9920LH
1999-2001	DD 60 Series	42MT	12	11	SR9920LH
1999-2001	DD 60 Series	39MT w/OCP	12	11	SR9920LH
1999-2001	DD 60 Series	Denso OSGR	12	11	SR9920LH
Volvo - Starters					
ACL42 / ACL64 Series					
1994-2000	Caterpillar 3176	39MT	12	11	SR9920LH
1994-2000	Cummins M11	42MT	12	11	SR9920LH
1994-2000	Cummins M11	Denso PLGR	12	11	SR9920LH
1996-2000	Cummins M11	39MT	12	11	SR9920LH
2001-2012	Cummins M11	Mitsubishi PLGR	12	11	SR9920LH
1994-2002	Cummins N14	42MT	12	11	SR9920LH
1996-2002	Cummins N14	39MT	12	11	SR9920LH
1996-2002	Cummins N14	Denso OSGR	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Volvo - Starters (cont'd)					
ACL42 / ACL64 Series (cont'd)					
1994-2000	DD 60 Series	42MT	12	11	SR9920LH
1996-2000	DD 60 Series	39MT	12	11	SR9920LH
1996-2000	DD 60 Series	Denso OSGR	12	11	SR9920LH
1994-2002	Volvo VED 12	Denso OSGR	12	12	SR9921LH
1996-2002	Volvo VED 12	42MT w/OCP; w/IMS	12	12	SR9921LH
1996-2002	Volvo VED 12	39MT w/IMS	12	12	SR9921LH
1996-2002	Volvo VED 12	Mitsubishi PLGR	12	12	SR9921LH
All Models (By Engine)					
1983-1993	Caterpillar 3406	42MT	12	11	SR9920LH
1983-1993	Cummins 855	42MT	12	11	SR9920LH
1986-1993	Cummins L-10, N-14	42MT	12	11	SR9920LH
1983-1988	Cummins V-903	42 MT	12	11	SR9920LH
1983-1986	Cummins VT-555	42 MT	12	11	SR9920LH
1986-1991	DD 6V-92	42MT	12	11	SR9920LH
1989-1993	DD 60 Series	42MT	12	11	SR9920LH
FE42					
1994-1998	Volvo D7 Dsl	42MT	12	12	SR9921LH
VHD Series					
2001-2003	Cummins ISM	Denso OSGR	12	11	SR9920LH
2001-2003	Cummins ISM, M11	42MT	12	11	SR9920LH
2001-2003	Cummins M11	39MT	12	11	SR9920LH
2001-2003	Cummins M11	Denso PLGR	12	11	SR9920LH
2004-2012	Cummins M11	Mitsubishi PLGR	12	11	SR9920LH
2001-2007	Volvo VED 12	42MT	12	12	SR9921LH
2001-2007	Volvo VED 12	39MT w/IMS	12	12	SR9921LH
2001-2007	Volvo VED 12	Denso OSGR	12	12	SR9921LH
2001-2007	Volvo VED 12	Mitsubishi PLGR	12	12	SR9921LH
VNL Series					
2000-2007	Cummins ISX	39MT	12	11	SR9920LH
2000-2012	Cummins ISX	Mitsubishi PLGR	12	12	SR9921LH
1994-2004	Cummins M11	42MT	12	11	SR9920LH
1994-2004	Cummins M11	Denso PLGR	12	11	SR9920LH
1996-2004	Cummins M11	39MT	12	11	SR9920LH
2004-2012	Cummins M11	Mitsubishi PLGR	12	11	SR9920LH
1994-2003	Cummins N14	42MT	12	11	SR9920LH
1994-2003	Cummins N14	Denso PLGR	12	11	SR9920LH
1996-2003	Cummins N14	39MT	12	11	SR9920LH
1996-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1994-2003	DD 60 Series	42MT	12	11	SR9920LH
1994-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
1996-2003	DD 60 Series	39MT	12	11	SR9920LH
1996-2003	DD 60 Series	Denso OSGR	12	11	SR9920LH
2005-2007	Volvo D16	Mitsubishi PLGR	12	12	SR9921LH
1997-2007	Volvo VED 12	42MT	12	12	SR9921LH
1997-2007	Volvo VED 12	39MT w/IMS	12	12	SR9921LH
1997-2007	Volvo VED 12	Denso OSGR	12	12	SR9921LH
1997-2007	Volvo VED 12	Mitsubishi PLGR	12	12	SR9921LH
2007-2012	Volvo MD13	Mitsubishi PLGR	12	12	SR9921LH
VNM Series					
1997-2003	All Cummins, DD Engines	42MT	12	11	SR9920LH
1997-2003	Cummins ISM, N14	Denso OSGR	12	11	SR9920LH
1997-2003	Cummins M11, N14	39MT	12	11	SR9920LH
1997-2003	Cummins M11, N14	Denso PLGR	12	11	SR9920LH
1997-2003	DD 60 Series	39MT	12	11	SR9920LH

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Volvo - Starters (cont'd)					
VNM Series (cont'd)					
1997-2003	DD 60 Series	Denso PLGR	12	11	SR9920LH
1997-2007	Volvo VED 12	42MT	12	12	SR9921LH
1997-2007	Volvo VED 12	39MT HD Version; w/IMS; w/OCP	12	12	SR9921LH
1997-2007	Volvo VED 12	Denso OSGR	12	12	SR9921LH
1997-2007	Volvo VED 12	Mitsubishi PLGR	12	12	SR9921LH
2007-2012	Volvo MD13	Mitsubishi PLGR	12	12	SR9921LH
VT Series					
2005-2012	Volvo D16	Mitsubishi PLGR	12	12	SR9921LH
2004-2007	Cummins ISX	39MT	12	11	SR9920LH
2004-2012	Cummins ISX	Mitsubishi PLGR	12	12	SR9921LH
WA / WC / WG / WH / WI / WX Series					
1997-2001	Cummins ISM	42MT	12	11	SR9920LH
1997-2001	Cummins ISM	Denso OSGR	12	11	SR9920LH
1990-1998	Cummins L-10	42MT	12	11	SR9920LH
1994-2001	Cummins M11	42MT	12	11	SR9920LH
1994-2001	Cummins M11	Denso PLGR	12	11	SR9920LH
1996-2001	Cummins M11	39MT	12	11	SR9920LH
1994-2000	Cummins N14	42MT	12	11	SR9920LH
1996-2000	Cummins N14	39MT	12	11	SR9920LH
1996-2000	Cummins N14	Denso OSGR	12	11	SR9920LH
1994-2003	DD 60 Series	42MT	12	11	SR9920LH
1996-2003	DD 60 Series	39MT	12	11	SR9920LH
1996-2003	DD 60 Series	Denso OSGR	12	11	SR9920LH
1994-1995	Volvo VED 12	42MT w/OCP; w/IMS	12	12	SR9921LL
1994-2001	Volvo VED 12	Denso OSGR	12	12	SR9921LH
1996-2001	Volvo VED 12	42MT w/OCP; w/IMS	12	12	SR9921LH
1996-2001	Volvo VED 12	39MT w/IMS	12	12	SR9921LH
1996-2001	Volvo VED 12	Mitsubishi PLGR	12	12	SR9921LH
Western Star - Starters					
All Models (By Engine)					
1997-2003	Caterpillar C-10	42MT	12	11	SR9920LH
1997-2003	Caterpillar C-10	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2003	Caterpillar C-10	Denso OSGR	12	11	SR9920LH
1997-2004	Caterpillar C-12	42MT	12	11	SR9920LH
1997-2004	Caterpillar C-12	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2004	Caterpillar C-12	Denso OSGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	42MT	12	11	SR9920LH
2004-2007	Caterpillar C-13	39MT	12	11	SR9920LH
2004-2007	Caterpillar C-13	Denso PLGR	12	11	SR9920LH
2004-2007	Caterpillar C-13	Mitsubishi PLGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	42MT	12	11	SR9920LH
1997-2007	Caterpillar C-15	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1997-2007	Caterpillar C-15	Denso OSGR	12	11	SR9920LH
1997-2007	Caterpillar C-15	Mitsubishi PLGR	12	11	SR9920LH
1999-2003	Cummins ISM, ISX	42MT	12	11	SR9920LH
1999-2003	Cummins ISM, ISX	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1999-2003	Cummins ISM, ISX	Denso PLGR	12	11	SR9920LH
1984-1985	Cummins L-10	42MT	12	11	SR9920LH
1991-1998	Cummins L-10	Denso PLGR	12	11	SR9920LH
1994-1998	Cummins M11	42MT	12	11	SR9920LH
1994-1998	Cummins M11	39MT w/OCP	12	11	SR9920LH
1994-1998	Cummins M11	Denso OSGR	12	11	SR9920LH
1993-2003	Cummins N14	42MT	12	11	SR9920LH
1994-2003	Cummins N14	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH

Medium & Heavy Duty Applications

Long Haul® Starters

Year	Make/Model Engine Application	OE Type	Volts 12	Pinion Teeth	Bosch Long Haul
Western Star - Starters (cont'd)					
All Models (By Engine) (cont'd)					
1994-2003	Cummins N14	Denso OSGR	12	11	SR9920LH
1999-2001	Cummins Signature	42MT	12	11	SR9920LH
1999-2001	Cummins Signature	39MT w/OCP	12	11	SR9920LH
1999-2001	Cummins Signature	Denso PLGR	12	11	SR9920LH
1993-2003	DD 60 Series	42MT	12	11	SR9920LH
1994-2003	DD 60 Series	39MT HD Version; w/IMS; w/OCP	12	11	SR9920LH
1994-2003	DD 60 Series	Denso OSGR	12	11	SR9920LH
1994-2003	DD 60 Series	Mitsubishi PLGR	12	11	SR9920LH
2002-2007	Mercedes MBE4000	Denso OSGR	12	12 (Metric)	SR9922LH
White - Starters					
All Models (By Engine)					
1984	Caterpillar 3406	42MT	12	11	SR9920LH
1984	Cummins NH.NTA NTC PT	42MT	12	11	SR9920LH
1984	DD 6V-92	42MT	12	11	SR9920LH

Competitor number	Bosch Long Haul part number	Competitor number	Bosch Long Haul part number
AC Delco		Cummins (cont'd)	
323-830	SR9921LH	3021034	SR9920LH
323-854	SR9920LH	3021035	SR9920LH
323-855	SR9921LH	3102919	SR9921LH
323-864	SR9920LH	3610942	SR9920LH
323-867	SR9920LH	3907622	SR9921LH
323-874	SR9921LH	3910645	SR9921LH
323-902	SR9920LH	3604322RX	SR9920LH
323-948	SR9920LH	3604323RX	SR9921LH
Cargo		3604665RX	SR9920LH
110436	SR9921LH	DENSO	
112089	SR9920LH	428000-1210	SR9920LH
113153	SR9920LH	428000-1211	SR9920LH
113550	SR9920LH	428000-1420	SR9921LH
113825	SR9921LH	428000-1422	SR9921LH
113829	SR9920LH	428000-4420	SR9920LH
113915	SR9921LH	428000-4430	SR9920LH
113916	SR9920LH	428000-4440	SR9920LH
113918	SR9920LH	428000-4450	SR9922LH
Case		428000-4451	SR9922LH
107717A1	SR9920LH	428000-5190	SR9920LH
20-2383T91	SR9920LH	428000-5430	SR9921LH
20-2386T91	SR9921LH	428000-5730	SR9920LH
Caterpillar		Detroit Diesel	
1463503	SR9920LH	R0461126	SR9920LH
0R2189	SR9921LH	R0461127	SR9920LH
0R5218	SR9921LH	Dixie New	
2N2761	SR9920LH	200-39109	SR9921LH
3E7863	SR9920LH	200-39112	SR9921LH
8C3596	SR9921LH	201-39107	SR9921LH
8C3652	SR9920LH	201-42101	SR9920LH
Cummins		201-42102	SR9921LH
157579	SR9921LH	201-42114	SR9921LH
185617	SR9921LH	201-42120	SR9920LH
195827	SR9920LH	201-42121	SR9921LH
195828	SR9920LH	201-42125	SR9920LH
195829	SR9920LH	Dixie Reman	
195830	SR9920LH	S-7030	SR9920LH
195833	SR9920LH	S-7031	SR9920LH
195834	SR9920LH	S-80130	SR9921LH
554560	SR9921LH	S-80135	SR9920LH

Cross Reference Replacement Guide



Long Haul® Starters

Competitor number	Bosch Long Haul part number	Competitor number	Bosch Long Haul part number
Dixie Reman (cont'd)		Ford	
S-80136	SR9921LH	E6HT-11001-CA	SR9920LH
S-80240	SR9920LH	E6HZ-11002-C	SR9920LH
S-80241	SR9920LH	E6HZ-11002-D	SR9920LH
S-80243	SR9921LH	F0HT-11001-AA	SR9920LH
S-80245	SR9920LH	F0HT-11001-AB	SR9920LH
S-80247	SR9922LH	F0HZ-11002-A	SR9920LH
S-80248	SR9920LH	F6HT-11001-AA	SR9920LH
S-80250	SR9921LH	F6HT-11001-GA	SR9920LH
S-80252	SR9921LH	F6HT-11001-HA	SR9920LH
S-80254	SR9920LH	F6HZ-11002-AA	SR9920LH
S-80256	SR9921LH	F6HZ-11002-GA	SR9920LH
S-80258	SR9920LH	F6HZ-11002-HA	SR9920LH
TS-1500	SR9921LH	F7HT-11001-DA	SR9920LH
TS-1501	SR9920LH	F7HZ-11002-DA	SR9920LH
TS-1512	SR9920LH	Freightliner	
TS-1597	SR9920LH	MIB7077	SR9920LH
TS-1611	SR9921LH	MIB70777	SR9920LH
TS-1656	SR9921LH	MIB70975	SR9920LH
TS-1657	SR9921LH	MIB970579	SR9920LH
TS-1662	SR9920LH	MIB970579	SR9920LH
TS-1673	SR9920LH	MIB970579FL	SR9920LH
TS-1679	SR9920LH	MIB971179FL	SR9922LH
TS-1685	SR9921LH	John Deere	
TS-1700	SR9920LH	RE24305	SR9920LH
TS-1743	SR9920LH	RE41754	SR9920LH
TS-1745	SR9920LH	RE51792	SR9920LH
TS-1747	SR9921LH	RE51792,	SR9920LH
TS-1750	SR9921LH	RE53695	SR9920LH
TS-1780	SR9920LH	TY6728	SR9920LH
TS-1782	SR9921LH	Kenworth	
TS-1785	SR9921LH	KW0779	SR9920LH
TS-1786	SR9920LH	Leece	
TS-1802	SR9921LH	M105302	SR9921LH
TS-1805	SR9920LH	MS2-500	SR9920LH
TS-1806	SR9920LH	MS2-501	SR9920LH
TS-1807	SR9920LH	MS2-501D	SR9920LH
TS-1808	SR9921LH	MS2-501ND	SR9920LH
TS-1815	SR9920LH	MS2-503	SR9920LH
TS-1817	SR9921LH	MS2-503D	SR9920LH
TS-1822	SR9921LH	MS2-504	SR9920LH
TS-1824	SR9920LH		

Competitor number	Bosch Long Haul part number	Competitor number	Bosch Long Haul part number
Leece (cont'd)		Lester (cont'd)	
MS2-504D	SR9920LH	6824	SR9920LH
MS2-507	SR9920LH	6825	SR9920LH
MS2-507RM	SR9920LH	6827	SR9920LH
MS2-510	SR9920LH	6830	SR9921LH
MS2-510D	SR9920LH	6856	SR9920LH
MS2-511	SR9920LH	6858	SR9921LH
MS2-511D	SR9920LH	6872	SR9920LH
MS2-514	SR9920LH	6881	SR9921LH
MS2-514D	SR9920LH	6883	SR9921LH
MS2-530	SR9921LH	6884	SR9921LH
MS2-530D	SR9921LH	6885	SR9920LH
MS2-530DS	SR9921LH	6886	SR9920LH
MS2-531	SR9921LH	6887	SR9920LH
MS2-531D	SR9921LH	6888	SR9920LH
Lester		6889	SR9920LH
6224	SR9921LH	6890	SR9920LH
6225	SR9921LH	6899	SR9920LH
6352	SR9920LH	6907	SR9921LH
6356	SR9920LH	6911	SR9920LH
6371	SR9921LH	6912	SR9920LH
6509	SR9920LH	6913	SR9920LH
6513	SR9920LH	6914	SR9921LH
6548	SR9920LH	6919	SR9922LH
6550	SR9920LH	6924	SR9920LH
6559	SR9921LH	18570	SR9920LH
6772	SR9921LH	18572	SR9921LH
6773	SR9921LH	18969	SR9920LH
6775	SR9920LH	18970	SR9921LH
6777	SR9921LH	19501	SR9920LH
6801	SR9920LH	19502	SR9920LH
6802	SR9920LH	19503	SR9920LH
6804	SR9920LH	19504	SR9922LH
6805	SR9921LH	19505	SR9920LH
6806	SR9920LH	19506	SR9921LH
6811	SR9921LH	19507	SR9920LH
6812	SR9920LH	19519	SR9920LH
6814	SR9920LH	19520	SR9920LH
6815	SR9921LH	19523	SR9920LH
6816	SR9921LH	19525	SR9920LH
6821	SR9921LH	19526	SR9920LH
6822	SR9920LH	19529	SR9920LH

Cross Reference Replacement Guide



Long Haul® Starters

Competitor number	Bosch Long Haul part number	Competitor number	Bosch Long Haul part number
Lester (cont'd)		Mitsubishi (cont'd)	
19534	SR9921LH	M9T17978	SR9921LH
19537	SR9921LH	M9T70279	SR9921LH
19541	SR9920LH	M9T70579	SR9920LH
19542	SR9921LH	M9T7077	SR9920LH
19600	SR9922LH	M9T70776	SR9921LH
Mack		M9T70777	SR9920LH
5034-M105302	SR9921LH	M9T70879	SR9921LH
8MJ4267M	SR9920LH	M9T70975	SR9920LH
8MJ4298AM	SR9920LH	M9T70979	SR9920LH
5034-M105302	SR9921LH	M9T71076	SR9920LH
8MJ4267M	SR9920LH	M9T71078	SR9920LH
8MJ4298AM	SR9920LH	M9T71179	SR9922LH
MK0077	SR9920LH	M9T71478	SR9920LH
MK1075	SR9920LH	M9T72078	SR9921LH
MK1078	SR9920LH	VV0279	SR9921LH
MK1978	SR9921LH	VV0776	SR9921LH
MK2078	SR9921LH	VV0879	SR9921LH
MK2079	SR9921LH	VV0977	SR9920LH
Mitsubishi		VV1076	SR9920LH
FL0579	SR9920LH	VV1979	SR9921LH
FL0777	SR9920LH	VV2079	SR9921LH
FL0975	SR9920LH	VV2080	SR9921LH
FL1179	SR9922LH	NAVISTAR	
M009T1979	SR9921LH	1614303C91	SR9921LH
M009T70077	SR9920LH	2011457C91	SR9921LH
M009T70279	SR9921LH	2018380C91	SR9921LH
M009T70579	SR9920LH	2593564C91	SR9920LH
M009T7077	SR9920LH	263819C91	SR9920LH
M009T70776	SR9921LH	3573427C91	SR9920LH
M009T70979	SR9920LH	3574175C91	SR9921LH
M009T71076	SR9920LH	3576957C91	SR9920LH
M009T71279	SR9921LH	3584402C91	SR9920LH
M009T71478	SR9920LH	3601668C91	SR9921LH
M009T72078	SR9921LH	3667911C91	SR9921LH
M19T71075	SR9920LH	3815734C91	SR9920LH
M1B970777	SR9920LH	3863010C91	SR9921LH
M1B970777FL	SR9920LH	430138C91	SR9921LH
M1B970975	SR9920LH	597219C91	SR9921LH
M1B970975FL	SR9920LH	597220C91	SR9921LH
M9T17279	SR9921LH	673796C92	SR9921LH
		IN1378	SR9921LH

Competitor number	Bosch Long Haul part number	Competitor number	Bosch Long Haul part number
NAVISTAR (cont'd)		Remy New (cont'd)	
IN1478	SR9920LH	1990492	SR9921LH
IN2178	SR9921LH	1990495	SR9920LH
LNM105302	SR9921LH	1993776	SR9921LH
ZLNM105302	SR9921LH	1993803	SR9920LH
PACCAR		1993807	SR9920LH
PC0979	SR9920LH	1993820	SR9921LH
D61-6002-001	SR9920LH	1993823	SR9920LH
D61-6002-003	SR9921LH	1993938	SR9921LH
D61-6002-008	SR9920LH	8200033	SR9920LH
M970979	SR9920LH	8200037	SR9920LH
PC0979	SR9920LH	8200050	SR9920LH
PC1479	SR9921LH	8200058	SR9921LH
Remy New		8200081	SR9921LH
1990337	SR9920LH	8200083	SR9920LH
1990348	SR9920LH	8200085	SR9921LH
1990352	SR9920LH	8200087	SR9921LH
1990354	SR9920LH	8200088	SR9920LH
1990355	SR9920LH	8200090	SR9920LH
1990356	SR9921LH	8200091	SR9920LH
1990362	SR9921LH	8200182	SR9921LH
1990363	SR9920LH	8200186	SR9921LH
1990386	SR9920LH	8200210	SR9921LH
1990391	SR9920LH	8200214	SR9921LH
1990394	SR9921LH	8200218	SR9921LH
1990398	SR9920LH	8200219	SR9921LH
1990400	SR9920LH	8200223	SR9920LH
1990404	SR9921LH	8200288	SR9920LH
1990405	SR9921LH	8200289	SR9920LH
1990406	SR9921LH	8200290	SR9920LH
1990420	SR9920LH	8200291	SR9921LH
1990421	SR9920LH	8200308	SR9920LH
1990424	SR9920LH	8200360	SR9921LH
1990428	SR9920LH	8200417	SR9921LH
1990429	SR9921LH	8200433	SR9921LH
1990431	SR9920LH	8200434	SR9922LH
1990445	SR9920LH	8200468	SR9920LH
1990446	SR9920LH	8200469	SR9921LH
1990469	SR9921LH	8200470	SR9921LH
1990471	SR9921LH	8200572	SR9921LH
1990483	SR9920LH	8300012	SR9921LH
		10478832	SR9920LH

Cross Reference Replacement Guide



Long Haul® Starters

Competitor number	Bosch Long Haul part number	Competitor number	Bosch Long Haul part number
Remy New (cont'd)		Remy Reman	
10478834	SR9920LH	8300004	SR9921LH
10478935	SR9920LH	8300007	SR9921LH
10478964	SR9920LH	8300009	SR9920LH
10478992	SR9921LH	8300015	SR9921LH
10479006	SR9920LH	8300019	SR9920LH
10479027	SR9921LH	8300020	SR9920LH
10479028	SR9920LH	8300059	SR9920LH
10479030	SR9920LH	8300060	SR9921LH
10479037	SR9920LH	8300061	SR9921LH
10479038	SR9920LH	8300062	SR9921LH
10479081	SR9920LH	8300200	SR9920LH
10479082	SR9920LH	10461777	SR9920LH
Volvo		Volvo	
10479091	SR9921LH	20430285	SR9921LH
10479092	SR9921LH	20520903	SR9921LH
10479112	SR9920LH	20712113	SR9921LH
10479113	SR9920LH	20815227	SR9921LH
10479131	SR9921LH	20851006	SR9920LH
10479154	SR9921LH	20851008	SR9921LH
10479155	SR9921LH	21001781	SR9920LH
10479156	SR9920LH	21001797	SR9920LH
10479157	SR9920LH	21001825	SR9921LH
10479162	SR9921LH	21019456	SR9921LH
10479163	SR9921LH	21019460	SR9921LH
10479183	SR9920LH	21045969	SR9921LH
10479185	SR9920LH	21428341	SR9921LH
10479191	SR9921LH	85103338	SR9921LH
10479251	SR9921LH	LN M105302	SR9921LH
10479265	SR9920LH	Western Star	
10479287	SR9920LH	820013422	SR9920LH
19011500	SR9920LH	820013427	SR9920LH
Wilson Reman		Wilson Reman	
19011505	SR9920LH	90-01-4632	SR9921LH
19011506	SR9920LH	91-01-4161	SR9921LH
19011515	SR9921LH	91-01-4166	SR9920LH
19011516	SR9920LH	91-01-4295	SR9921LH
19011517	SR9921LH	91-01-4297	SR9920LH
19011518	SR9920LH	91-01-4407	SR9921LH
19011519	SR9920LH	91-01-4425	SR9920LH
19011521	SR9920LH	91-01-4459	SR9921LH
19011526	SR9921LH		
19011530	SR9920LH		

Competitor number	Bosch Long Haul part number	Competitor number	Bosch Long Haul part number
Wilson Reman (cont'd)		Wilson Reman (cont'd)	
91-01-4485	SR9920LH	91-29-5647	SR9920LH
91-01-4487	SR9920LH	91-29-5648	SR9920LH
91-01-4535	SR9921LH	91-29-5688	SR9920LH
91-01-4536	SR9920LH	91-29-5689	SR9921LH
91-01-4561	SR9920LH	91-29-5690	SR9920LH
91-01-4624	SR9920LH	91-29-5691	SR9922LH
91-01-4627	SR9921LH	Wilson New	
91-01-4628	SR9921LH	91-01-4295N	SR9920LH
91-01-4631	SR9920LH	91-01-4487N	SR9920LH
91-01-4632	SR9921LH	91-01-4535N	SR9921LH
91-01-4633	SR9920LH	91-01-4561N	SR9920LH
91-01-4638	SR9921LH	91-01-4624N	SR9920LH
91-01-4638	SR9920LH	91-01-4627N	SR9921LH
91-01-4653	SR9920LH	91-01-4628N	SR9921LH
91-01-4711	SR9920LH	91-01-4631N	SR9920LH
91-01-4712	SR9920LH	91-01-4633N	SR9920LH
91-01-4713	SR9920LH	91-01-4648N	SR9920LH
91-01-4714	SR9921LH	91-01-4711N	SR9920LH
91-01-4746	SR9921LH	91-01-4712N	SR9920LH
91-01-4747	SR9920LH	91-01-4714N	SR9921LH
91-01-4748	SR9920LH	91-29-5577N	SR9921LH
91-01-4750	SR9921LH	91-29-5646N	SR9920LH
91-04-7817	SR9920LH	91-29-5647N	SR9920LH
91-04-7818	SR9920LH	91-29-5648N	SR9920LH
91-04-7819	SR9920LH	91-29-5688N	SR9920LH
91-04-7823	SR9921LH	91-29-5689N	SR9921LH
91-04-7825	SR9921LH	91-29-5690N	SR9920LH
91-04-7826	SR9920LH		
91-04-7831	SR9920LH		
91-04-7837	SR9920LH		
91-27-3305	SR9921LH		
91-27-3390	SR9920LH		
91-27-3398	SR9921LH		
91-27-3416	SR9920LH		
91-27-3417	SR9920LH		
91-27-3423	SR9920LH		
91-27-3424	SR9922LH		
91-27-3468	SR9920LH		
91-29-5550	SR9920LH		
91-29-5577	SR9921LH		
91-29-5646	SR9920LH		

Notes

Notes

Notes

Notes

Notes
