

# ELECTRONIC REPAIR

## Electronic Test Stations

Here are just a few of the different electronic systems available to test individual controls:

- Allen Bradley PLC1 through PLC5 test systems, SLC500, SLC150, ControlLogix, Micrologix, Flex I/O
- Allen Bradley 7300, AB 1398, G & L Centurion, Electrocraft
- Allen Bradley 1394 Digital Servo Drive, Ultra
- Atlas Copco - Powerfocus 300, Tensor S series & DS Series
- Banner
- Cincinnati Milacron APC500 (Acromatic programmable control)
- Barber Colman and Maco 4,400, 4000, 4500, 8000
- Baumuller BUG, BUM Series Drives
- Dolan-Jenner
- Fanuc System 18 NC
- General Electric series 1, 3, 5, 6, 90/30 and 1050
- General Electric DC 300
- Hitachi H series
- Ingersol Rand
- Jetter Drives and Controllers
- Koyo Kostac S-Series System
- Lincoln Electric Powerwave 450 / w/RJ2 Fanuc weldcell
- Lytron Tester
- Medcar 500S Weld System
- Mitsubishi A1N series, A1S series, and K3 series
- Modicon Micro 84, 184, 284, 384, 484, 584, 884, 984 systems, also Quantum series
- Omron C200H series, CQM1 series
- PinPoint II System
- Siemens S7, S5-100U, S5-115U
- Siemens Simoreg 610
- Siemens Simodrive 610 Drive System
- Square D Spot Welder
- Square D 8030 series



- Stanley Q1001 and controllers
- STI
- Sy/Max Square D
- TechMotive CS1000
- Telesis PinStamp
- Texas Instruments 520, 500, 505, and 5T1
- Uficor 4001 series
- Yaskawa Axis/Spindle Drive
- 400 Hertz Spindle Motors for High Speed Spindle Drives
- 15 HP, 25 and 75 HP Dyno for Testing AC and DC Drives (up to 200 HP)



## Robotics

- ABB 1400 IRBS4C Robot
- ABB RID600 M93 Robot
- ABB S4P Paint Robot
- Comau Smart 3 Series 675
- Comau MicroBot C3G
- Fanuc M16 RJ3 Robot
- Fanuc S10 Robot RJ2 LRMate
- Fanuc RJ2 ArcMate/ABB S3
- Fanuc RJ420F
- Fanuc P150
- Kuka KC1 Robot
- Kuka KR150
- Motoman ERC, MRC & XRC



5775 Ten Mile Road  
Warren, MI 48091  
phone: (800) 229-5350  
fax: (800) 229-5375  
www.paragontech.com



1100 South Service Rd #103  
Stoney Creek, ON, CN. L8E 0C5  
phone: (800) 567-3786  
fax: (800) 229-5375  
www.paragoncanada.ca



2919 Interstate Street  
Charlotte, NC 28208  
phone: (800) 756-9150  
fax: (800) 229-5375  
www.paragontatlantic.com



82 Corporate Park Dr.  
Henderson, NV 89074  
phone: (800) 756-9160  
fax: (800) 229-5375  
www.paragonpacific.net



Paragon repairs electronic components from thousands of manufacturers every day.  
If you don't see a specific manufacturer, please call our knowledgeable customer service staff.

# FEATURING . . .



Allen Bradley



Barber Colman



Baldor



Fanuc



General Electric



Indramat



Modicon



Reliance



Square D



Siemens



Toshiba



Yaskawa



ABB  
ABB ROBOTICS  
AC TECHNOLOGY  
ACCU-CODER  
ACDC ELECTRONICS  
ACROMAG  
ACROMARK  
ADEPT  
ADGO  
ALLEN BRADLEY  
ALLIED TELESIS  
ALLIS-CHALMERS  
AMERICAN SIGMA  
AMERICAN STANDARD  
AMETEK  
AMK  
AMPROBE  
ASI ROBOT  
ASI SYSTEM  
ATHENA  
ATLAS  
ATLAS COPCO  
AUTOMATIC ELECTRIC  
AUTOMATRON  
AYDIN CONTROLS  
B&K  
BABBITT  
BABCOCK  
BACHMAN ELECTRONIC  
BADGER  
BALDOR  
BALLUFF  
BARBER COLMAN  
BARCO AUTOMATION  
BATTENFELD  
BAUMULLER  
BBC-BROWN BOVERI  
BEI  
BEI ELECTRONICS  
BENSHAW  
BINDICATOR  
BODINE ELECTRIC  
BORG WARNER

BOSCH  
BRANDT  
BRIDGEPORT  
BRISTOL BABCOCK  
BROWN & SHARPE  
BROWN SOVERI  
BUEHLER  
CAL CONTROLS  
CEG AUTOMATION  
CHROMALOX  
CINCINNATI  
CINCINNATI MILACRON  
CLEVELAND MACHINE  
CLEVELAND MOTOR  
CMC  
COMPAQ  
COMPLOT  
COMPUMOTOR  
CONAIR  
CONTRAVES  
CONTROL CHEIF CORP  
CONTROL LOGIC  
CONTROL SYSTEMS  
CONTROL TECHNIQUES  
CONVERTER CONCEPTS  
CSR CONTRAVES  
CURTIS INSTRUMENTS  
CURTIS INDUSTRIES  
CUTLER HAMMER  
DAIWA  
DAKTRONICS INC  
DANFOSS  
DATA TECH  
DAYTON  
DAYTRONIC  
DELAVAN  
DELCO PRODUCTS  
DME  
DOHRMANN  
DOLAN JENNER  
DRIVECON  
DUKANE  
DURANT  
DYNAMIC  
DYNAPAR  
DYNAPOWER  
DYNAPRO  
EDC  
EAGLE

EATON IDT  
EATON KENWAY  
EATON LEONARD  
EKF ELEKTRONIK  
ELECTRO-CRAFT  
ELECTRO-MATIC  
ELECTROMATIC  
EMC CONTROLS INC  
EMC MONITOR  
ENERPAC  
EPCO  
EPIC PRODUCTS  
EUROTHERM  
FAGOR  
FANUC  
FARGO  
FAST HEAT  
FENCO  
FENNER  
FENWAL  
FESTO  
FINCOR  
FIREYE  
FISHER CONTROLS  
FISHER-ROSEMONT  
FUJI ELECTRIC  
FUJITSU  
FURNAS  
FUTABA CORP  
GAI-TRONICS  
GALIL MOTION CONTROL  
GAMAFLUX  
GASTON COUNTY  
GEC INDUSTRIAL  
GEC-ALSTHOM  
GEMCO  
GENERAL ELECTRIC  
GENICO  
GENICOM  
GETTYS  
GIDDINGS & LEWIS  
GLENTEK  
GMF  
GMF ROBOTIC  
GORDINIER  
GORDON ENG  
GORMAN-RUPI  
GOULD MODICON  
GRACO

GRASEBY CONTROLS  
GRASEBY-VOLKMAN  
GUARDSCAN  
HAGGLUNDS DENISON  
HEIDELBERG  
HEIDELBERG HARRIS  
HEIDENHAIN  
HELLER  
HELM INSTRUMENT  
HERR-VOSS  
HITACHI  
HITACHI-SEIKI  
HOFFMAN CONTROLS  
HONEYWELL  
HONEYWELL-ISSC  
HONEYWELL LUCIFER  
HUNKAR LABS  
HURLTRON  
HYUNDAI  
INDRAMAT  
INDUCTOHEAT  
INGERSOLL-RAND  
INLAND MOTOR  
ISB  
ISI ROBOTICS  
KAWASAKI  
KB ELECTRONICS  
KEB  
KEB COMBIVERT  
KEBA  
KOLLMORGAN  
KRAUSS-MAFFEI  
KRISTEL CORPORATION  
KUHNKE  
KUKA  
KURODA  
LAMBDA  
LEEDS & NORTHRUP  
LEESON  
LH RESEARCH  
LINCOLN ELECTRIC  
LION CONTROLS  
LOUIS ALLIS  
LOVE CONTROLS  
LUST ELECTRONIC  
MAGNAFLUX  
MAGNETEK  
MAKINO  
MANNESMANN DEMAG

MANNESMANN REXROTH  
MAPLE SYSTEMS INC  
MARATHON ELECTRONICS  
MARPOSS  
MATSUSHITA  
MAVILOR MOTORS  
MAZAK  
MCC ELECTRONICS  
MEDAR  
MEIKI  
METTLER-TOLEDO  
MIKI PULLEY  
MIKRON  
MINARIK  
MINSTER  
MITSUBISHI  
MIYACHI  
MODICON  
MOKON  
MORI SEIKI  
NACHI  
NIPPON ELECTRIC  
NOVATEC  
NOVOTECHNIK  
OKUMA  
OMRON  
ONO SOKKI  
OPTO 22  
ORIENTAL MOTORS  
ORMEC  
PACIFIC SCIENTIFIC  
PANASONIC  
PARTLOW  
PARVUS  
PAYNE ENGINEERING  
PEGASUS  
PEPPERL & FUCHS  
PHOENIX CONTACT  
PLC DIRECT  
PMI MOTION  
POWERS  
POWERTEC  
RAMCO  
RED LION  
REGLOPLAS  
RELIANCE  
REXROTH  
RIMROCK  
ROBICON

SAFTRONICS  
SANYO  
SANYO DENKI  
SIEMENS  
SEIDEL  
SERVO DYNAMICS  
SEW-EURODRIVE  
SHINDENGEN  
SIEB & MEYER  
SIEMENS  
SQUARE D  
SSD  
STAR AUTOMATION  
STAR SEIKI  
STEGMANN  
STERL-TRONIC  
STERLCO  
STI  
STROMAG  
SUMITOMO  
T & R ELECTRONIC  
TEMEMOTIVE  
TEMPOSONICS  
TEXAS INSTRUMENTS  
THERMAL CARE  
TOEI ELECTRIC  
TOSHIBA  
TOTAL CONTROL  
TOYODA  
TRIAD CONTROLS  
UNICO  
UNIVERSAL DYNAMICS  
UTICOR  
VICKERS  
VOLKMAN  
WARNER & SWASEY  
WATLOW  
WESTAMP  
WESTINGHOUSE  
WHEDCO  
YAMATAKE-  
HONEYWELL  
YASKAWA  
YOKOGAWA  
ZEBOTRONICS  
ZYTRON

Contact: Call or email the Customer Service office nearest you 24 hours a day. With a few simple questions we can begin the process of completing your repair or replacement. You can also fill out an on-line form on any of our web sites that is forwarded directly to our Customer Service department. If we can exchange controls a quote is generated immediately.

Ship: Send the repair in for service, or if a local sales office is nearby it may be quicker for us to come and pick up the item. If not, we can help you find the best method to get the repair into the right Paragon facility.

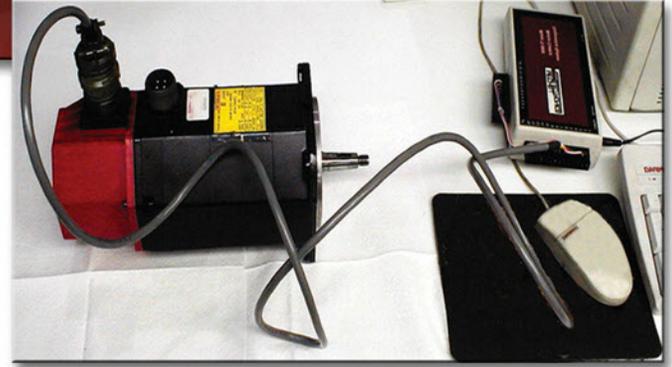
Evaluation: Once logged into our system with a "lifetime" ID number, your product moves to the appropriate department for initial evaluation and quoting of the repair.

Quote/Approval: A cost quote for the repair is generated instantly and sent to you via the Internet or by fax. You can approve the repair by email, fax, or a call to customer service along with your company purchase order number or credit card.

Repair/Return: Once your product is repaired and tested, it is foam packaged and/or static bagged and returned via the method you designate, expedited or regular ground.

Invoicing: If credit is established, the invoice is generated the following day or your company credit card is billed. Open credit terms are net 30 with 1% discount at 10 days.

# SERVO MOTOR REPAIR



## PROCEDURES FOR SERVO MOTOR REPAIR

- Hypot and Megohm test the winding for shorts to ground during run-in and run-out
- Verify magnet strength & shorts between phases with back EMF testing
- Recondition or rewind windings
- Replace bearings and seals when needed
- Replace machine pilot, shaft and mounting area if needed
- Replaced damaged connections
- Verify encoder operation with custom software design to check optics, processor and communication signals
- Run on system drive
- Paint



5775 Ten Mile Road  
Warren, MI 48091  
phone: (800) 229-5350  
fax: (800) 229-5375  
www.paragontech.com



1100 South Service Rd #103  
Stoney Creek, ON., CN. L8E 0C5  
phone: (800) 567-3786  
fax: (800) 229-5375  
www.paragoncanada.ca



2919 Interstate Street  
Charlotte, NC 28208  
phone: (800) 756-9150  
fax: (800) 229-5375  
www.paragonatlantic.com



82 Corporate Park Dr.  
Henderson, NV 89074  
phone: (800) 756-9160  
fax: (800) 229-5375  
www.paragonpacific.net





### AC SERVO MOTORS

### AC SPINDLE MOTORS

### DC SERVO MOTORS



Giddings & Lewis

Allen Bradley

AEG

Nikki Denso

Hauser

Bailey



ABB Robotics

Pacific Scientific

ABB Robotics



Baldor

Allen Bradley

Parvex



Indramat

Cincinnati



Baldor

Peerless-Winsmith

Allen Bradley

Kollmorgen

Contraves

Bosch

Porter



Mitsubishi

Control Technology



Cincinnati

Powertron

Baldor

Modicon

GE Fanuc

Milacron

SEM

Baumuller



Control Technology



Cleveland Motor

Siemens



Moog

GE Fanuc

Danaher

Socapel

Cincinnati  
Milacron

Otto Bartholdi

Getty's



Eberhard

Winsmith

Cleveland Motor

Pacific Scientific

Indramat



EG&G Torque

Yaskawa

Control System  
Research

Panasonic

Mark 2



Electrocraft

Zumbach

Electrocraft

SEM

Milacron



Emerson

Fanuc



Emerson

Siemens

Mitsubishi



Ferrite

Getty's

Gould



Fanuc

Yaskawa

Setco



Indramat

Inland

Kollmorgen

Lenze

Magnetek



Getty's

Siemens

Mavilor

Contact: Call or email the Customer Service office nearest you 24 hours a day. With a few simple questions we can begin the process of completing your repair or replacement. You can also fill out an on-line form on any of our web sites that is forwarded directly to our Customer Service department. If we can exchange controls a quote is generated immediately.

Ship: Send the repair in for service, or if a local sales office is nearby it may be quicker for us to come and pick up the item. If not, we can help you find the best method to get the repair into the right Paragon facility.

Evaluation: Once logged into our system with a "lifetime" ID number, your product moves to the appropriate department for initial evaluation and quoting of the repair.

Quote/Approval: A cost quote for the repair is generated instantly and sent to you via the Internet or by fax. You can approve the repair by email, fax, or a call to customer service along with your company purchase order number or credit card.

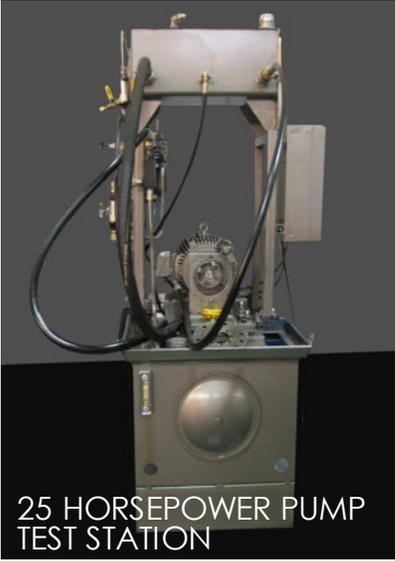
Repair/Return: Once your product is repaired and tested, it is foam packaged and/or static bagged and returned via the method you designate, expedited or regular ground.

Invoicing: If credit is established, the invoice is generated the following day or your company credit card is billed. Open credit terms are net 30 with 1% discount at 10 days.

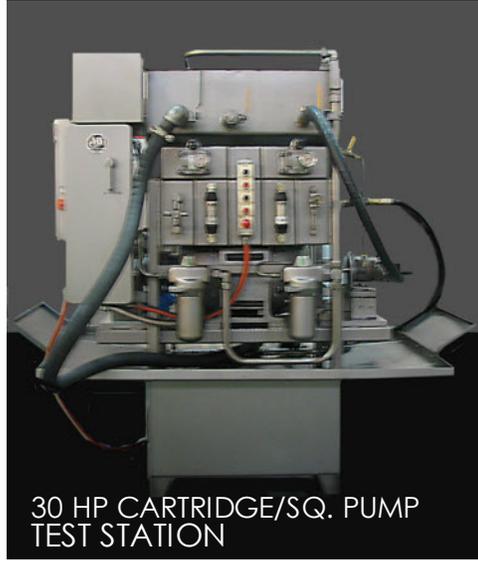
# HYDRAULIC

# REPAIR

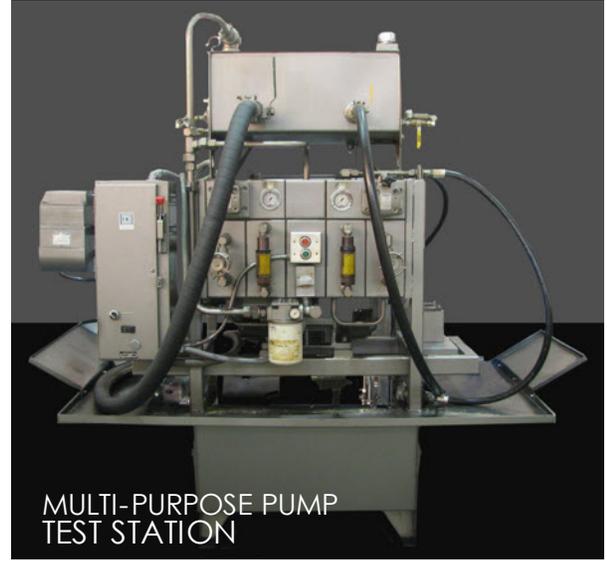
Testing on the finest test stands in the industry. Here is just a small example of the state-of-the-art equipment we use.



25 HORSEPOWER PUMP  
TEST STATION



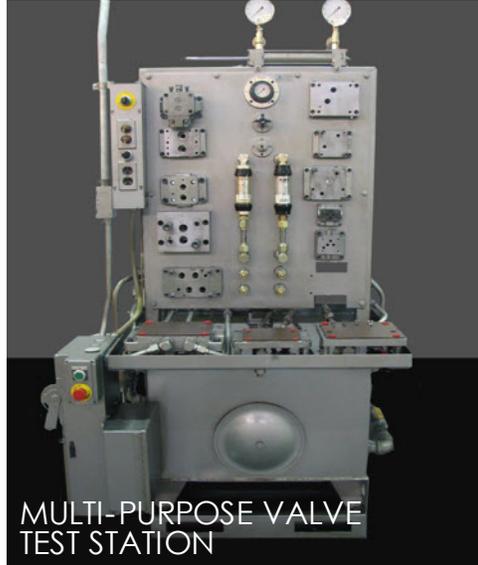
30 HP CARTRIDGE/SQ. PUMP  
TEST STATION



MULTI-PURPOSE PUMP  
TEST STATION



100 HP PUMP  
TEST STATION



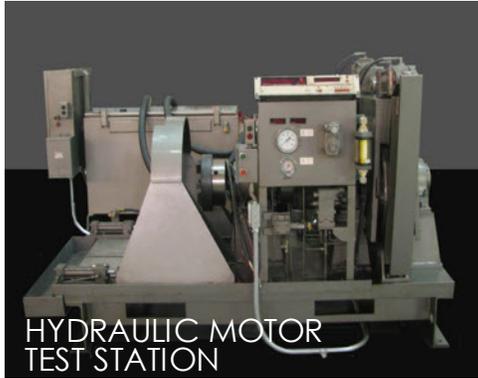
MULTI-PURPOSE VALVE  
TEST STATION



MOTOR/CYLINDER  
TEST STATION



RACINE  
TEST STATION



HYDRAULIC MOTOR  
TEST STATION



At Paragon, all hydraulic components are tested to within 100% of the rated flows and pressures for new set down by the original equipment manufacturer. Every hydraulic component offered by Paragon is the product of years of research and experience to produce a remanufactured product that performs as well as new. Our proven procedure provides for fast turn-around and delivery.

Paragon repairs all of the hydraulic components listed and a large number of hydraulic components in the following categories:

Cartridge Kits • Piston Motors



5775 Ten Mile Road  
Warren, MI 48091  
phone: (800) 229-5350  
fax: (800) 229-5375  
www.paragontech.com



1100 South Service Rd #103  
Stoney Creek, ON., CN. L8E 0C5  
phone: (800) 567-3786  
fax: (800) 229-5375  
www.paragoncanada.ca



2919 Interstate Street  
Charlotte, NC 28208  
phone: (800) 756-9150  
fax: (800) 229-5375  
www.paragonatlantic.com



82 Corporate Park Dr.  
Henderson, NV 89074  
phone: (800) 756-9160  
fax: (800) 229-5375  
www.paragonpacific.net

# Standard Hydraulics are available for immediate exchange!

## REXROTH A10VSO

A10VSO28 A10VSO100  
A10VSO45 A10VSO140  
A10VSO71



## VICKERS PVH

PVH57 PVH98  
PVH74 PVH131



## VICKERS PVQ

PVQ10 PVQ20  
PVQ13

## VICKERS PVE

PVE12 PVE35  
PVE19 PVE47  
PVE21 PVE62  
PVE27



## VICKERS VHO and VQ

20V2	25V12	25V14	35V38	50V100
20V5	25V14	25V17	45V42	50V109
20V8	25V17	25V21	45V50	3520V
20V11	2520V	35V25	45V60	3525V
20V12	25V21	35V30	50V72	4520V
20V14	25V12	35V35	50V85	4525V
				4535V

## VICKERS PVB

PVB5 PVB29  
PVB6 PVB45A  
PVB10 PVB45  
PVB15 PVB90  
PVB20



## REXROTH

### Vane Pumps

1PV1V4 1PV2V4  
1PV2V3 1PV6V3



### Pumps/Motors

A2F/A2FO A7F  
A2V/A2VK A7V/AA7V  
A3V 900CV  
A4F A2FM/AA2FM  
A4V/AA4V A2FE



## DENISON

### Vane Pumps

T1C T5DC/T6DC  
T1D T5E/T6E  
T2D T5EC/T6EC  
T5C/T6C T5ED/T6ED  
T5CC/T6CC TMB  
T5D/T6D TMC



### Piston Pumps

PF07 PV07  
PF08 PV08  
PV05 PV09  
PV06



## VICKERS

### Combination Round Pumps

VC10 VC128  
VC29 VC129  
VC39 VC138  
VC49 VC139  
VC108 VC148  
VC110 VC149



### Round Pumps

V108 V2324  
V109 V2325  
V110 V360 to  
V2304 V470  
V2305 V2350  
V2311 V2341  
V25 V2342  
V35 V2360  
V45 V2361  
V124 to V2362  
V149 V2460  
V2320 V2461  
V2462



## VICKERS

### Small Series Round Pumps

V104 V111  
V105



### Bent Axis Pumps

PF2003 PV2008  
PF2008 PV2012  
PF2012 PV2020  
PF2020  
PFA 50  
PFA 120  
PV2003



### Vane Pumps

25V 3520V  
35V 3525V  
45V 4520V  
50V 4525V  
2520V 4535V



### Directional Valves

DF5S4 DG4V3  
DG4S4 DG5S8



### Flow Control Valves

FCG-02 FG-03  
FCG-03 FG-06  
FG-02 FG-10



### Pressure Control Valves

CF-16	RT-03
CG-03	RT-06
CG-06	RT-10
CG-10	XCF-16
CS-03	XCG-03
CT-06	XCG-06
CT-10	XCG-10
RCF-16	XCT-03
RCG-03	XCT-06
RCG-06	XCT-10
RCG-10	XF-16
RCT-03	XG-03
RCT-06	XG-06
RCT-10	XG-10
RG-03	XT-03
RG-06	XT-06
RG-10	XT-10



## VICKERS

### MHT Motors

MHT32	MHT 220
MHT 50	MHT 250
MHT 70	MHT 380
MHT 90	MHT 440
MHT 110	MHT 500
MHT 130	MHT 690
MHT 150	MHT 750
MHT 190	MHT 1000



### Vane Motors

25M 45M  
35M 50M



### Bent Axis Motors

MF 2003	MF 2020
MF 2008	MFA 120
MF 2012	MFA 50



## BOSCH/MOOG

### RKP Pumps

0514-300 (16cc)	0514-700 (63cc)
0514-400 (19cc)	0514-800 (80cc)
0514-500 (32cc)	0514-900 (90cc)
0514-600 (45cc)	



## BOSCH/RACINE

### Piston Pumps

C-11 Dual	H-20
C-11 Single	H-80
C-4	



### Vane Pumps

PVQ5 or 6/PSQ	PSV 80
PVQ5 or 6	PSV 100
(Dbl.)	PVF12,20,30
PSV 10	PKV 70
PSV 15	PVR 40
PSV 20	PVS 10, 12
PSV 25	PVT 25
PSV 40	

## HYDRAULIC CYLINDERS

- Milwaukee
- Parker
- Hydroline
- Miller



Plus Thousands More...

Contact: Call or email the Customer Service office nearest you 24 hours a day. With a few simple questions we can begin the process of completing your repair or replacement. You can also fill out an on-line form on any of our web sites that is forwarded directly to our Customer Service department. If we can exchange controls a quote is generated immediately.

Ship: Send the repair in for service, or if a local sales office is nearby it may be quicker for us to come and pick up the item. If not, we can help you find the best method to get the repair into the right Paragon facility.

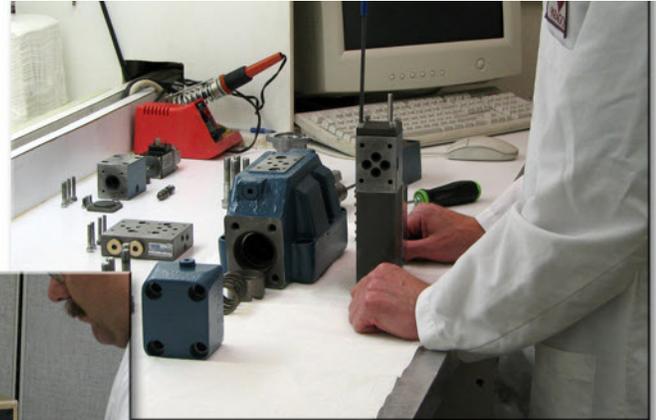
Evaluation: Once logged into our system with a "lifetime" ID number, your product moves to the appropriate department for initial evaluation and quoting of the repair.

Quote/Approval: A cost quote for the repair is generated instantly and sent to you via the Internet or by fax. You can approve the repair by email, fax, or a call to customer service along with your company purchase order number or credit card.

Repair/Return: Once your product is repaired and tested, it is foam packaged and/or static bagged and returned via the method you designate, expedited or regular ground.

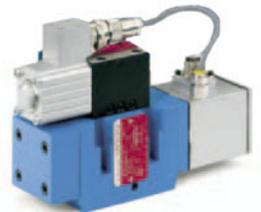
Invoicing: If credit is established, the invoice is generated the following day or your company credit card is billed. Open credit terms are net 30 with 1% discount at 10 days.

# SERVO VALVE REPAIR



## PROCEDURES FOR SERVO VALVE REPAIR

- Visual inspection and evaluation on test stand for initial comparison to manufacturer's specifications.
- Valve is disassembled.
- Every part is chemically cleaned with solvents.
- Torque motor is dismantled down to wires and magnets.
- All parts are inspected and checked to ensure they are within manufacturer's tolerances and specifications.
- Failed parts are replaced with original manufacturer components.
- Torque Motor is totally remanufactured.
- Each magnet is re-magnetized to full strength.
- All nozzles are adjusted.
- Feedback wire is checked for wear and performance.
- Motor is rewired and assembled with new Viton Seals.
- Torque motor is then tested and calibrated to manufacturer's specifications.
- Valve Body is inspected to ensure it is within manufacturer's tolerances.
- Body spool assembly is checked for wear.
- If needed the body and/or body spool assembly is replaced with new from the original manufacturer, assembled using new Viton seals and a new filter from the valve manufacturer.
- The torque motor and body are reassembled, tested to 100% of specifications for flow and pressure established by the manufacturer.
- Once tested to manufacturer's specifications, a test report and computer plot is included with the repair.



5775 Ten Mile Road  
Warren, MI 48091  
phone: (800) 229-5350  
fax: (800) 229-5375  
www.paragontech.com



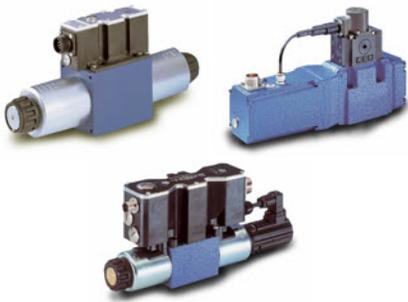
1100 South Service Rd #103  
Stoney Creek, ON, CN. L8E 0C5  
phone: (800) 567-3786  
fax: (800) 229-5375  
www.paragoncanada.ca



2919 Interstate Street  
Charlotte, NC 28208  
phone: (800) 756-9150  
fax: (800) 229-5375  
www.paragonatlantic.com



82 Corporate Park Dr.  
Henderson, NV 89074  
phone: (800) 756-9160  
fax: (800) 229-5375  
www.paragonpacific.net



### REXROTH

4WS2EM10	4WRA
3DREP6	4WRAE
4WRDE	4WRE
4WRE10	4WREE
DBETR	4WREDE
FE Series	3DREP
4WRK	3DREE
4WRKE 10-35	3DS2EH
Series	3DSE2EH
4WRTE	



### PEGASUS

120	132	162
121	140	180
122	142	1160
130	160	1282
131	161	

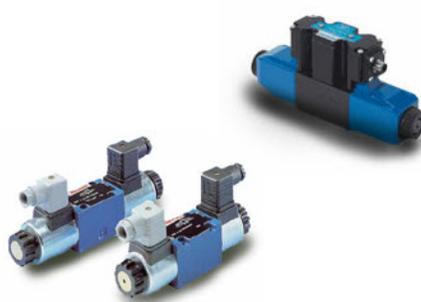


### ATCHLEY

205	211	230
206	214	231
207	215	240
208	218	241
209	225	242

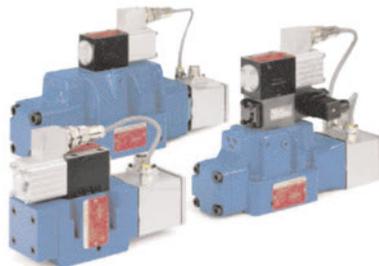
### DYNAMIC

1	10	15
5	12	25



### BOSCH

(Directional Control)	(Pressure Control)
NG6	NG6
NG10	(Throttle Valve)
NG16	NG6
NG25	NG10
NG32	



### MOOG

62-1xx	656
62-3xx	660 - 665
631-xxx	D761
72-xxx	D769-xxx
73-xxx	79-1xx
76-xxx	79-2xx
A076-xxx	D079
760-xxx	765
77-xxx	88
78-xxx	631
79-30x	691
641	D791
642	D792
643	
644	Servoactuators
645	A085
650	856
651	853
652	

### ABEX

410	415	425	450
-----	-----	-----	-----



### VICKERS

SM4-10	(Pressure Control)
SM4-15	EHST
SM4-20	CGE-02
SM4-40	CGE-06
	CGE-10

### SUNSTRAND

MCV 101	MCV 105
MCV 102A	MCV 110
MCV 103	MCV 116
MCV 104	



### PARKER

BD15	DY
BD30	EHD
D111	PC1
D1	PC2
D3	PE1
D4	PE2
D8	PE3
D9	PH
DW	TDA



### OILGEAR

VSC4-R03	VSC4-R05
VSC4-R04	VSC4-R07

Contact: Call or email the Customer Service office nearest you 24 hours a day. With a few simple questions we can begin the process of completing your repair or replacement. You can also fill out an on-line form on any of our web sites that is forwarded directly to our Customer Service department. If we can exchange controls a quote is generated immediately.

Ship: Send the repair in for service, or if a local sales office is nearby it may be quicker for us to come and pick up the item. If not, we can help you find the best method to get the repair into the right Paragon facility.

Evaluation: Once logged into our system with a "lifetime" ID number, your product moves to the appropriate department for initial evaluation and quoting of the repair.

Quote/Approval: A cost quote for the repair is generated instantly and sent to you via the Internet or by fax. You can approve the repair by email, fax, or a call to customer service along with your company purchase order number or credit card.

Repair/Return: Once your product is repaired and tested, it is foam packaged and/or static bagged and returned via the method you designate, expedited or regular ground.

Invoicing: If credit is established, the invoice is generated the following day or your company credit card is billed. Open credit terms are net 30 with 1% discount at 10 days.