

NEW PRODUCT HIGHLIGHTS

University goes to Unipoint



Unipoint and the Cheng Shiu Engineering and Electronic Engineering University have agreed an interesting concept of education for engineers in Unipoint Electric, Taiwan. It is believed to be one of the first such collaborations in Taiwan and offers exciting benefits for Unipoint employees.

Unipoint Electric is funding the university to create a special course specifically designed around the needs and requirements of our particular production and product profile. The university will create a challenging course of study, which culminates in two years with a full Masters Degree in Engineering.

The course will cover all aspects of engineering, including electronic, electrical and mechanical, as well as specific interest in new product development, research, and design. As we described above, the course will be specially designed around the specific needs of Unipoint, our current processes as well as re-defining the needs of tomorrow. We believe this will offer our engineers a unique insight and learning curve to meet the needs, pressures of the fast moving, innovative industry we are involved in. Indeed some 35% of the course is dedicated to the future needs and requirements of our industry, thus preparing Unipoint for the future!

The course will run over two years and is taking place at the Taipei factory, where professors will have the special advantage of taking classes within the working environment of the factory. The chance to take part in this course was offered to the engineers in all positions within the factory, there were only 15 spaces and all were filled immediately. These engineers will spend evenings and weekends studying, continuing their normal work during the production week. At the end they will receive a full Masters Degree.

Continue...

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As you know, the automotive industry has lots of innovation going on, some of it we can see from the vehicles or magazines, some of it is still at the design stage, which indicates that the people in AM need to prepare themselves well before they can catch the path of change from OE. This is one of the major reasons we have this class of master degree opened in our factory, which is of great importance to those people that have been dealing with us as they put their future career with us, and it is with the strength of Unipoint which will be the sign that we do not remain still, as we invest for the future.



Unipoint firmly believe this unique collaboration will have profound benefits for the future production, research and development programs of Unipoint, pushing us further ahead of our competitors. We already have massive investment in tools and testing, bespoke production machinery, now we add to that impressive profile. A learning curve for future production, testing and research of our industry.



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NEW PRODUCT HIGHLIGHTS

ALT-1511 12V, 145A



Supplier: Taiwan Alternator
ALT-1511

S.T. 2703, 10, 14		1511
Manufacturer Part Name:		
Model	12V 145A	145A
Output	145A	145A
Voltage	12V	12V
Current	145A	145A
Power	1740W	1740W
Weight	2.5kg	2.5kg
Dimensions	110x110x110mm	110x110x110mm
Material	Aluminum	Aluminum
Finish	Black	Black
Notes	1. All dimensions are in mm. 2. All weights are in kg. 3. All materials are standard.	

O.E.M. NO.
10464476
15754097M
15754097A
15754097W
321-1845

TO FIT :

- AM GENERAL HUMMER H2 6.0L 2003-2004
- BUICK RAINIER 5.3L 2004
- CADILLAC ESCALADE 5.3L 2003-2004
- CHEVROLET LT TRUCKS AVALANCHE 5.3L 2003-2004
- CHEVROLET LT TRUCKS EXPRESS 4.3L 2003-2004
- CHEVROLET LT TRUCKS SILVERADO PICKUP 4.3L 2003-2004
- CHEVROLET LT TRUCKS SSR SPORT TRUCK 5.3L 2004
- CHEVROLET LT TRUCKS SUBURBAN 5.3L 2003-2004
- CHEVROLET LT TRUCKS TAHOE 4.8L 2003-2004
- GMCLT TRUCKS YUKON DENALI 6.0L 2003-2004
- GMCLT TRUCKS SAVANA VANS 4.3L 2003-2004
- GMCLT TRUCKS SIERRA PICKUP 4.3L 2003-2004

MAIN COMPONENTS USED FOR THIS ALTERNATOR

VOLTAGE REGULATOR

UNIPOINT NO.
YR-862
OEM NO.
10458200
10458201
10486311
10494747
19053013



RECTIFIER

UNIPOINT NO.
REC-971
OEM NO.
10494503



BRUSH HOLDER

UNIPOINT NO.
BH-1500
OEM NO.
10494476



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NEW PRODUCT HIGHLIGHTS

ALT-3022 12V, 80A



O.E.M. NO.
37300-22600
AB180128

TO FIT :
HYUNDAI ACCENT 1.5L 2000-2002
HYUNDAI ACCENT 1.6L 2001-2002
HYUNDAI ELANTRA 2.0L 2001-2002

ALT - 3022
Description: 12V, 80A, NEG

Terminal Application: 1000002 Plug with 1 wire LIFT-50000 Part 5
Indicated by "Tracer" Trace

Test Results Table	
Maximum Generator Output	80A @ 14.4V
Maximum Output Current	80A @ 14.4V
Output Voltage	14.4V
Output Current	80A
Regulator Voltage	14.4V
Regulator Current	80A
Regulator Voltage @ 1000 RPM	14.4V
Regulator Voltage @ 1500 RPM	14.4V
Regulator Voltage @ 2000 RPM	14.4V
Regulator Voltage @ 2500 RPM	14.4V
Regulator Voltage @ 3000 RPM	14.4V
Regulator Voltage @ 3500 RPM	14.4V
Regulator Voltage @ 4000 RPM	14.4V
Regulator Voltage @ 4500 RPM	14.4V
Regulator Voltage @ 5000 RPM	14.4V
Regulator Voltage @ 5500 RPM	14.4V
Regulator Voltage @ 6000 RPM	14.4V
Regulator Voltage @ 6500 RPM	14.4V
Regulator Voltage @ 7000 RPM	14.4V
Regulator Voltage @ 7500 RPM	14.4V
Regulator Voltage @ 8000 RPM	14.4V
Regulator Voltage @ 8500 RPM	14.4V
Regulator Voltage @ 9000 RPM	14.4V
Regulator Voltage @ 9500 RPM	14.4V
Regulator Voltage @ 10000 RPM	14.4V

Output Current Table:

Output Current	Output Voltage
0A	14.4V
10A	14.4V
20A	14.4V
30A	14.4V
40A	14.4V
50A	14.4V
60A	14.4V
70A	14.4V
80A	14.4V

Standard Performance Curve:

ALT-4207 12V, 90A



O.E.M. NO.
46428729
63321613
8EL737210-001

TO FIT :
FIAT BRAVO 1.8 1995-1996
FIAT MAREA 1.8 1996-2002
FIAT BRAVO 1.9 DIESEL TURBO TD 1996-2001
FIAT MAREA 1.9 DIESEL TURBO TD 1996-2002
FIAT MARENGO 1.9 DIESEL TURBO TD 1999-2002

ALT - 4207
Description: 12V, 90A, NEG

Terminal Application: 1000002 Plug with 1 wire LIFT-50000 Part 5
Indicated by "Tracer" Trace

Test Results Table	
Maximum Generator Output	90A @ 14.4V
Maximum Output Current	90A @ 14.4V
Output Voltage	14.4V
Output Current	90A
Regulator Voltage	14.4V
Regulator Current	90A
Regulator Voltage @ 1000 RPM	14.4V
Regulator Voltage @ 1500 RPM	14.4V
Regulator Voltage @ 2000 RPM	14.4V
Regulator Voltage @ 2500 RPM	14.4V
Regulator Voltage @ 3000 RPM	14.4V
Regulator Voltage @ 3500 RPM	14.4V
Regulator Voltage @ 4000 RPM	14.4V
Regulator Voltage @ 4500 RPM	14.4V
Regulator Voltage @ 5000 RPM	14.4V
Regulator Voltage @ 5500 RPM	14.4V
Regulator Voltage @ 6000 RPM	14.4V
Regulator Voltage @ 6500 RPM	14.4V
Regulator Voltage @ 7000 RPM	14.4V
Regulator Voltage @ 7500 RPM	14.4V
Regulator Voltage @ 8000 RPM	14.4V
Regulator Voltage @ 8500 RPM	14.4V
Regulator Voltage @ 9000 RPM	14.4V
Regulator Voltage @ 9500 RPM	14.4V
Regulator Voltage @ 10000 RPM	14.4V

Output Current Table:

Output Current	Output Voltage
0A	14.4V
10A	14.4V
20A	14.4V
30A	14.4V
40A	14.4V
50A	14.4V
60A	14.4V
70A	14.4V
80A	14.4V
90A	14.4V

Standard Performance Curve:

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NEW PRODUCT HIGHLIGHTS

ALT-4211 12V, 90A



O.E.M. NO.
63321252
63321283
63321295
63321396
63321625

TO FIT :
FIAT PUNTO 90 1993-1997

ALT-4211

Description: 12V, 90A, 140D

Test Results Table:	
Maximum excitation current	Approx 200
Maximum excitation voltage	Approx 14.5
Voltage Reg. Point	Approx 14.5
Load Reg. Point	Approx 14.5
Regulator Current	Approx 1.50
Regulator Voltage	Approx 14.5
Field to rotor (100%) @ 2000RPM	Approx 2.10
Regulator saturation voltage	Approx 5.10
Technique Frequency	50
Field Inductance	Approx 0.2
W/T Ratio	Approx 1.5
ARM Ratio	Approx 1.5
Load Reg.	Approx 0.05
Load Type	Approx 0.05
System Voltage	Approx 12V

Output Current Table:	
Output Current at 1000 RPM	Approx 80
Output Current at 1500 RPM	Approx 85
Output Current at 2000 RPM	Approx 90
Output Current at 2500 RPM	Approx 90
Output Current at 3000 RPM	Approx 90
Output Current at 3500 RPM	Approx 90
Output Current at 4000 RPM	Approx 90
Output Current at 4500 RPM	Approx 90
Output Current at 5000 RPM	Approx 90

ALT-4212 12V, 90A



O.E.M. NO.
63321239
63341239
YLE101530

TO FIT :
ROVER MGF 1.8i 1995-2003
ROVER 200, 400 1995-2000

Computer Testing Alternator

ALT-4212

1.0001.000 3005.00.00

Alternator Test Parameter	Results:
Maximum output power	1000 Watts
Maximum output current (I _o)	10.0 Amps
Voltage regulator set point	14.5 Volts
Voltage regulator set point (no)	14.5 Volts
Turn on speed (at indicator lamp on)	1200 RPM
Voltage regulator set point delay	1.0 Sec
Storage capacitor inductance	0.5 mH
Field voltage & excitation current	1.50 Volts

Voltage Regulator Function Test	
1. 1 INDICATOR LAMP CIRCUIT	OK

Output Current (Amps) vs. RPM graph

Web Site: <http://www.unipoint.com.tw>

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NEW PRODUCT HIGHLIGHTS

ALT-6099 12V, 130A



O.E.M. NO.
101211-7850
101211-7851
31100-P8F-A01

TO FIT :
HONDA ODYSSEY 1999-2001

COMPUTER TESTED ALTERNATOR
ALT-6099
 P.T. 0809, 10, 14 6099

ALTERNATOR TEST PARAMETERS	RESULTS
Maximum output power	1041 Watts @
Maximum output voltage Full load	14.1 Volts @
Maximum regulator set point	14.1 Volts @
Maximum regulator set point (Hot)	14.1 Volts @
Time to speed up 1000rpm (Hot)	1.4 Sec @
Maximum regulator set point (Cold)	14.1 Volts @
Time to speed up 1000rpm (Cold)	1.4 Sec @
Regulator activation voltage	11.2 Volts @
Minimum voltage regulation output	11.2 Volts @
System current loaded @ 11.2v	1.1 Amps @
Slip ring voltage @ maximum output	14.1 Volts @

Full-load regulator function test:	Results shown:
1 = regulator lamp control	yes @
2 = battery	yes @
3 = load test (in forward position)	yes @
4 = monitor terminal function	yes @

Output current tested at 11.2 volts

ALTERNATOR RPM	1000	1200	1500	1800	2000	2500
Output	60	90	120	130	140	150



*All readings show results are within manufacturing tolerance.

MAIN COMPONENTS USED FOR THIS ALTERNATOR

VOLTAGE REGULATOR

UNIPOINT NO.
YR-6101
 OEM NO.
 126000-2610



RECTIFIER

UNIPOINT NO.
REC-611
 OEM NO.
 021580-4250
 021580-4590



BRUSH HOLDER

UNIPOINT NO.
BH-635
 OEM NO.
 021620-2720



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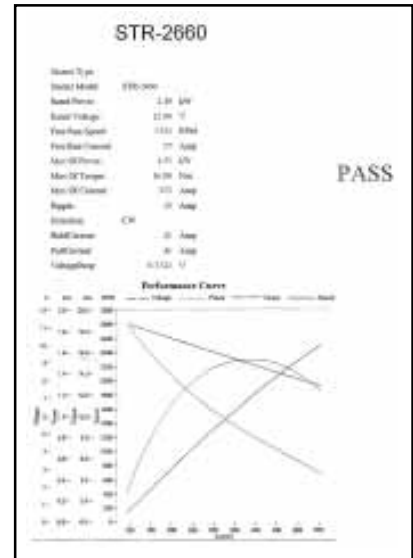
NEW PRODUCT HIGHLIGHTS

STR-2660 12V, 1.4KW (9 TEETH)



O.E.M. NO.
96208782
96550792

TO FIT:
DAEWOO LANOS 1.6L 1998-2002

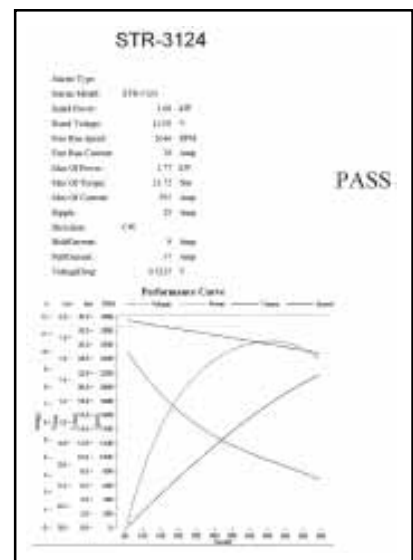


STR-3124 12V, 1.6KW (8 TEETH)



O.E.M. NO.
30024597
M1T85881ZC
31100-60AD0

TO FIT:
CHEV LT TRUCKS TRACKER 2.0L 2000-2003
SUZUKI VITARA 2.0L 2000-2003



Web Site: <http://www.unipoint.com.tw>

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TEL : 886-2-2705-2658

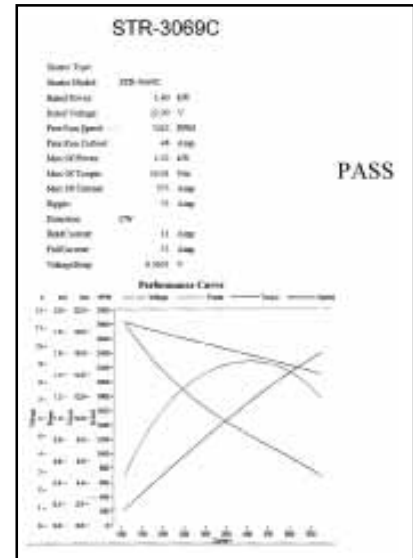
FAX : 886-2-2703-0188

E-MAIL: unipoint@unipoint.com.tw

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NEW PRODUCT HIGHLIGHTS

STR-3069C 12V, 1.4KW (10 TEETH)



O.E.M. NO.
56041013AB
M1T79483

TO FIT:
DODGE LT TRUCKSDAKOTA PICKUP 2.5L 1999
JEEP CHEROKEE 2.5L 1999-2000
JEEP WRANGLER 2.5L 1999-2000

MAIN COMPONENTS USED FOR THIS STARTER

SOLENOID
UNIPOINT NO.
SNLS-6074



Web Site: <http://www.unipoint.com.tw>

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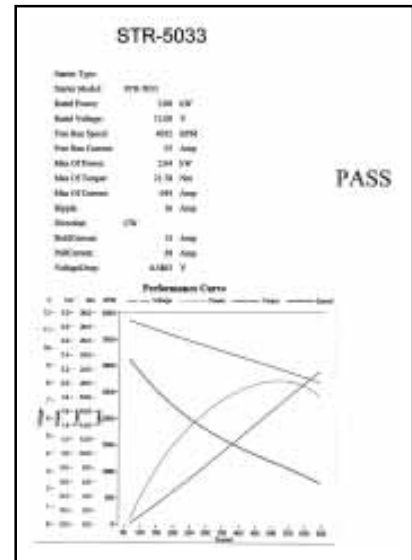
FAX : 886-2-2703-0188

E-MAIL: unipoint@unipoint.com.tw

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NEW PRODUCT HIGHLIGHTS

STR-5033 12V, 2.0KW (10 TEETH)



O.E.M. NO.
28100-31050
428000-1250

TO FIT:
 TOYOTA 4-RUNNER 4.0L 2003-2005
 TOYOTA TACOMA PICKUP 4.0L 2005
 TOYOTA TUNDRA PICKUP 4.0L 2005

MAIN COMPONENTS USED FOR THIS STARTER

SOLENOID

UNIPOINT NO.
P-503308



STARTER DRIVE

UNIPOINT NO.
SD-5055
 OEM NO.
 028300-2200
 028300-5490



ARMATURE

UNIPOINT NO.
AM-5016
 OEM NO.
 028200-6870



STARTER DRIVE

UNIPOINT NO.
SD-5102



BRUSH HOLDER

UNIPOINT NO.
SH-5016
 OEM NO.
 028510-5800



STARTER DRIVE

UNIPOINT NO.
SD-5255
 OEM NO.
 028099-7590



Web Site: <http://www.unipoint.com.tw>

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NEW PRODUCT HIGHLIGHTS

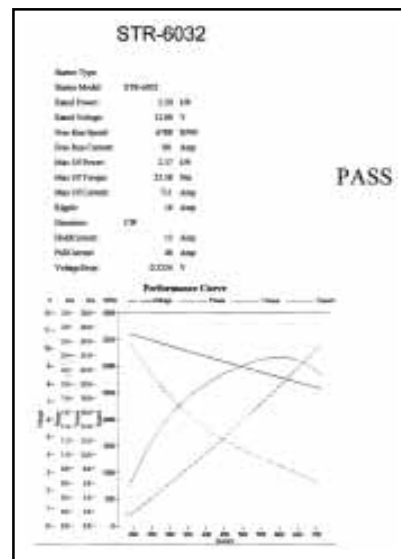
STR-6032 12V, 2.2KW (11 TEETH)



O.E.M. NO.
23300-57J13
M2T67871A
S13-131

TO FIT:

NISSAN	PRIMERA 2.0 DIESEL (P10)	1990-1993
NISSAN	PRIMERA (P10FACELIFT) 2.0D	1993-1996
NISSAN	SUNNY (B12) 1.7DIESEL	1986-1991
NISSAN	SUNNY (N14) 2.0DIESEL	1991-1995
NISSAN	ALMERA 2.0 DIESEL (N15)	1995-2000



MAIN COMPONENTS USED FOR THIS STARTER

SOLENOID

UNIPOINT NO.
SNLS-6611



ARMATURE

UNIPOINT NO.
AM-6032



BRUSH HOLDER

UNIPOINT NO.
SH-6032



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NEW PRODUCT HIGHLIGHTS

BATTERY RELAYS

BATTERY RELAYS

UNIPOINT NO.
SNLS-50 12V
TO FIT.
KOMATSU
INTERNATIONAL
INDUSTRIAL USE

**BATTERY RELAYS**

UNIPOINT NO.
SNLS-51 12V
TO FIT.
KOMATSU
INTERNATIONAL
INDUSTRIAL USE

**BATTERY RELAYS**

UNIPOINT NO.
SNLS-68 24V
OEM NO.
60713-50450
60713-50451
TO FIT.
HINO TRUCK KC320, KF721,
KM300, TC311, ZM711

**BATTERY RELAYS**

UNIPOINT NO.
SNLS-71 24V
OEM NO.
8255-0009
TO FIT.
ISUZU BUS, TRUCK TX,
TD, BU

**BATTERY RELAYS**

UNIPOINT NO.
SNLS-72 24V
OEM NO.
8255-0012
TO FIT.
ISUZU TRUCK TX, TD



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NEW PRODUCT HIGHLIGHTS

SOLENOID

SOLENOID

UNIPOINT NO.
SNLS-767 24V
OEM NO.
0-47100-3510



SOLENOID

UNIPOINT NO.
SNLS-6079 12V
OEM NO.
36120-02510



SOLENOID

UNIPOINT NO.
SNLS-2371 12V
TO FIT.
UNIPOINT NO.STR-2035A
0-001-107-073
0-001-107-074
06B-911-023



SOLENOID

UNIPOINT NO.
SNLS-6331 12V
OEM NO.
053400-5120
053400-5150
28150-87205
28150-87505
28150-87506



Web Site: <http://www.unipoint.com.tw>

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