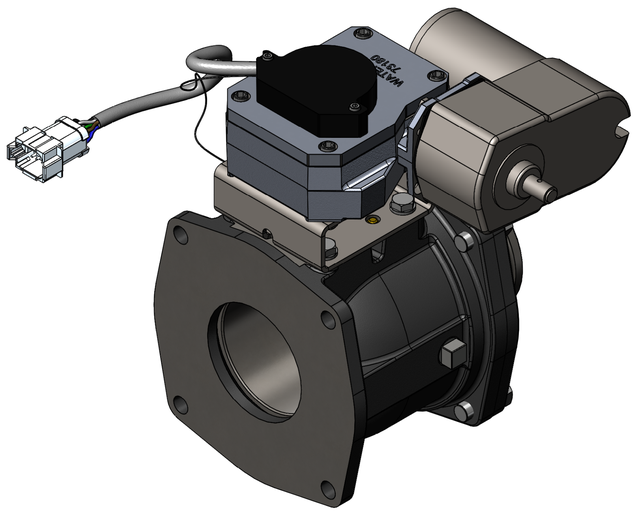
WATEROUS

Document Number	Issue Date	Rev. Date
SPL82742	07/16/03	05/08/19



Tank to Pump Valve with Electric Rotary Actuator
Service Parts List

Components	See Page
Tank to Pump Valve	2
Electric Rotary Actuator	3
Cables and Panel Components	4
Available Repair Subassemblies	5

REF NO.	DESCRIPTION
*33	O-Ring, 2-5/16 x 2-1/2 in
*34	Bushing-Upper Stem
*35	O-Ring, 3/4 x 15/16 in
36	Valve-Ball
*37	O-Ring, UL, 1-1/8 x 1-5/16 in
38	Body-Valve
39	Plug-Pivot, Ball Valve
40	Plug-Pipe, Square Hd, 1/2 NPT, Steel
*41	O-Ring, 6 x 6-1/4 in
42	Washer-Plain, 1/4 in, SS
43	Screw-Machine, Pan Head, 1/4-20x1/2 in, SS
*44	O-Ring, 5 x 5-1/4 in
45	Screw-Hex Hd, 1/2-13 x 1-1/4 in, Zinc Plated
46	Retainer-Seal
*47	Seal-Valve, Ball
50	Nipple-Hose, 4 in OD
*51	O-Ring, 3-3/4 X 4 in
*52	Spring-Wave
*55	O-Ring, 6-3/4 x 7 in
56	O-Ring and Gasket Repair kit

* Part of Repair Kit 56

56
O-RING AND GASKET
REPAIR KIT

TO ROTARY ACTUATOR
SEE PAGE 3

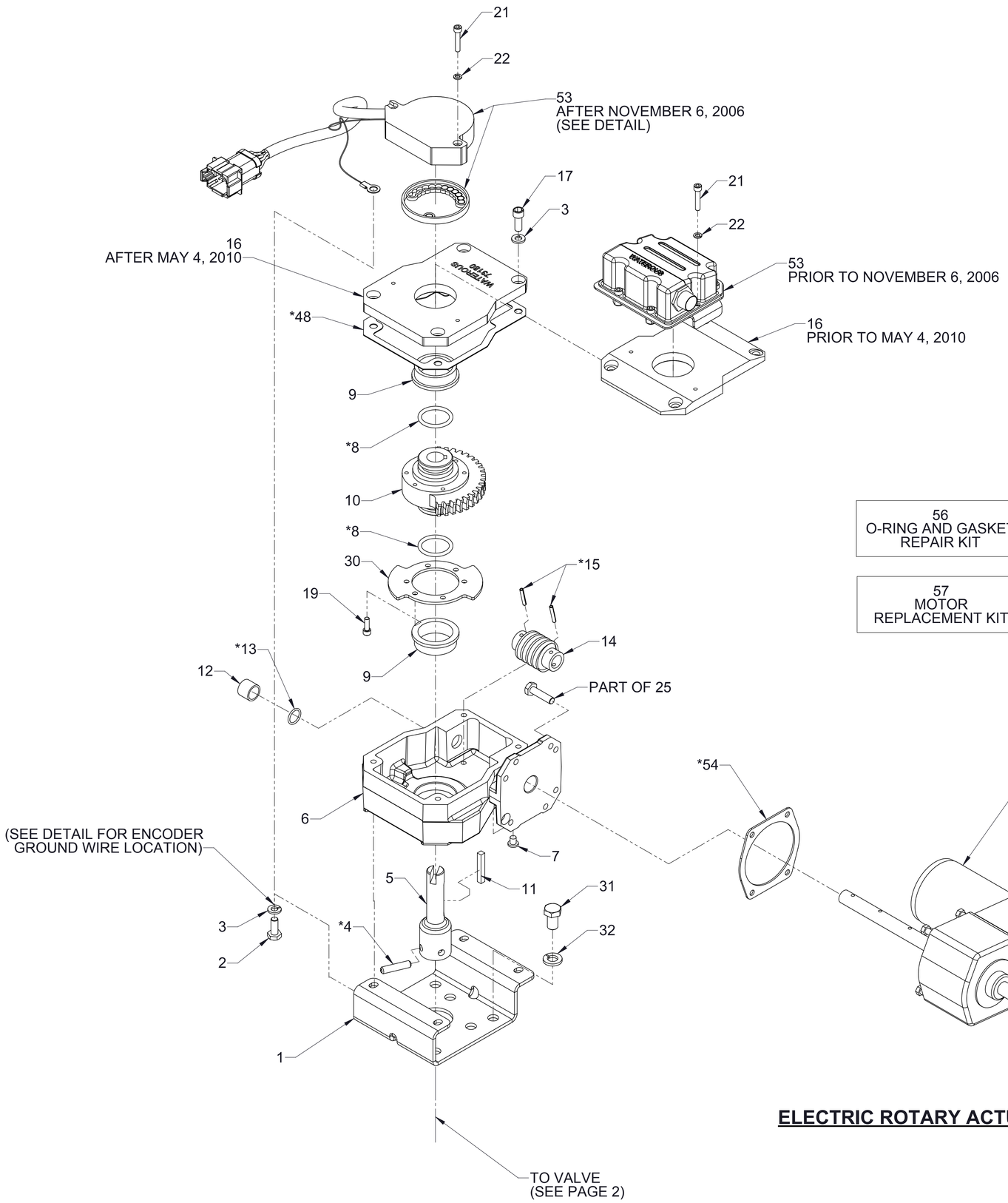
*34
*33
*35
36
FLOW
42
43
*44
46
*51
*41
*52
*47
38
*55
40
45
*35
*37
39
TO PUMP BODY
40

TANK TO PUMP VALVE

50
HOSE FLANGE
3-1/2 in O.D.
ANGLE COMPENSATED

50
HOSE FLANGE
4 in O.D.
ANGLE COMPENSATED

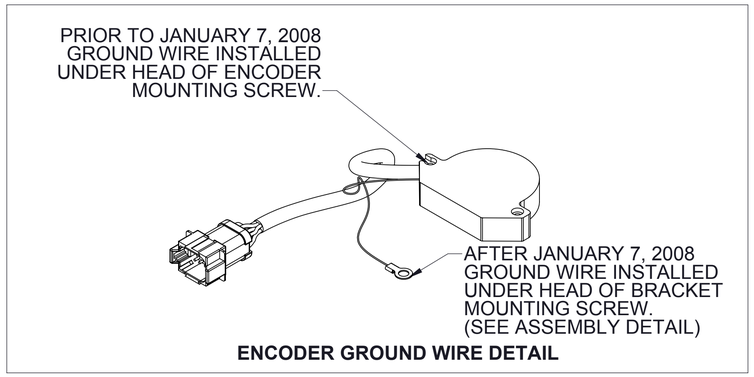
50
45
HOSE FLANGE
4 in O.D.
STRAIGHT



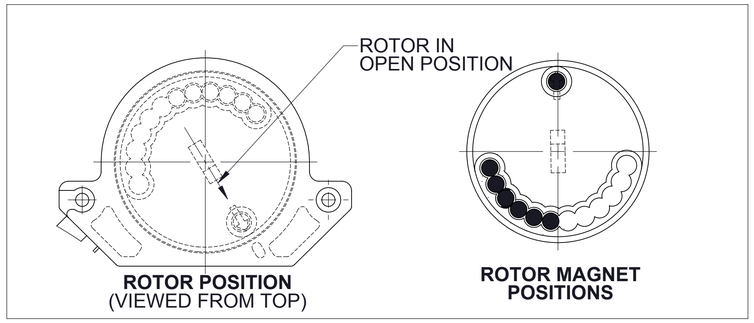
56
O-RING AND GASKET
REPAIR KIT

57
MOTOR
REPLACEMENT KIT

ELECTRIC ROTARY ACTUATOR



ENCODER GROUND WIRE DETAIL



ROTOR POSITION
(VIEWED FROM TOP)

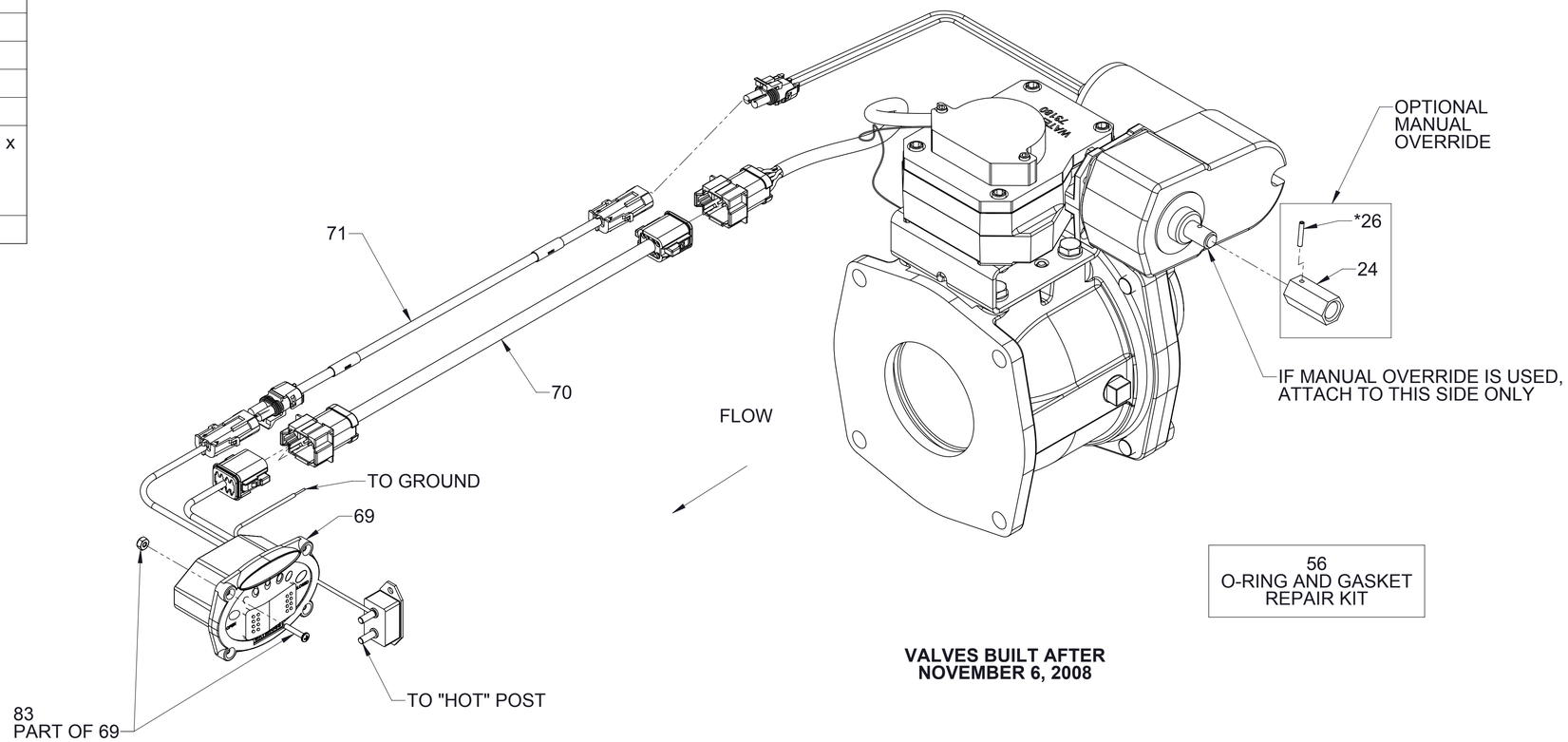
ROTOR MAGNET POSITIONS

REF NO.	DESCRIPTION
1	Bracket-Mounting
2	Screw-Hex Hd, 1/4-20 x 5/8 in, Zinc Plated
3	Washer-Lock, 1/4 in, Zinc Plated
*4	Pin-Spring, 1/4 x 1-1/8 in, SS
5	Shaft-Extension
6	Housing-Actuator (Includes 9, 12, 13)
7	Plug-Rubber
*8	O-Ring, UL, 1 x 1-1/4 in
9	Bearing-Flange
10	Gear-Worm, Sector
11	Key-Square, 3/16 x 1-1/4 in, SS
12	Bearing-Sleeve, 1/2 x 5/8 in
*13	O-Ring, 1/2 x 5/8 in
14	Gear-Worm
*15	Pin-Spirol, 1/8 X 3/4 in, Heavy, SS
16	Cover-Actuator (Includes 9)
17	Screw-Cap, Hex Socket Hd, 1/4-20 x 5/8 in
19	Screw-Cap, Hex Socket Hd, 8-32 x 1/2 in
21	Screw-Cap, Hex Socket Hd, 8-32 x 7/8 in
22	Washer-Lock, Med-Spring, No.8, Zinc Plated
25	Motor-Gear
30	Disc-Limit
31	Screw-Hex Head, 3/8-16 X 5/8 in, Zinc Plated
32	Washer-Lock, 3/8 in, Zinc Plated
*48	Gasket-Housing, Actuator
53	Encoder-Rotary, 90° (After November 6, 2006) Rotary Switch Assembly (Prior to November 6, 2006)
*54	Motor-Gear, Gasket
56	O-Ring and Gasket Repair Kit
57	Motor Replacement Kit

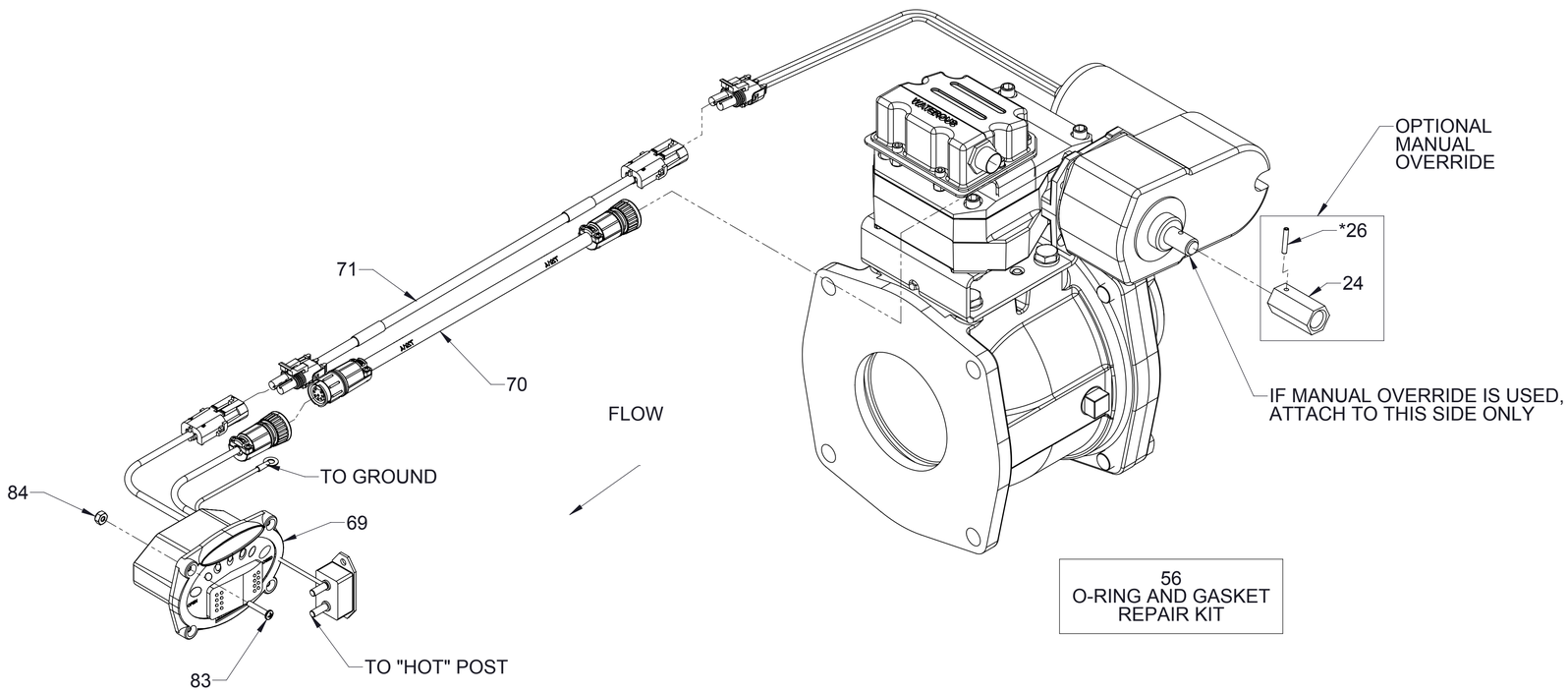
* Part of Repair Kit 56

REF NO.	DESCRIPTION
24	Nut-Adapter
*26	Pin-Spirol, 1/8 X 3/4 in, Heavy, SS
56	O-Ring and Gasket Repair Kit
69	Panel Assembly-Control, Electric
70	Cable-Extension, Encoder
71	Wire-Motor Extension
83	Control Panel Mounting Hardware (Includes (4) Screw − Machine, Pan Head, 6-32 x 3/4 in, SS and (4) Nut-Hex, Nylok, 6-32, SS) (After November 6, 2006) - Screw − Machine, Pan Head, 6-32 x 3/4 in, SS (Prior to November 6, 2006)
84	Nut-Hex, Nylok, 6-32, SS (Prior to November 6, 2006)

* Part of Repair Kit 56



VALVES BUILT AFTER NOVEMBER 6, 2008

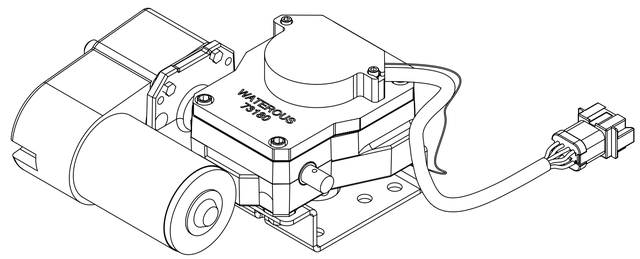


VALVES BUILT PRIOR TO NOVEMBER 6, 2008

CABLE AND PANEL COMPONENTS

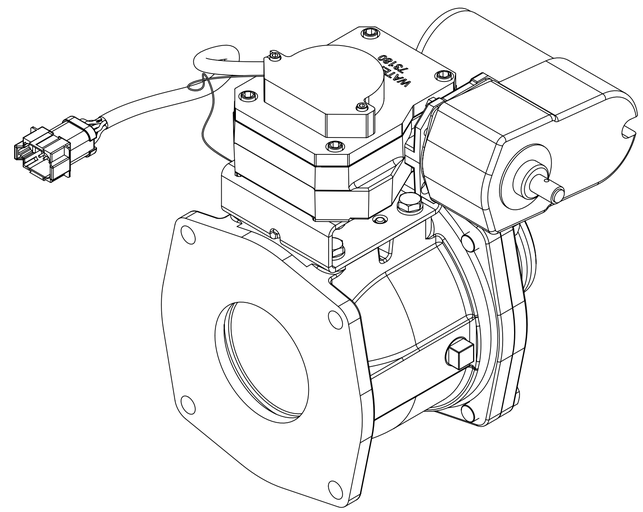
REF NO.	DESCRIPTION
85	Valve with Electric Rotary Actuator Subassembly
86	Actuator Subassembly

86



ACTUATOR SUBASSEMBLY

85



VALVE AND ACTUATOR SUBASSEMBLY

AVAILABLE REPAIR SUBASSEMBLIES