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Rotating Electrical
NEW PRODUCT HIGHLIGHTS

2010 JUN. / NEWS.112

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 June 2010, featuring our newest additions for Rotating Electrical Line.

We would like to introduce to you our new units as ALT-0139, ALT-3301, ALT-6183, STR-0123, STR-2372, STR-2374, STR-3200 & STR-7030A.

Replacement for Sawafuji Type

ALT-0139: 24V, 55A. Used on Hino Trucks 1995.

We have had the other unit number ALT-0136 on the same family.

Replacement for Denso Type

ALT-6183: 24V, 60A. Used on Toyota Coaster Minibus.

Replacement for Mitsubishi Type

ALT-3301: 12V, 80A. This is of a brushless type alternator. Used on Mitsubishi Fuso FE, FG & FH series trucks.

STR-3200: 12V, 1.9KW. Used on Opel small / large family cars, Saab sedan & Cadillac compact executive car.

STR-7030A: 12V, 2.2KW. Used on Mitsubishi Montero & Fuso Canter. This starter is same as STR-7030 but has an extra screw hole on DE housing for ground wire lead.

Replacement for Delco 38MT Type

After available of STR-0120, STR-0121, STR-0122, STR-0130, & STR-0131, we make the new number STR-0123 for various Medium & Heavy Duty Trucks & School Buses.

STR-0123: 12V, 4.6KW. Used on Freightliner, Sterling & Thomas Built.

Replacement for Bosch 372 Type

STR-2372: 24V, 6.2KW, Used on DAF Trucks, Cranes & Tractors.

STR-2374: 24V, 6.2KW, Used on Kassbohrer & Mercedes Benz Buses.

You can find the detailed spec, cross reference numbers & applications from our Unipoint News #112. Also, all the data have been updated to our website catalog: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-0139



ALT-0139 PASS
1010209 #102

Description: **24V, 55A, CW**

This alternator has an internal voltage regulator. PLUG CODE S

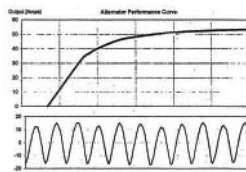
Terminals / Application: Universal (All) with 5 wires (BT-Series) Part is provided by "Mother" Plant

Test Results Table:

Maximum Alternator Output	Amperes	55.4
Maximum Output Power	Watts	1330
Voltage Not Field (VNF)	Volts	28.34
Voltage Not Field (VNF)	Volts	28.38
Leakage Current	µAmperes	2.83
Leakage Current (Load)	µAmperes	2.83
Regulator Current	Amperes	25.0
Alternator Turn On Speed	RPM	737
Field back to computer (BT-REG)PM	Volts	0.77
Regulator saturation voltage	Volts	0.17
Technician Frequency	Hz	1000
Stator Voltage	Volts	12.5
Stator Current	Amperes	5.8
LTC Delay	Milliseconds	1.5
Leakage Ohms		Infinite
Leakage Type		Standard

Output Current Table:

Output Current at 1500 RPM	Amperes	55
Output Current at 1800 RPM	Amperes	55
Output Current at 2000 RPM	Amperes	45
Output Current at 2500 RPM	Amperes	45
Output Current at 3000 RPM	Amperes	45
Output Current at 3500 RPM	Amperes	45
Output Current at 4000 RPM	Amperes	50
Output Current at 4500 RPM	Amperes	50



Amperage	55A
Pulley Groove	2 Groove
Rotation	CW
Voltage	24V

CROSS REFERENCE

HINO No.'S
27040-2062D
SAWAFUJI No.'S
0201-152-0716

TO FIT

HINO	J05C	1995
HINO	J05C-T1	1995
HINO	J08C	1995

ALTERNATOR

ALT-3301

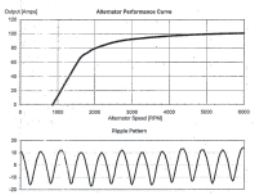


ALT-3301 PASS 11132010-8-12

Description: **12V, 80A, CW**

This alternator has an internal voltage regulator. Plug Code: 0

Parameter / Application	Unit	Value
Maximum Alternator Output	Amps	80.0
Maximum Output Power	Watts	1150
Voltage Set Point	Volts	14.50
Voltage Set Point (Hic)	Volts	14.50
Leakage Current	mA/Amps	0.05
Leakage Current @ 100°C	mA/Amps	0.05
Ripple Current	Amps	58.0
Alternator Turns Per Speed	RPM	1080
Field leads to controller @ 1500RPM	Volts	5.17
Regulator saturation voltage	Volts	5.17
Transducer Frequency	Hz	0
Stator Voltage	Volts	0.2
Soft Start Delay	Sec.	0.0
LRC Delay	Sec.	0.0
Loop Style	Active	
Loop Type	Standard	



Amperage	80A
Pulley Groove	2 Groove
Rotation	CW
Voltage	12V

CROSS REFERENCE

MITSUBISHI No.'S
A4TU0088
ME015237

LESTER No.'S
12233
PIC No.'S
203-186

TO FIT

MITSUBISHI FUSO	FE SERIES	3.3L 4D31-1AT	1995
MITSUBISHI FUSO	FE SERIES	3.9L 4D34-1AT	1995
MITSUBISHI FUSO	FE SERIES	3.9L 4D34-2AT	1996 1999
MITSUBISHI FUSO	FG SERIES	3.9L 4D34-1AT	1995
MITSUBISHI FUSO	FH SERIES	5.9L 6D34-0AT	1996 1997

VOLTAGE REGULATOR

PART NO.

YR-5561

O.E.M. NO.

MITSUBISHI No.'S
A866X28672



Ctr. To Ctr. Mtg. Ho	50mm
Voltage	14V

RECTIFIER

PART NO.

REC-5661

O.E.M. NO.

MITSUBISHI No.'S
A860X47870
ME701375



B+(M8x30mm)

OD	85mm
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ALTERNATOR

ALT-4230 (Correct the error from NEWS#111)



ALT-4230 PASS
20101010 0:03

Description: **12V, 120A, CW**
This alternator has an internal voltage regulator.

Partlink / Application: Universal plug with 5 wires (2B7-5C440) PartNo: 0

Test Results Table:

Maximum Alternator Output	Amps	138.2
Maximum Output Power	Watts	1739
Voltage Set Point	Volts	14.25
Voltage Set Point (Hot)	Volts	14.31
Leakage Current	mAmps	3.78
Leakage Current (Hot)	mAmps	3.87
Ripple Current	Amps	31.0
Alternator Turn-On Speed	RPM	1000
Field back to computer @ 1500RPM	Volts	0.17
Regulator excitation voltage	Volts	0.17
Transformer Frequency	Hz	0
Water voltage	Volts	0.0
Self Start Delay	Secs.	0.0
LAMP Delay	Secs.	0.0
Lamp Style	Active	
Lamp Type	Standard	

Output Current Table:

Output Current at 1000 RPM	Amps	65
Output Current at 1500 RPM	Amps	85
Output Current at 2000 RPM	Amps	100
Output Current at 2500 RPM	Amps	110
Output Current at 3000 RPM	Amps	120
Output Current at 4000 RPM	Amps	130
Output Current at 5000 RPM	Amps	138

Output (Watts) vs. Alternator Speed (RPM) graph showing a curve that rises from ~100W at 1000 RPM to ~1700W at 5000 RPM.

Ripple Pattern graph showing a regular oscillating waveform.

Amperage	120A
Pulley Groove	w/o pulley
Rotation	CW
Voltage	12V

CROSS REFERENCE

DENSO No.'S 102211-8640 102211-8650	OPEL No.'S 73503235 GM No.'S 13117340 13117341 13117341AA	LESTER No.'S 23806 23807 PIC No.'S 290-5476 290-5477
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TO FIT

OPEL	ASTRA H	1.9L CDTI	2004
OPEL	ASTRA H	1.9L CDTI AT	2004
OPEL	VECTRA	1.9L T DSL.	2004
OPEL	VECTRA C	1.9L CDTI	2004
OPEL	VECTRA C	1.9L CDTI AT	2004

ALTERNATOR

ALT-4230U with ORC pulley



ALT-4230U PASS
20101010 0:03

Description: **12V, 120A, CW**
This alternator has an internal voltage regulator.

Partlink / Application: Universal plug with 5 wires (2B7-5C440) PartNo: 0

Test Results Table:

Maximum Alternator Output	Amps	138.2
Maximum Output Power	Watts	1739
Voltage Set Point	Volts	14.25
Voltage Set Point (Hot)	Volts	14.31
Leakage Current	mAmps	3.78
Leakage Current (Hot)	mAmps	3.87
Ripple Current	Amps	31.0
Alternator Turn-On Speed	RPM	1000
Field back to computer @ 1500RPM	Volts	0.17
Regulator excitation voltage	Volts	0.17
Transformer Frequency	Hz	0
Water voltage	Volts	0.0
Self Start Delay	Secs.	0.0
LAMP Delay	Secs.	0.0
Lamp Style	Active	
Lamp Type	Standard	

Output Current Table:

Output Current at 1000 RPM	Amps	65
Output Current at 1500 RPM	Amps	85
Output Current at 2000 RPM	Amps	100
Output Current at 2500 RPM	Amps	110
Output Current at 3000 RPM	Amps	120
Output Current at 4000 RPM	Amps	130
Output Current at 5000 RPM	Amps	138

Output (Watts) vs. Alternator Speed (RPM) graph showing a curve that rises from ~100W at 1000 RPM to ~1700W at 5000 RPM.

Ripple Pattern graph showing a regular oscillating waveform.

Amperage	120A
Pulley Groove	6 Groove
Rotation	CW
Voltage	12V

CROSS REFERENCE

DENSO No.'S 102211-8640 102211-8650	OPEL No.'S 73503235 GM No.'S 13117340 13117341 13117341AA	LESTER No.'S 23806 23807 PIC No.'S 290-5476 290-5477
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TO FIT

OPEL	ASTRA H	1.9L CDTI	2004
OPEL	ASTRA H	1.9L CDTI AT	2004
OPEL	VECTRA	1.9L T DSL.	2004
OPEL	VECTRA C	1.9L CDTI	2004
OPEL	VECTRA C	1.9L CDTI AT	2004

ALTERNATOR

ALT-6183



ALT-6183 PASS
4/13/2010 14:10

Description: **24V, 60A, CW**

This alternator has an internal voltage regulator. Plug Code: 0

Terminal / Application:	Universal - plug with 5-meter (J&T-Series) protected by "in-line" Fuse	Part No.
Test Results Table:		
Maximum Alternator Output:	Amps	61.8
Maximum Output Power:	Watts	1464
Voltage Set Point:	Volts	13.95
Voltage Set Point (Hot):	Volts	13.95
Leakage Current:	mAmps	1.16
Leakage Current (Hot):	mAmps	1.02
Stator Current:	Amps	25.0
Alternator Turn On Speed:	RPM	707
Field excite (at 1000RPM) @ 13.95VDC:	Volts	3.17
Regulator activation voltage:	Volts	3.17
Field Excite Frequency:	Hz	0
Stator Voltage:	Volts	6.2
Lock Out Delay:	Sec.	0.0
ESC Delay:	Sec.	0.0
Lamp Pulse:	Hz/Sec	100/Sec
Lamp Type:	Standard	
Output Current Table:		
Output Current at 1800 RPM:	Amps	34
Output Current at 1800 RPM:	Amps	39
Output Current at 2000 RPM:	Amps	41
Output Current at 2500 RPM:	Amps	49
Output Current at 2800 RPM:	Amps	53
Output Current at 4500 RPM:	Amps	60
Output Current at 5500 RPM:	Amps	60
Output Current at 6500 RPM:	Amps	62

Output (Watts) vs. Alternator Speed (RPM) graph showing a curve that rises from 0 at 0 RPM to approximately 1400W at 6500 RPM.

Wave Pattern graph showing a regular sine wave oscillating between approximately -1 and 1.

Amperage	60A
Pulley Groove	2 Groove
Rotation	CW
Voltage	24V

CROSS REFERENCE

DENSO No.'S	LESTER No.'S
100211-6240	23934
100211-6250	PIC No.'S
100211-6260	290-5462
TOYOTA No.'S	911-555
27060-17120	
27060-58150	
27060-58230	
27060-58250	

TO FIT

TOYOTA	COASTER	Dsl.
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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
 126000-2070



OD	113mm
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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



STARTER

STR-0123



STR-0123	
Starter Type:	
Starter Model:	STR-0123
Rated Power:	4.60 KW
Rated Voltage:	12.00 V
Pinion Run Speed:	4966 RPM
Pinion Run Current:	173 Amp
Max. O/P Power:	4.93 KW
Max. O/P Torque:	46.37 Nm
Max. O/P Current:	1238 Amp
Pinion:	37 Amp
Direction:	CW
Hold Current:	31 Amp
Pull Current:	260 Amp
Voltage Drop:	0.5489 V

PASS

Performance Curve

Power	4.6KW
Rotation	CW
Teeth	11T
Voltage	12V

CROSS REFERENCE

DELCO No.'S	LESTER No.'S
19026035	6831
8200075	PIC No.'S
8300026	141-473

TO FIT

FREIGHTLINER	FL 50	MBE900	2000	2004
FREIGHTLINER	FL 60	MBE900	2000	2004
FREIGHTLINER	FL 70	MBE900	2000	2005
FREIGHTLINER	FL 80	MBE900	2000	2004
STERLING	ACTERRA 6500	MBE900	2001	2007
STERLING	ACTERRA 7500	MBE900	2001	2007
STERLING	ACTERRA 8500	MBE900	2001	2007
STERLING	L-LINE 7500	MBE900	2006	2007
STERLING	L-LINE 8000	MBE900	2006	2007
STERLING	L-LINE 8500	MBE900	2006	2007
STERLING	L-LINE 9500	MBE900	2006	2007
THOMAS BUILT		MBE926		

SOLENOID

PART NO.
SNLS-1775

O.E.M. NO.
DELCO No.'S
10512093



No. of Terminal	3 Terminal
Voltage	12V

ARMATURE

PART NO.
AM-0120

O.E.M. NO.
DELCO No.'S
10511844



Cum. OD	39mm
No. of Splines	20
Note	With Bearing
OD	65mm
Overall Length	205.2mm
Voltage	12V

BRUSH HOLDER

PART NO.
SH-0120



Voltage	12V
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STARTER DRIVE

PART NO.
SD-3183



No. of Splines	6SPL
Overall Length	144.3mm
Rotation	CW
Teeth	23T

STARTER DRIVE

PART NO.
SD-3284

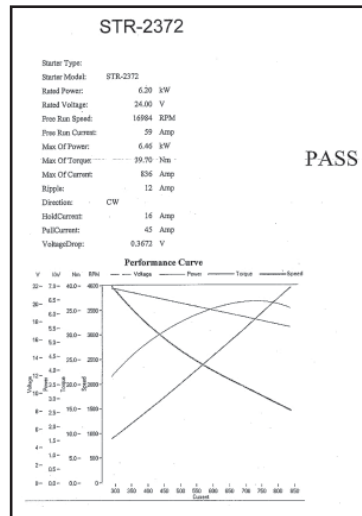
O.E.M. NO.
DELCO No.'S
10512092



ID	16.8mm
No. of Splines	23SPL
Overall Length	26mm
Pinion OD	40.5mm
Rotation	CW
Teeth	11T

STARTER

STR-2372



Power	6.2KW
Rotation	CW
Teeth	11T
Voltage	24V

CROSS REFERENCE

BOSCH No.'S	LESTER No.'S
0-001-371-010	30107
0-001-372-002	PIC No.'S
0-001-372-007	120-6201A
0-986-018-780	920-110
DAF No.'S	
1317220	
1318615	
1357210	

TO FIT

DAF	95XF	1997
DAF	CF85.340	2001
DAF	CF85.380	2001
DAF	CF85.430	2001

ARMATURE

PART NO. AM-2370-1



O.E.M. NO.
 BOSCH No.'S
 2-004-014-034
 DAF No.'S
 1341237
 MERCEDES BENZ No.'S
 000-151-60-15

Cum. OD	45mm
No. of Splines	19
Note	w/o Bearing
OD	75mm
Overall Length	369.4mm
Voltage	24V

STARTER DRIVE

PART NO. SD-2192



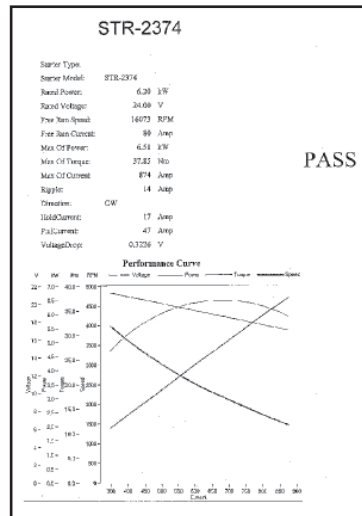
O.E.M. NO.
 BOSCH No.'S
 2-006-202-010
 2-006-202-011
 MERCEDES BENZ No.'S
 000-150-10-31

DAF No.'S
 1337448

ID	15.95mm
No. of Splines	19SPL
Overall Length	118mm
Pinion OD	41.6mm
Rotation	CW
Teeth	11T

STARTER

STR-2374



Power	6.2KW
Rotation	CW
Teeth	11T
Voltage	24V

CROSS REFERENCE

BOSCH No.'S	LESTER No.'S
0-001-372-005	30114
0-986-020-880	PIC No.'S
MERCEDES BENZ No.'S	120-6226
457-151-03-01	920-120

TO FIT

KASSBOHRER	S313UL	12.0L	2001
KASSBOHRER	S319NF	12.0L	2001
KASSBOHRER	S415GT SETRA	12.0L	2003
KASSBOHRER	S415GT-HD SETRA	12.0L	2003
KASSBOHRER	SG321UL	12.0L	2001
MERCEDES BENZ	O345 CONECTO	12.0L	2001
MERCEDES BENZ	O345G	12.0L	2001
MERCEDES BENZ	O530CNG CITARO	12.0L	2006
MERCEDES BENZ	O530N3 CITARO	12.0L	1998 2006
MERCEDES BENZ	O550L INTEGRO	12.0L	2001 2006
MERCEDES BENZ	O550UH INTEGRO	12.0L	2001 2006
MERCEDES BENZ	TOURISMO 15RHD	12.0L	1999 2004

ARMATURE

PART NO.

AM-2370-1



O.E.M. NO.

BOSCH No.'S
2-004-014-034
DAF No.'S
1341237
MERCEDES BENZ No.'S
000-151-60-15

Cum. OD	45mm
No. of Splines	19
Note	w/o Bearing
OD	75mm
Overall Length	369.4mm
Voltage	24V

STARTER DRIVE

PART NO.

SD-2192



O.E.M. NO.

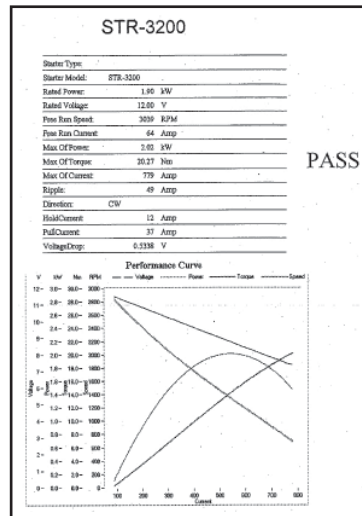
BOSCH No.'S
2-006-202-010
2-006-202-011
MERCEDES BENZ No.'S
000-150-10-31

DAF No.'S
1337448

ID	15.95mm
No. of Splines	19SPL
Overall Length	118mm
Pinion OD	41.6mm
Rotation	CW
Teeth	11T

STARTER

STR-3200



Power	1.9KW
Rotation	CW
Teeth	10T
Voltage	12V

CROSS REFERENCE

MITSUBISHI No.'S	LESTER No.'S
M001T30171	33173
M1T30171	PIC No.'S
OPEL No.'S	103-541
55352882	103-5244

TO FIT

CADILLAC	BLS	1.9L TD	2006
OPEL	ASTRA H	1.9L CDTI GTC	2005
OPEL	INSIGNIA	2.0L CDTI	2008
OPEL	SIGNUM	1.9L CDTI	2004 2008
OPEL	VECTRA C	1.9L CDTI	2004 2008
OPEL	ZAFIRA B	1.9L CDTI	2005
SAAB	9.3	1.9L TID	2006
VAUXHALL	ASTRA H	1.9L CDTI	2004
VAUXHALL	INSIGNIA	2.0L CDTI	2008
VAUXHALL	SIGNUM	1.9L CDTI	2004
VAUXHALL	VECTRA C	1.9L CDTI	2004 2008
VAUXHALL	ZAFIRA B	1.9L CDTI	2005

ARMATURE

PART NO.

AM-3200



Cum. OD	29.2mm
No. of Splines	23
Note	With Bearing
OD	57.2mm
Overall Length	118.7mm
Voltage	12V

BRUSH HOLDER

PART NO.

SH-3200



Voltage	12V
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STARTER DRIVE

PART NO.

SD-3021



ID	10mm
No. of Splines	8SPL
Overall Length	105.2mm
Pinion OD	31.6mm
Rotation	CW
Teeth	10T

PART NO.

SD-3101



ID	12mm
No. of Splines	8SPL
Overall Length	51mm
Pinion OD	31.6mm
Rotation	CW
Teeth	10T

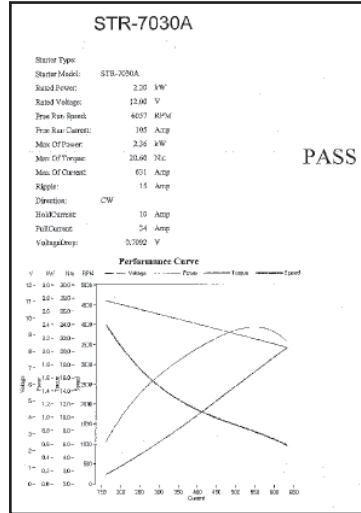
O.E.M. NO.

MAZDA No.'S
F214-18-X25
MITSUBISHI No.'S
M191T12171
M191T13271

NISSAN No.'S
23354-20R10
FORD No.'S
E92Z-11350-A
E92Z-11350-B
SDE335
SDE336
SDE342

STARTER

STR-7030A



Power	2.2KW
Rotation	CW
Teeth	10T
Voltage	12V

CROSS REFERENCE

MITSUBISHI No.'S
 M8T75071
 M8T75071A
 M8T75073
 M8T75073A
 ME201650
 ME202424
 ME202970
 ME204424
 ME204425

TO FIT

MITSUBISHI	MONTERO	2.80 TD(V46W)	1995	2000
MITSUBISHI	MONTERO	3.2 DI-D	2000	2001
MITSUBISHI	PAJERO	2.80 TD(V46W)	1995	2000
MITSUBISHI	PAJERO	3.20 DI-D	2000	2001
MITSUBISHI	SHOGUN	2.80 TD (V46W)	1995	2000
MITSUBISHI	SHOGUN	3.20 DI-D	2000	2001
MITSUBISHI FUSO	CANTER	1995		

SOLENOID

PART NO.

SNLS-6073

O.E.M. NO.

MITSUBISHI No.'S
 M371XA0273
 M371XA0274
 MD618972
 ME701462



No. of Terminal	3 Terminal
Voltage	12V

ARMATURE

PART NO.

AM-7030

O.E.M. NO.

MITSUBISHI No.'S
 M106X43571
 ME701464



Cum. OD	32.4mm
No. of Splines	13
Note	With Bearing
OD	53.6mm
Overall Length	141.3mm
Voltage	12V

BRUSH HOLDER

PART NO.

SH-7030

O.E.M. NO.

MITSUBISHI No.'S
 M649X20471
 ME701467



Voltage	12V
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STARTER DRIVE

PART NO.

SD-3039

O.E.M. NO.

MITSUBISHI No.'S
 M357X91171
 M357X91971
 M357X91973
 ME701456
 ME701640
 ME701911



No. of Splines	10SPL
Rotation	CW
Teeth	10T

STARTER DRIVE

PART NO.

SD-3246

O.E.M. NO.

MITSUBISHI No.'S
 M605X95271
 ME701461



ID	13.6mm
No. of Splines	20SPL
Overall Length	20.2mm
Pinion OD	32.7mm
Rotation	CW
Teeth	10T

VOLTAGE REGULATOR

YR-17



Voltage	14V
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CROSS REFERENCE

PRESTOLITE No.'S
PDIE-4011

TO FIT

NISSAN TSURU

FOR ALTERNATOR

VOLTAGE REGULATOR

YR-867



Voltage	14V
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CROSS REFERENCE

TO FIT

CATERPILLAR	3116
CUMMINS	ISB
FORD	B600
INTERNATIONAL	DT360
NAVISTAR	DT466

FOR ALTERNATOR

ALT-1280
ALT-1281
ALT-1282

CORRECTION

Alternators & Starters & Components Catalogue 2009

DELETE OEM NUMBERS

The OEM numbers listed below are printed in our catalogue #CAT-ELE-2009 & CAT-ELEC-2009, which need **to be deleted**. Please make note and correct it from the catalogues you have in hand.

ALT-0102 (P.17)



51-26201-7192, 51-26201-7195

ALT-T145 (P.52)



0-120-689-515, 0-120-689-532, 005-154-84-02

SPEC CHANGE

Please update and correct the following specs in our catalogue # CAT-ELEC-2009.

STR-3114 (P.431)



1.2KW Change to 1.4KW

UPDATED OEM NUMBERS

The OEM numbers listed below are printed in our catalogue #CAT-ELE-2009 & CAT-ELEC-2009, which need **to be updated**. Please make note and correct it from the catalogues you have in hand.

ALT-T145 (P.52)



0-120-689-535, 0-986-038-290, 7-421-354-000, 008-154-78-02, 63630299

ALT-T145A (P.52)



0-120-689-535, 0-986-038-290, 7-421-354-000, 008-154-78-02, 63630299

Above corrections have been updated in web catalog: www.unipoint.com.tw/member