



*Unique Quality · Unique Value · Unipoint*

*Rotating Electrical*  
**NEW PRODUCT HIGHLIGHTS**

**2010 AUG. / NEWS.113**

A decorative graphic element consisting of several overlapping, curved, light-colored bands that sweep across the bottom half of the page, creating a sense of motion and depth.



*Unique Quality · Unique Value · Unipoint*

Dear Valued Customers,

**Please find attached Unipoint "New Product Highlights" for August 2010, featuring our newest additions for Rotating Electrical Line.**

We would like to introduce to you our new units as ALT-0191, ALT-0192, ALT-5301, STR-7108, STR-6098, & STR-6099.

**Replacement for Prestolite Type**

ALT-0191: 24V, 150A. Batteryless System. Used on various Buses & Coaches, and Thermoking.

ALT-0192: 24V, 150A. Used on Cummins, Daichai, Xichai-Fawd, Yuchai Engines for China market.

**Replacement for Mitsubishi Type**

STR-7108: 24V, 5.0KW. Used on Mitsubishi Industrial Lift Trucks.

**Replacement for Denso Type**

ALT-5301: 12V, 40A. Used on Toyota Lift Truck 1989-94.

STR-6098: 12V, 2.5KW. Used on Dodge RAM Pickups 5.9L Dsl. This Starter is similar in appearance to STR-6086, but the Battery Stud and Ignition Terminal are on the opposite side.

STR-6099: 12V, 2.7KW. Used on Case, Cummins, Ford, International, Versatile Trucks & Tractors.

You can find the detailed spec, cross reference numbers & applications from our Unipoint News #113. Also, all the data have been updated to our website catalog:[www.unipoint.com.tw](http://www.unipoint.com.tw)

**All these products are now ready for production & can be included in your new order. Thank you for your business & support!**

**Best Regards,  
Unipoint Customer Service**

## ALTERNATOR

### ALT-0191 BATTERYLESS



Computer Tested Alternator

**ALT-0191**  
24V, 150A, N

1..0 30560.ALT-0191

Alternator test sequence:	Results:
Maximum output power	4140 Watts
Maximum output under full load	186 Amps
Voltage regulator set point	28.06 Volts
Voltage regulator set point (hot)	28.07 Volts
Turn on speed (or indicator lamp out)	1253 RPM
Voltage regulator soft start delay	2.5 Sec
Voltage regulator load response control	1.5 Sec
Leakage current tested @ 24 volts	1.51 mAmps
Leakage current tested @ 24 volts (hot)	1.43 mAmps
Ripple current @ 2500 RPM	34 Amps
Pulley ratio	2.24
Voltage regulator functions test:	Within specs
Ig = ignition	yes
Output current tested at 25.00 volts	
Alternator RPM	1800 2000 3000 4000 5000 6000
Amperage	97 111 146 158 163 166

Amperage	150A
Pulley Groove	w/o pulley
Rotation	CW
Voltage	24V

## CROSS REFERENCE

MOTOROLA No.'S	LESTER No.'S
8SC3110V	8630
8SC3110VC	PIC No.'S
PRESTOLITE No.'S	210-447
110-568	
8SC3110V	
8SC3110VC	

## TO FIT

1. BUSES & COACHES
2. THERMOKING
3. FIT FOR DEPENDENCE AND INDEPENDENCE BUS AIR-CONDITIONER, A.C. CURRENT  $\leq$  120A.

## VOLTAGE REGULATOR

### PART NO.

**YR-IL38**

### O.E.M. NO.

PRESTOLITE No.'S  
105-389  
8RL3023C



Ctr. To Ctr. Mtg. Ho	147.5mm, 126.8mm
Voltage	28V

## BRUSH HOLDER

### PART NO.

**BH-0102**

### O.E.M. NO.

PRESTOLITE No.'S  
103-27  
103-31



Voltage	24V
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## ALTERNATOR

### ALT-0192



Computer Tested Alternator

**ALT-0192**  
24V, 150A, N

1..0 30194.ALT-0192

Alternator test sequence:	Results:
Maximum output power	4437 Watts
Maximum output under full load	177 Amps
Voltage regulator set point	28.18 Volts
Voltage regulator set point (hot)	28.17 Volts
Turn on speed (or indicator lamp out)	1232 RPM
Voltage regulator soft start delay	2.5 Sec
Voltage regulator load response control	1.5 Sec
Leakage current tested @ 24 volts	3.30 mAmps
Leakage current tested @ 24 volts (hot)	3.34 mAmps
Ripple current @ 2300 RPM	37 Amps
Pulley ratio	2.30 -
Lamp terminal output voltage	28.17 Volt
Under voltage indication #	24.38 Volt
Over voltage indication #	31.57 Volt
Voltage regulator functions test:	Within specs
L = indicator lamp circuit	yes
Output current tested at 25.00 volts	
Alternator RPM	1800 2000 3000 4000 5000 6000
Average	105 120 157 169 174 177

Amperage	150A
Pulley Groove	w/o pulley
Rotation	CW
Voltage	24V

## CROSS REFERENCE

PRESTOLITE No.'S      PIC No.'S  
8SC3238VC              210-451

## TO FIT

CUMMINS  
DAICHA  
XICHA-FAWD  
YUCHAI  
大柴  
玉柴  
康明斯  
錫柴

## VOLTAGE REGULATOR

### PART NO.

### YR-IL37

### O.E.M. NO.

PRESTOLITE No.'S  
105-388  
8RL3108C



Ctr. To Ctr. Mtg. Ho	147.5mm, 126.8mm
Voltage	28V

## BRUSH HOLDER

### PART NO.

### BH-0102

### O.E.M. NO.

PRESTOLITE No.'S  
103-27  
103-31



Voltage	24V
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## ALTERNATOR

### ALT-5301



**ALT-5301** PASS  
802010 18-01

Description: **12V, 40A, CW**

This alternator has an internal voltage regulator.

Terminals / Application: Universal - Plug with 6-Pin (J57-Series) Field is protected by "V-Tag" Fuse

Test Results Table:	
Maximum Alternator Output:	Amps 48.0
Maximum Output Power:	Watts 633
Voltage Set Point:	Volts 14.25
Voltage Set Point (FMS):	Volts 14.25
Leakage Current:	mAmps 0.55
Leakage Current (FMS):	mAmps 0.0
Slip/In Current:	Amps 0.0
Alternator Turn On Speed:	RPM 1200
Field leads to computer ( @ 2000RPM):	Volts 0.17
Regulator activation voltage:	Volts 0.17
Lockdown Frequency:	Hz 0
Stator Voltage:	Volts 0.2
Full Load Delay:	Sec. 0.0
L/RC Delay:	Sec. 1.6
Lamp Style:	Standard
Lamp Type:	Standard

Output Current Table:	
Output Current at 1800 RPM:	Amps 8
Output Current at 1800 RPM:	Amps 13
Output Current at 2000 RPM:	Amps 17
Output Current at 2500 RPM:	Amps 26
Output Current at 2500 RPM:	Amps 30
Output Current at 4000 RPM:	Amps 41
Output Current at 4000 RPM:	Amps 46
Output Current at 6000 RPM:	Amps 48

Output Current Table:

Output Current at 1800 RPM	Output Current at 1800 RPM
8	13
13	17
17	26
26	30
30	41
41	46
46	48

Alt Alternator Performance Curve

Amperage	40A
Pulley Groove	w/o pulley
Rotation	CW
Voltage	12V

## CROSS REFERENCE

DENSO No.'S	LESTER No.'S
100211-4540	12187
TOYOTA No.'S	PIC No.'S
27060-78003	290-206
27060-78003-71	

## TO FIT

TOYOTA	5FD-25	V1512	1989	1994
TOYOTA	5FDL-10	V1512	1989	1994
TOYOTA	5FG-15	4P	1989	1994
TOYOTA	5FG-18	5K	1989	1994
TOYOTA	5FG-23	4Y	1989	1994
TOYOTA	5FG-25	4P	1989	1994
TOYOTA	5FG-28	4Y	1989	1994
TOYOTA	5FGL-15	5K	1989	1994
TOYOTA	6FDL-10	V1512		
TOYOTA	6FG-14	5K		
TOYOTA	6FGC-25	4Y		
TOYOTA	6FGL-18	5K		

## VOLTAGE REGULATOR

### PART NO. YR-6531

O.E.M. NO.  
DENSO No.'S  
126000-2350  
TOYOTA No.'S  
27700-78304  
27700-78304-71A



Ctr. To Ctr. Mtg. Ho	57.5mm
Note	W/LAMP
Voltage	14V

## RECTIFIER

### PART NO. REC-6411

O.E.M. NO.  
DENSO No.'S  
021580-3110  
TOYOTA No.'S  
27357-72120  
27357-76006  
27357-76006-71



OD	83mm
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## BRUSH HOLDER

### PART NO. BH-631

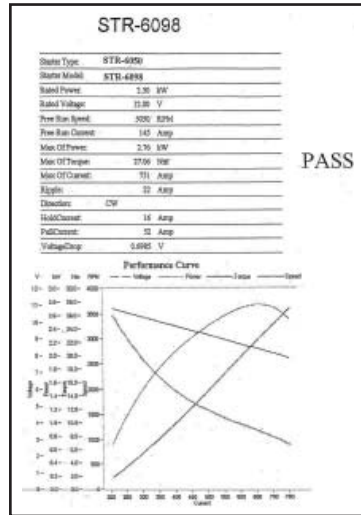
O.E.M. NO.  
DENSO No.'S  
021620-2180  
021620-2201  
021620-2630  
TOYOTA No.'S  
27370-23840-71



Voltage	12V
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## STARTER

### STR-6098



Power	2.5KW
Rotation	CW
Teeth	13T
Voltage	12V

## CROSS REFERENCE

CHRYSLER No.'S	LESTER No.'S
05086932AA	17892
5086932AA	PIC No.'S
CUMMINS No.'S	190-799A
4090084	
DENSO No.'S	
428000-1190	
428000-5940	

## TO FIT

DODGE	RAM PICKUPS	5.9L L6	2003	2006
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## SOLENOID

### PART NO. P-9810



O.E.M. NO.  
DENSO No.'S  
153400-8240

## ARMATURE

### PART NO. AM-6052



O.E.M. NO.  
DENSO No.'S  
028200-1780  
028200-1900  
028200-6230  
ISUZU No.'S  
5-81121-022-0

Cum. OD	36mm
No. of Splines	9T
Note	With Bearing
OD	60mm
Overall Length	187mm
Voltage	12V

## BRUSH HOLDER

### PART NO. SH-6052



O.E.M. NO.  
ISUZU No.'S  
5-81118-013-0  
KUBOTA No.'S  
15451-63381  
TOYOTA No.'S  
28140-77090

Voltage	12V
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## STARTER DRIVE

### PART NO. SD-5071



O.E.M. NO.  
DENSO No.'S  
028300-2040  
028300-5670  
028300-7802

Overall Length	146mm
Pinion OD	39.6mm
Rotation	CW
Teeth	13T

## STARTER DRIVE

### PART NO. SD-5170



O.E.M. NO.  
DENSO No.'S  
028300-1971  
028300-5380  
028300-5381  
028300-5390  
028300-5391  
JOHN DEERE No.'S  
CH12485

ID	16.5mm
No. of Splines	5SPL
Overall Length	92mm
Rotation	CW

## STARTER DRIVE

### PART NO. SD-5271



O.E.M. NO.  
DENSO No.'S  
028099-3230

ID	16.9mm
No. of Splines	16SPL
Overall Length	36mm
Pinion OD	39.6mm
Rotation	CW
Teeth	13T

## STARTER

### STR-6099



STR-6099	
Starter Type:	
Starter Model:	STR-6099
Rated Power:	2.50 kW
Rated Voltage:	12.00 V
Free Run Speed:	5873 RPM
Free Run Current:	136 Amp
Max Of Power:	2.78 kW
Max Of Torque:	27.00 Nm
Max Of Current:	733 Amp
Temp:	19 Amp
Direction:	CW
HoldCurrent:	17 Amp
PullCurrent:	52 Amp
VoltageDrop:	0.6006 V

PASS

Performance Curve

Power	2.7KW
Rotation	CW
Teeth	13T
Voltage	12V

## CROSS REFERENCE

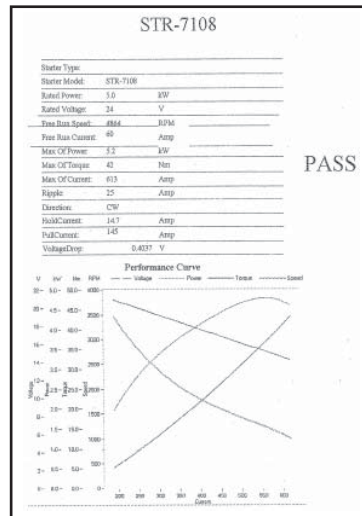
DENSO No.'S	PIC No.'S
228000-6980	190-6044
228000-6981	
INTERNATIONAL No.'S	
2585259C91	

## TO FIT

CASE	
CUMMINS	3.9L Dsl.
CUMMINS	5.9L Dsl.
FORD	
INTERNATIONAL	
NAVISTAR	5.9L, 6B
VERSATILE	

## STARTER

### STR-7108



Power	5.0KW
Rotation	CW
Teeth	10T
Voltage	24V

## CROSS REFERENCE

MITSUBISHI No.'S	LESTER No.'S
32B66-00200	18246
32B66-00202	PIC No.'S
32B66-00203	103-312
32B66-20100	
M008T60371	
M008T60372	
M008T60373	
M8T60371	
M8T60372	
M8T60373	

## TO FIT

MITSUBISHI	FD-35D	S6E
MITSUBISHI	FD-35D2	S6S
MITSUBISHI	FD-35DS	S6E
MITSUBISHI	FD-38	S6S
MITSUBISHI	FD-40D	S6E
MITSUBISHI	FD-40D2	S6S
MITSUBISHI	FD-45D	S6E
MITSUBISHI	FD-45D2	S6S
MITSUBISHI	FD-50C	S6E
MITSUBISHI	FD-50C-D	S6S
MITSUBISHI FUSO	FK330	

## ARMATURE

### PART NO.

### AM-7107-1

### O.E.M. NO.

MITSUBISHI No.'S  
M105X43671  
ME701446



Cum. OD	32mm
No. of Splines	13T
Note	W/O BEARING
OD	53.6mm
Overall Length	170.8mm
Voltage	24V

## BRUSH HOLDER

### PART NO.

### SH-7107

### O.E.M. NO.

MITSUBISHI No.'S  
M649X20671  
M649X21771  
ME101448  
ME701448



Voltage	24V
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### VOLTAGE REGULATOR

#### YR-6567



Ctr. To Ctr. Mtg. Ho	63.5mm
Voltage	28V

### CROSS REFERENCE

DENSO No.'S  
126000-2070

### TO FIT

CATERPILLAR 914G

### FOR ALTERNATOR

ALT-6182

### RECTIFIER

#### REC-5662



### CROSS REFERENCE

mitsubishi No.'S  
A860X47970  
ME701378

### TO FIT

MITSUBISHI FUSO AERO STAR MP717  
MITSUBISHI FUSO CNG  
MITSUBISHI FUSO FIGHTER FH21G  
MITSUBISHI FUSO KV20J  
MITSUBISHI FUSO SUPER GREAT FP50J  
MITSUBISHI FUSO Z-GREAT FN427

### FOR ALTERNATOR

ALT-3351  
ALT-3352

### RECTIFIER

#### REC-9571



3-NO.8-32UNC

### CROSS REFERENCE

DELCO No.'S  
10467052  
D3990

### TO FIT

BLUEBIRD VARIOUS MODELS  
CHEVROLET/GMC VARIOUS MODELS  
FORD VARIOUS MODELS  
FREIGHTLINER VARIOUS MODELS  
INTERNATIONAL VARIOUS MODELS  
KENWORTH VARIOUS MODELS

### FOR ALTERNATOR

ALT-1002 ALT-1008  
ALT-1003  
ALT-1004  
ALT-1005  
ALT-1006

### BRUSH HOLDER

#### BH-1505



### CROSS REFERENCE

### TO FIT

CATERPILLAR 3116  
CUMMINS ISB  
FORD B600  
FORD F900  
INTERNATIONAL DT360  
NAVISTAR DT466

### FOR ALTERNATOR

ALT-1280  
ALT-1281  
ALT-1282

Voltage	12V
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