



*Unique Quality · Unique Value · Unipoint*

*Rotating Electrical*  
**NEW PRODUCT HIGHLIGHTS**

**2012 FEB. / NEWS.121**

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



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Dear Valued Customers,

**Please find attached Unipoint "New Product Highlights" for Feb. 2012, featuring our newest additions for Rotating Electrical Line.**

We would like to introduce to you our new units as ALT-3086A, ALT-6183A, STR-2321 & STR-7133.

■ **Replacement for Mitsubishi Type**

**ALT-3086A:** 12V, 90A. Used on Nissan Cabstar 3.5T truck & van.

**STR-7133:** 24V, 3.7kW. Used on Mitsubishi Fuso Canter, Fighter, Rosa & Nissan Civilian trucks and Minibus.

■ **Replacement for Denso Type**

**ALT- 6183A:** 24V, 70A. Used on Toyota Dyna 15B truck.

■ **Replacement for Bosch Type**

**STR-2321:** 24V, 4.0kW. Used on China Yuchai 6108 & 6112 engines for trucks.

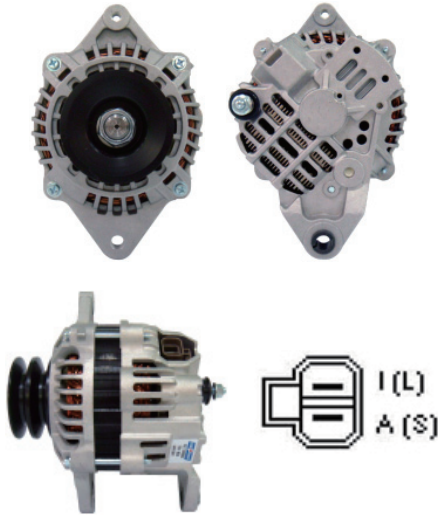
You can find the detailed spec, cross reference numbers & applications from our Unipoint News #121. Also, all the data have been updated to our website catalog:[www.unipoint.com.tw](http://www.unipoint.com.tw)

**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-3086A



**ALT-3086A** PASS  
17192013 840

Description: **12V, 90A, CW**

This alternator has an internal voltage regulator.  Plug Code: 500

Manufacturer Application: S1, Hatch, Mitsubishi Over Shape Plug

| Test Results Table:                |                 |
|------------------------------------|-----------------|
| Maximum Alternator Output          | Amps 110.1      |
| Maximum Output Power               | Watts 1421      |
| Voltage Reg Point                  | Volts 14.45     |
| Voltage Reg Point (Hot)            | Volts 14.45     |
| Leakage Current                    | mAmps 0.05      |
| Leakage Current (Hot)              | mAmps 0.75      |
| Slipless Current                   | Amps 26.8       |
| Alternator Turns On Speed          | RPM 1149        |
| Field back to zero point @ 2500RPM | Volts 6.17      |
| Regulator set-point voltage        | Volts 13.1      |
| Performance Frequency              | Hz 0            |
| Beats / Voltage                    | Volts 0.2       |
| Brush / Pul. Delay                 | Sec. 0.0        |
| LAMP Delay                         | Sec. 0.0        |
| LAMP Cycle                         | Hz/Time 100/100 |
| LAMP Type                          | Rotational      |

| Output Current Table:      |          |
|----------------------------|----------|
| Output Current at 1000 RPM | Amps 48  |
| Output Current at 1500 RPM | Amps 69  |
| Output Current at 2000 RPM | Amps 85  |
| Output Current at 2500 RPM | Amps 95  |
| Output Current at 3000 RPM | Amps 105 |
| Output Current at 3500 RPM | Amps 108 |
| Output Current at 4000 RPM | Amps 108 |
| Output Current at 4500 RPM | Amps 108 |
| Output Current at 5000 RPM | Amps 110 |

Output (Amps) vs. RPM (rpm) graph showing Alternator Performance Curve. The graph shows output current increasing from approximately 48A at 1000 RPM to 110A at 5000 RPM. Below the graph is a waveform labeled 'Alpha Pattern'.

|               |          |
|---------------|----------|
| Amperage      | 90A      |
| Pulley Groove | 2 Groove |
| Rotation      | CW       |
| Voltage       | 12V      |

## CROSS REFERENCE

N/A

## TO FIT

NISSAN CABSTAR 3.5T

## ALTERNATOR

### ALT-6183A



**ALT-6183A** PASS 11600111380

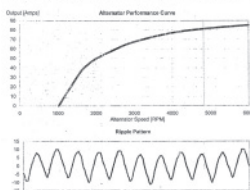
Description: **24V, 70A, CW** Plug Code: 0

This alternator has an internal voltage regulator.

Terminals / Application: Universal - plug with 5 wires (BET-Series) Pintra produced by "to-leaf" Fuse

| Test Results Table:                       |             |
|---|-------------|
| Maximum Alternator Output:                | Amps 65.2   |
| Maximum Output Power:                     | Watts 2128  |
| Voltage Not Under Load:                   | Volts 27.84 |
| Voltage Not Under Load (Hot):             | Volts 27.83 |
| Load Regulation:                          | Amps 1.30   |
| Load Regulation (Hot):                    | Amps 1.00   |
| Regulation:                               | Amps 21.0   |
| Alternator Turn-On Speed:                 | RPM 900     |
| Field Insulation to Computer / @ 2000RPM: | Volts 0.17  |
| Regulator regulation voltage:             | Volts 0.17  |
| Transformer Frequency:                    | Hz 0        |
| Stator Voltage:                           | Volts 0.0   |
| Soft Start Delay:                         | Sec. 0.0    |
| L.S. Delay:                               | Sec. 0.0    |
| Lamp Style:                               | Standard    |
| Lamp Type:                                | Standard    |

| Output Current Table:       |         |
|-----------------------------|---------|
| Output Current at 1000 RPM: | Amps 36 |
| Output Current at 1500 RPM: | Amps 44 |
| Output Current at 2000 RPM: | Amps 50 |
| Output Current at 2500 RPM: | Amps 55 |
| Output Current at 3000 RPM: | Amps 60 |
| Output Current at 3500 RPM: | Amps 65 |
| Output Current at 4000 RPM: | Amps 70 |
| Output Current at 4500 RPM: | Amps 75 |
| Output Current at 5000 RPM: | Amps 80 |



|               |          |
|---------------|----------|
| Amperage      | 70A      |
| Pulley Groove | 2 Groove |
| Rotation      | CW       |
| Voltage       | 24V      |

## CROSS REFERENCE

DENSO No.'S  
102211-0470  
TOYOTA No.'S  
27060-59390

## TO FIT

TOYOTA DYNA 15B

## VOLTAGE REGULATOR

### PART NO. YR-6569

O.E.M. NO.  
DENSO No.'S  
126000-2390  
126000-7120  
TOYOTA No.'S  
27700-58040  
27700-58060



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

## RECTIFIER

### PART NO. REC-6171L

O.E.M. NO.  
DENSO No.'S  
021580-4700



|    |       |
|----|-------|
| OD | 113mm |
|----|-------|

## BRUSH HOLDER

### PART NO. BH-635

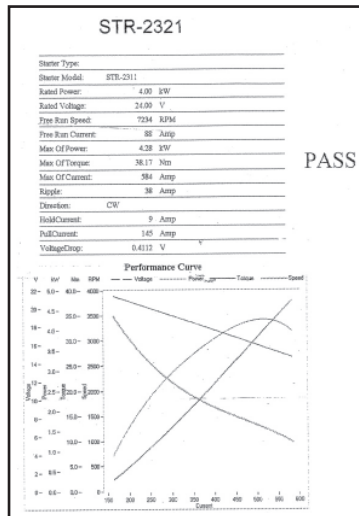
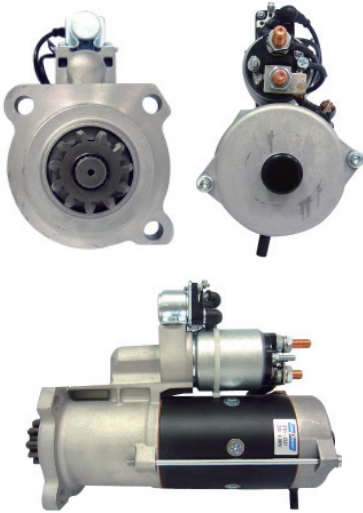
O.E.M. NO.  
DENSO No.'S  
021620-2530  
021620-2720  
HONDA No.'S  
31105-PD1-034  
31105-PR7-A01  
31105-PT0-003  
TOYOTA No.'S  
27370-42010  
27370-75060



|         |        |
|---------|--------|
| Voltage | 12/24V |
|---------|--------|

## STARTER

### STR-2321



|          |       |
|----------|-------|
| Power    | 4.0KW |
| Rotation | CW    |
| Teeth    | 11T   |
| Voltage  | 24V   |

## CROSS REFERENCE

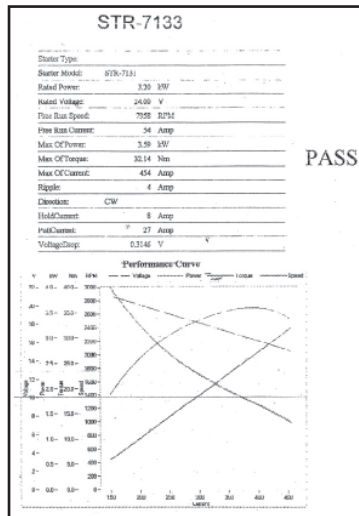
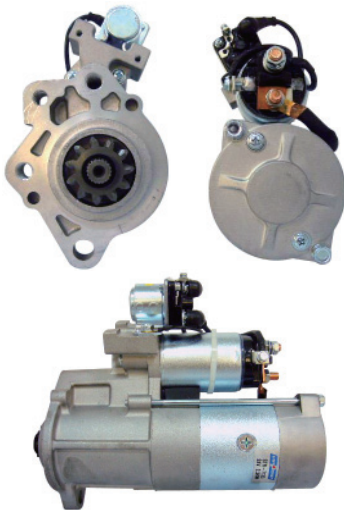
XIANGFAN No.'S  
A70-3708010B  
QD2702

## TO FIT

|        |      |
|--------|------|
| YUCHAI | 6108 |
| YUCHAI | 6112 |

## STARTER

### STR-7133



|          |       |
|----------|-------|
| Power    | 3.7KW |
| Rotation | CW    |
| Teeth    | 11T   |
| Voltage  | 24V   |

## CROSS REFERENCE

MITSUBISHI No.'S  
M008T85271B  
M008T85771  
M8T85271B  
ME221562  
ME225158  
ME241359

## TO FIT

|                 |          |                 |
|-----------------|----------|-----------------|
| MITSUBISHI FUSO | CANTER   | FE50E 4M51, 24V |
| MITSUBISHI FUSO | CANTER   | FE69E 4M51, 24V |
| MITSUBISHI FUSO | CANTER   | FE70D 4M50T     |
| MITSUBISHI FUSO | CANTER   | FE82E 4M51      |
| MITSUBISHI FUSO | CANTER   | FG70D 4M50T3    |
| MITSUBISHI FUSO | CANTER   | FG73E 4M51      |
| MITSUBISHI FUSO | CANTER   | FG82D 4M50T3    |
| MITSUBISHI FUSO | FIGHTER  | FK71D 4M50T1    |
| MITSUBISHI FUSO | ROSA     | BE63D 4M50T     |
| MITSUBISHI FUSO | ROSA     | BG64E 4M51      |
| NISSAN          | CIVILIAN | AHW41 4M50T     |
| NISSAN          | CIVILIAN | AJW41 4M50T     |

## ARMATURE

### PART NO.

### AM-7131



### O.E.M. NO.

MITSUBISHI No.'S  
M105X43771  
M106X43772  
ME701492

|                |              |
|----------------|--------------|
| Cum. OD        | 32mm         |
| No. of Splines | 13T          |
| Note           | WITH BEARING |
| OD             | 53.6mm       |
| Overall Length | 141.3mm      |
| Voltage        | 24V          |

## BRUSH HOLDER

### PART NO.

### SH-7131



### O.E.M. NO.

MITSUBISHI No.'S  
M649X20771  
ME701495

|         |     |
|---------|-----|
| Voltage | 24V |
|---------|-----|

## CORRECTION

### RECALL / REMOVE

As the YR-5568 listed on Unipoint Jan. 2011 news#115 is not OE compatible, we will not sell individually.

#### **YR-5568 (news.115)**



### SPEC CHANGE

Please update and correct the following specs in Unipoint Dec. 2011 new#120.

#### **ALT-0135 (news.120)**

60A Change to 55A

