

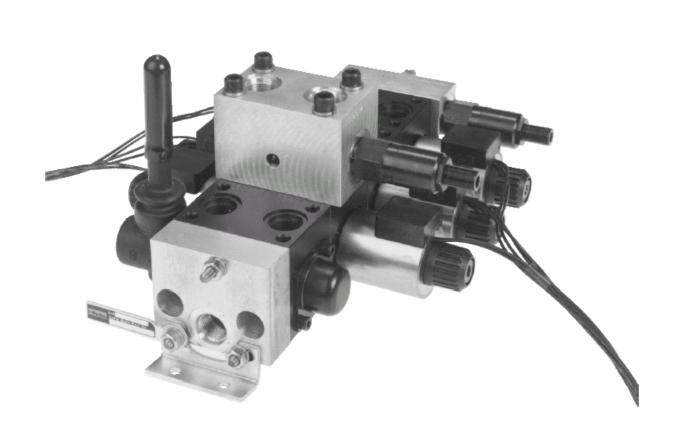
Bulletin HY14-2401-M1/US Service Bulletin

Bankable Control Valves

BV06 BVB06 BVCS10 BV10 BV18

Effective: June 01, 2006

Supersedes: Bull. 3123-M1/USA, 10/13/1995



Service Parts Information

BV06	1
BV06 Single P.O. Check	2
BV06 Dual P.O. Check	
BV06 Single Crossover Relief	3
BV06 Dual Crossover Relief	
BV06 Single Counterbalance	4
BV06 Dual Counterbalance	4
BV06 Single Flow Control	
BV06 Dual Flow Control	
BVB06	6
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BV10	8
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BV18 Inlet with Relief	10
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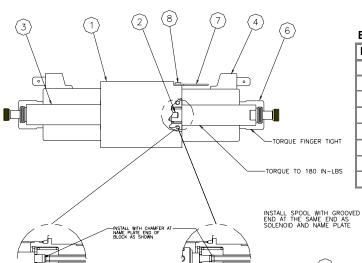
subsidiaries at any time without notice.

Offer of Sale

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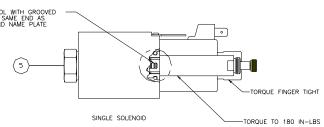
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BILL OF MATERIALS

Item	em Part Number Description		Quantity
1	See Table Below	Body	1
2	See Table Below	Spool	1
3	See Table Below	Tube Assembly	2
4	See Table Below	Coil	2
5	See Table Below	Plug Assembly	1
6	118113-00	Retainer	2
7	See Table Below	Name Plate	1
8	1301066	Drive Screw	1



SPOOL - Item 2

Spool Code	P/N
P1	118736-00
P4	118737-00
P11	118767-00
P20	118731-00
P21	118731-00
P23	118736-00
S2	710025-00
S8	710015-00
S24	710005-00

TUBE ASSEMBLY - Item 3

Spool Code	P/N
P1	1500257
P4	1500256
P11	1500257
P20	1500256
P21	1500256
P23	1500257
S2	1500256
S8	1500256
S24	1500256

BODY - Item 1

2021 1101111		
P/N	Description	
BV06-6T	Individual Body - Series/Parallel	
BV06-E6T	Inlet/Outlet Body - Parallel Only	
BV06-M6T	Middle Body - Parallel Only	
BV06-SI6T	Inlet Body - Series Only	
BV06-SM6T	Middle Body- Series Only	
BV06-SO6T	Outlet Body - Series Only	

PLUG ASSEMBLY - Item 5

Spool Code	P/N
P21	710020-03
P23	710020-01
S24	710020-03

NAMEPLATE - Item 6

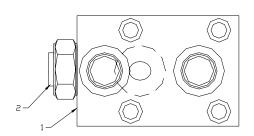
Spool Code	P/N	Spool Code	P/N
P1	1500011-C1	P21	1500011-F21
P4	1500011-M4	P23	1500011-CS23
P11	1500011-N11	S2	1500011-O2
P20	1500011-E20	S8	1500011-T8
		S24	1500011-TS24A

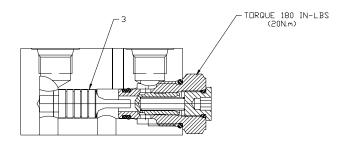
COILS - Item 4

OOILO - ILCIII 4			
P/N	DESCRIPTION	P/N	DESCRIPTION
851020-010VDC	10 VDC, 30 Watt DIN	851050-048VDC	48 VDC, 30 Watt Dual Spade
851020-012VDC	12 VDC, 30 Watt DIN	851052-010VDC	10 VDC, 30 Watt Dual Wire
851020-018VDC	18 VDC, 30 Watt DIN	851052-012VDC	120 VDC, 30 Watt Dual Wire
851020-024VDC	24 VDC, 30 Watt DIN	851052-018VDC	18 VDC, 30 Watt Dual Wire
851020-120VAC	120 VAC, 30 Watt DIN	851052-024VDC	24 VDC, 30 Watt Dual Wire
851020-120VDC	120 VDC, 30 Watt DIN	851052-036VDC	36 VDC, 30 Watt Dual Wire
851020-240VAC	240 VAC, 30 Watt DIN	851052-048VDC	48 VDC, 30 Watt Dual Wire
851050-010VDC	10 VDC, 30 Watt Dual Spade	851054-012VDC	12 VDC, 30 Watt Dual Screw
851050-012VDC	12 VDC, 30 Watt Dual Spade	851054-024VDC	24 VDC, 30 Watt Dual Screw
851050-018VDC	18 VDC, 30 Watt Dual Spade	851056-012VDC	12 VDC, 30 Watt Single Screw
851050-024VDC	24 VDC, 30 Watt Dual Spade	851056-024VDC	24 VDC, 30 Watt Single Screw
851050-036VDC	36 VDC, 30 Watt Dual Spade	1500189-12	12 VDC, 30 Watt 5" Weatherpack
		1500189-24	12 VDC, 30 Watt 5" Weatherpack



BV06 Single PO Check

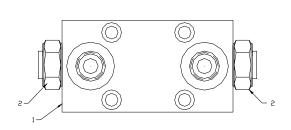


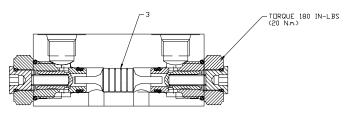


Bill of Materials

Item	Part Number	Description	Qty
1	118778-01	Block	1
2	CVH081P**	Cartridge (CVH081P30 Standard)	1
3	118763-00	Piston	1

BV06 Dual PO Check

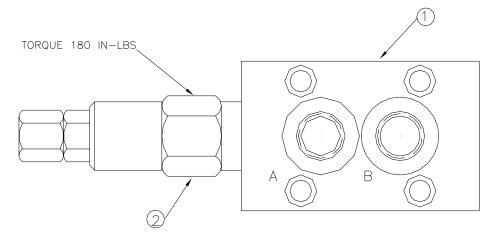




Bill of Materials

Item	Part Number	Description	Qty
1	118779-01	Block	1
2	CVH081P**	Cartridge (* = Cracking Pressure)	2
3	118764-00	Piston	1

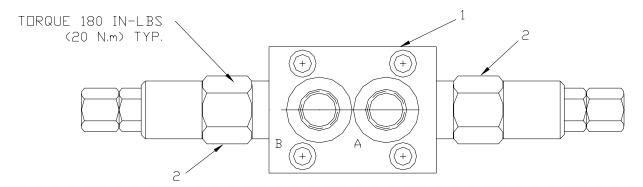
BV06 Single Crossover Relief



Bill of Materials

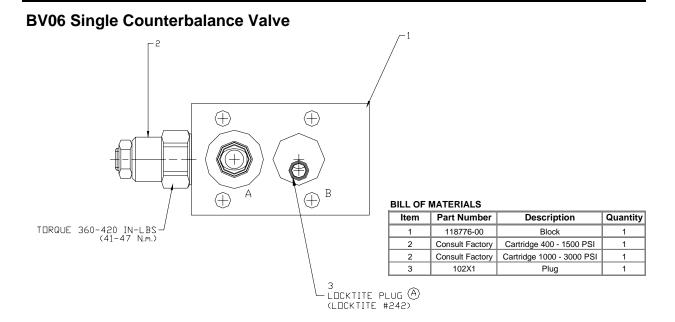
Item	Part Number	Description	Qty
1	118781-00	Block	1
2	RDH083*15	Cartridge (300 - 1500 PSI)	1
2	RDH083*30	Cartridge (1500 - 3000 PSI)	1

BV06 Dual Crossover Relief

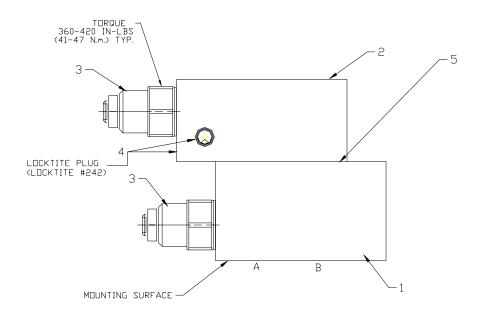


Bill of Materials

Item	Part Number	Description	Qty
1	118781-00	Block	1
2	RDH083*15	Cartridge (300 - 1500 PSI)	2
2	RDH083*30	Cartridge (1500 - 3000 PSI)	2



BV06 Dual Counterbalance

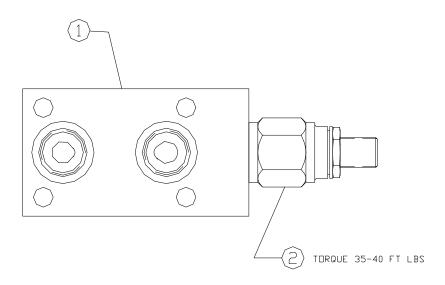


BILL OF MATERIALS

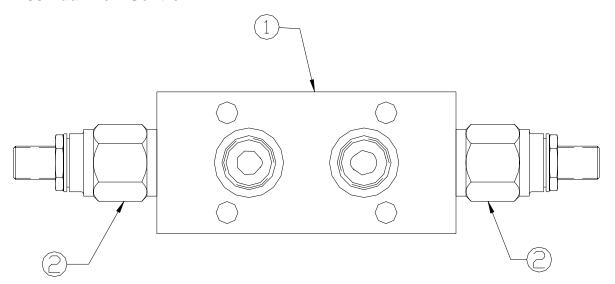
Item	Part Number	Description	Quantity
1	118776-00	Block	1
2	118777-00	Block	1
3	Consult Factory	Cartridge 400 - 1500 PSI	2
3	Consult Factory	Cartridge 1000 - 3000 PSI	2
4	102X1	Plug	2
5	2018N-7	O-Ring	2



BV06 Single Flow Control



BV06 Dual Flow Control



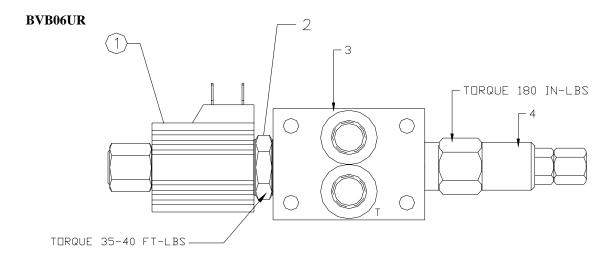
Block - Item 1

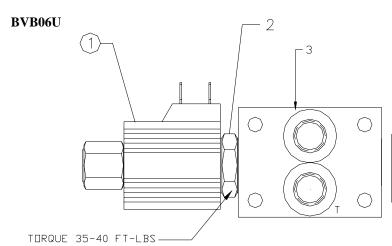
Part Number	Description
1550020	Dual, Meter-In
1550023	Dual, Meter-Out
1550026	Single, Meter-In
1550024	Single, Meter-Out

Cartridge - Item 2

Part Number	Description
FV101S	Non-Compensated
FC101S050	Compensated, .30 - 1.0 GPM (Pre-Set @ .5 GPM
FC101S100	Compensated, .75 - 2.2 GPM (Pre-Set @ 1 GPM
FC101S300	Compensated, 2.0 - 4.5 GPM (Pre-Set @ 3 GPM
FC101S600	Compensated, 4.0 - 8.0 GPM (Pre-Set @ 6 GPM





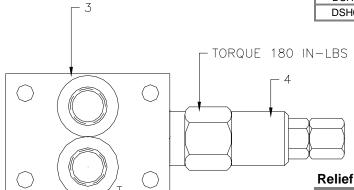


Coil Chart - Item 1

Code	Part number
D	S8LDD***
Р	S8LPD***
W	S8LWD***

^{***} Need to supply voltage

BVB06MR



Cartridge Solenoid Valve - Item 2

Part Number	Description
DSH081N	No Manual Override
DSH081NE	Push-Type w/Extended Rod (N.O Only)
DSH081NM	Push-Type w/Flush Rod (N.O Only)

Block - Item 3

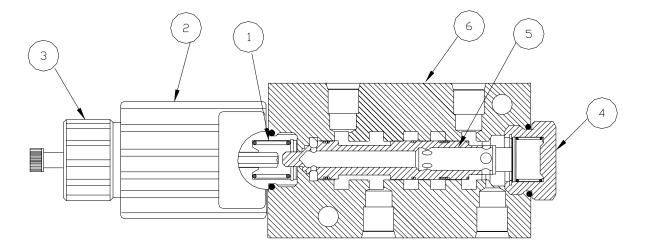
Code	Part Number
MR	BVB06MR-6T
U	BVB06U-6T
UR	BVB06UR-6T

Relief Valve - Item 4

Part Number	Description
RDH083S15	100 - 1500 PSI (Pre-Set @ 750 PSI)
RDH083S30	1000 - 3000 PSI (Pre-Set @ 1500 PSI)
RDH083K15	100 - 1000 PSI (Pre-Set @ 500 PSI)
RDH083K320	500 - 2000 PSI (Pre-Set @ 1000 PSI)



BVCS10



BILL OF MATERIALS

Item	Part Number	Description	Quantity
1	709298-00	Tuby Assembly	1
2	See Table Below	Coil	1
3	118378-00	Coil Retainer	1
4	711168-00	Adapter Assembly	1
5	118985-00	Spool	1
6	See Table Below	Block	1

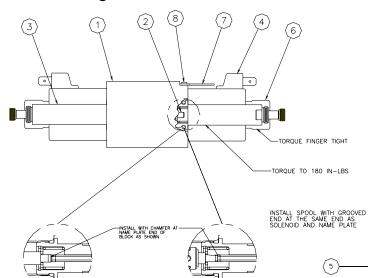
Coil

Code	Part number	
PV	851060-***	
W	851062-***	
С	851057-***	
D 851058-***		
*** Need to supply voltage		

Block

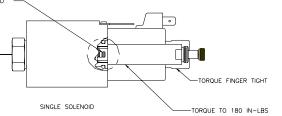
Part Number	Description
118947-00	BVCS10-6T
118944-00F	BVCS10-8B
118946-00	BVCS10-8T
118945-00	BVCS10-6B

BV10 Single/Double



BILL OF MATERIALS

Item	Part Number	Description	Quantity
1	See Table Below	Body	1
2	See Table Below	Spool	1
3	See Table Below	Tube Assembly	2
4	See Table Below	Coil	2
5	See Table Below	Plug Assembly	1
6	118113-00	Retainer	2
7	See Table Below	Name Plate	1
8	1301066	Drive Screw	1



BODY - Item 1

SPOOLS P1, P4, P21,P23, & S24

Code	P/N	Description
8T	118513-00	Individual Body - Series/Parallel
8TF	118513-00 w/ mtg kit	Individual Body w/ mtg kit- Series/Parallel
E8T	118511-00	End Body - Parallel Only
M8T	118515-00	Middle Body - Parallel Only
SM8T	118512-0	Middle Body- Series Only
SI8T	118516-00	Inlet Body - Series Only
SO8T	118526-05	Outlet Body - Series Only

COILS - Item 4

Code	P/N
PV	851060-****
W	851062-***
SV	851064-***
S1V	851065-***
С	851057-***
D	851058-***

**** - 012VDC, 024VDC

SPOOL - Item 2

Spool Code	P/N
P1	118517-00
P11	118630-00
P20	118519-00
P21	118519-00
P4	118518-00
S2	707378-00
S21	707378-00
S22	707378-00
S24	707377-00
S8	707377-00

TUBE ASSEMBLY - Item 3

Spool Code	P/N
P1	709294-00
P11	709294-00
P20	709294-00
P21	709294-00
P4	15000-47
S2	15000-47
S21	15000-47
S22	15000-47
S24	15000-47
S8	15000-47

PLUG ASSEMBLY - Item 5

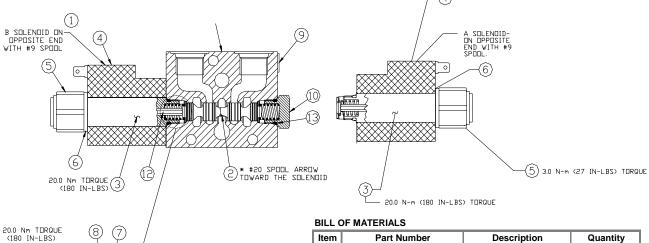
Spool Code	P/N
P20	709297-01
P21	709297-01
S21	709297-05
S22	709297-05
S24	709297-02

NAMEPLATE - Item 6

Spool Code	P/N	Spool Code	P/N
P1	1500011-C1	S2	1500011-O2
P4 1500011-M4		S8	1500011-T8
P11	1500011-N11	S24	1500011-TS24A
P20	1500011-E20	S21	1500011-O2
P21	1500011-F21	S22	1500011-O2
P23	1500011-CS23	S24	1500011-T8



BV18 Single/Double



BODIES - Item 1

Part Number	t Number Description		
1550003	Individual Body - Series or Parallel		
1550032	Individual Body - Series or Parallel w/added		
	Tank Ports for Tank Port Reliefs		

SPOOLS - Item 2

Spool Code	Spool	
1	697601	
2	697602	
4	697604	
9	1302128	
11	697611	
20	697620	

SPRING - Item 8

Spool Code	Spring
1	697625
2	1550089
4	697625
9	1550089
11	697625
20	697625

SOLENOID TUBES - Item 3

Part Number	Description
697714	AC Tube Assembly
697717	DC Tube Assembly

NAMEPLATES - Item 9

Spool Code	Nameplate	Spool Code	Nameplate
1	1550088-C1	9	1550088-T8
2	1550088-O2	11	1550088-N11
4	1550088-M4	20	1550088-E20

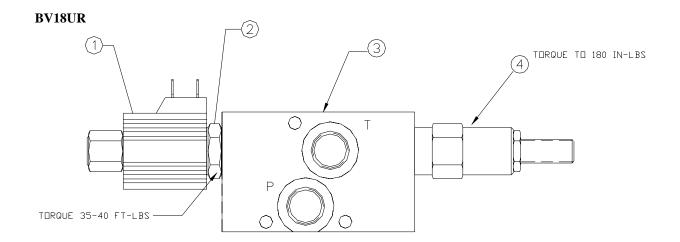
-Parker

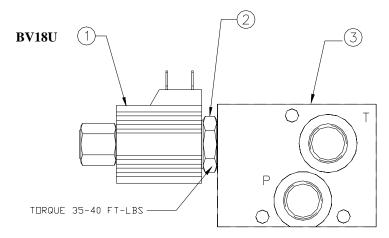
BILL OF MATERIALS			
Item	Part Number	Description	Quantity
1	See Table Below	Body	1
2	See Table Below	Spool	1
3	See Table Below	Solenoid Tube	2
4	See Table Below	Coil	2
5	697981	Retainer	2
6	697647	Coil Seal	2
7	988-8x14x1	Centering Washer	2
8	See Table Below	Centering Spring	2
9	See Table Below	Name Plate	1
10	697649	End Cap	1
11*	2013N-9	Section O-Ring	2
12	697627	Push Pin	2
13	3907N-9	O-Ring	2

^{*} Section O-Ring Not Shown

COILS - Item 4

Part Number	Description
697228	120 VAC DIN
697229	240 VAC DIN
697458	24 VDC SPADE
1550090-10	10 VDC, 24 Watt Dual Spade Coil
1550090-12	12 VDC, 24 Watt Dual Spade Coil
1550090-24	24 VDC, 24 Watt Dual Spade Coil
1550091-10	10 VDC, 30 Watt Dual Spade
1550091-12	12 VDC, 30 Watt Dual Spade
1550091-24	24 VDC, 30 Watt Dual Spade
1550092-12	12 VDC, 24 Watt Dual Spade
1550092-24	24 VDC, 24 Watt Dual Spade
1550093-10	10 VDC, 30 Watt Dual Wire
1550093-12	12 VDC, 30 Watt Dual Wire
1550093-24	24 VDC, 30 Watt Dual Wire
1550094-12	12 VDC, 24 Watt DIN
1550094-24	24VDC, 24 Watt DIN
1550095-12	12 VDC, 30 Watt DIN
1550095-24	24 VDC, 30 Watt DIN
1550132-012VDC	12 VDC, Hvy Duty Single Screw
1550139-12	12 VDC, 30 Watt Double Screw
1550139-24	24 VDC, 30 Watt Double Screw





Coil Chart - Item 1

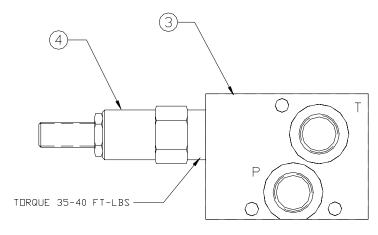
Code Part number			
D	S8LDD***		
Р	S8LPD***		
W	S8LWD***		

^{***} Need to supply voltage

Cartridge Solenoid Valve - Item 2

Part Number	Description
DSH081N	No Manual Override
DSH081NRE	Push-Type w/Extended Rod (N.O Only)
DSH081NRM	Push-Type w/Flush Rod (N.O Only)

BV18MR



Block - Item 3

Code	Part Number
MR	1550006
U	1550006
UR	1550010

Relief Valve - Item 4

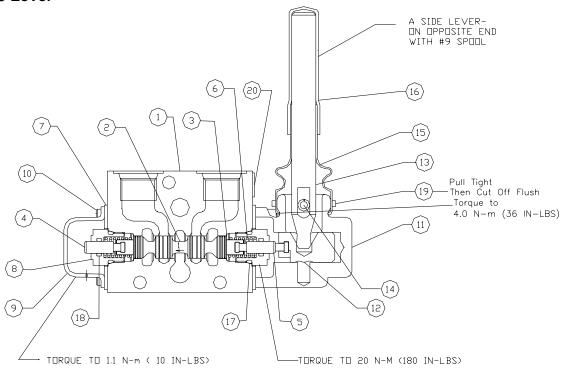
Part Number	Description
RDH103S10	100 - 1000 PSI (Pre-Set @ 500 PSI)
RDH103S20	500 - 2000 PSI (Pre-Set @ 1000 PSI)
RDH103S30	1000 - 3000 PSI (Pre-Set @ 1500 PSI)
RDH103S50	2000 - 5000 PSI (Pre-Set @ 2500 PSI)
RDH103K10	100 - 1000 PSI (Pre-Set @ 500 PSI)
RDH103K20	500 - 2000 PSI (Pre-Set @ 1000 PSI)
RDH103K30	1000 - 3000 PSI (Pre-Set @ 1500 PSI)
RDH103K50	2000 - 5000 PSI (Pre-Set @ 2500 PSI)

O-Rings - Not Shown

Part Number	Quantity
2019N-7	1
2013N-7	1



BV18 Lever



BILL OF MATERIALS

Item	Part Number	Description	Quantity
1	See Table 1	Body	1
2	See Table 1	Spool	1
3	988-8X14X1	Centering Washer	2
4	697667	Push Rod	1
5	697668	Push Rod	1
6	697666	Spring	2
7	697535	Gasket	2
8	697665	End Cap	2
9	1300807	Cover Plate	1
10	210X97	Cap Screw	8
11*	693205	Housing	1
12	697671	Actuator	1
13	1300990	Lever	1
14	99X131	Roll Pin	1
15	1300459	Boot	1
16	693208	Handle Grip	1
17	3907N-9	O-Ring	2
18	2010N-7	O-Ring	2
19	1300585	Cable Tie	1
20	See Table 1	Name Plate	1
21*	2013N-9	Section O-Ring	1

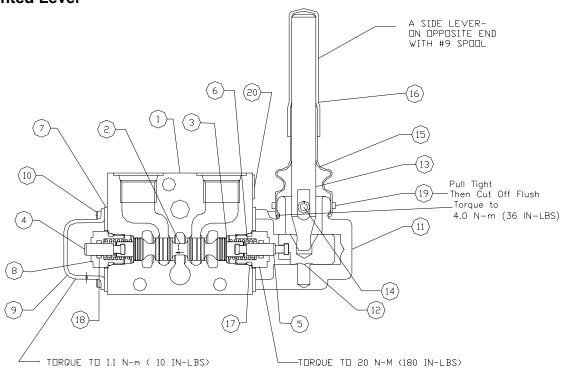
^{*} Section O-Ring Not Shown

Table 1

Spool Code	Tank Code	Spool	Body	Nameplate
1	Omit	697701	1550003	1550088-C1
1	Т	697701	1550032	1550088-C1
2	Omit	697702	1550003	1550088-O2
2	Т	697702	1550032	1550088-O2
4	Omit	697704	1550003	1550088-M4
4	Т	697704	1550032	1550088-M4
9	Omit	697709	1550002	1550088-T8
9	Т	697709	1550033	1550088-T8
11	Omit	697711	1550003	1550088-N11
11	Т	697711	1550032	1550088-N11
20	Omit	697701	1550003	1550088-E20
20	Т	697701	1550032	1550032-E20



Detented Lever



BILL OF MATERIALS

Item	Part Number	Description	Quantity
1	See Table 1	Body	1
2	See Table 1	Spool	1
3	988-8X14X1	Centering Washer	2
4	697667	Push Rod	1
5	697668	Push Rod	1
6	693021	Spring	2
7	697535	Gasket	2
8	1301946	End Cap	2
9	1300807	Cover Plate	1
10	210X97	Cap Screw	8
11*	693205	Housing	1
12	697669	Actuator	1
13	1300990	Lever	1
14	99X131	Roll Pin	1
15	1300459	Boot	1
16	693208	Handle Grip	1
17	3907N-9	O-Ring	2
18	2010N-7	O-Ring	2
19	1300585	Cable Tie	1
20	See Table 1	Name Plate	1
21*	2013N-9	Section O-Ring	1

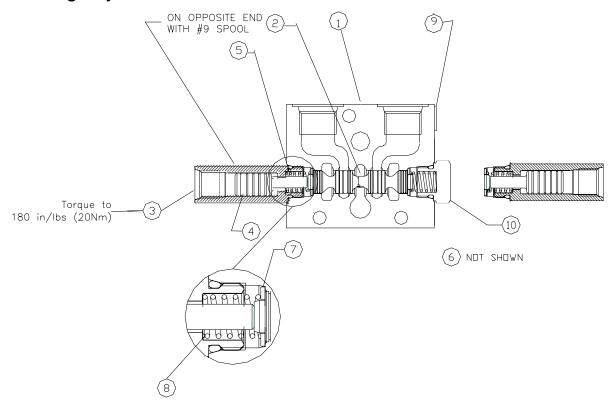
^{*} Section O-Ring Not Shown

Table 1

Spool Code	Tank Code	Spool	Body	Nameplate
1	Omit	697701	1550003	1550088-C1
1	Т	697701	1550032	1550088-C1
2	Omit	697702	1550003	1550088-O2
2	Т	697702	1550032	1550088-O2
4	Omit	697704	1550003	1550088-M4
4	Т	697704	1550032	1550088-M4
9	Omit	697709	1550002	1550088-T8
9	Т	697709	1550033	1550088-T8
11	Omit	697711	1550003	1550088-N11
11	Т	697711	1550032	1550088-N11
20	Omit	697701	1550003	1550088-E20
20	Т	697701	1550032	1550032-E20



Dual/Single Hydraulic Pilot



BILL OF MATERIALS

Item	Part Number	Description	Quantity
1	See Table 1	Body	1
2	See Table 1	Spool	1
3	1550087	Pilot Housing	2/1
4	1550085	Piston Pilot	2/1
5	3907N-7	O-Ring	2
6	2013N-9	Section O-Ring	2
7	988-8X14X1	Centering Washer	2
8	See Table 1	Centering Spring	2
9	See Table 1	Name Plate	1
10	697649	End Cap	1

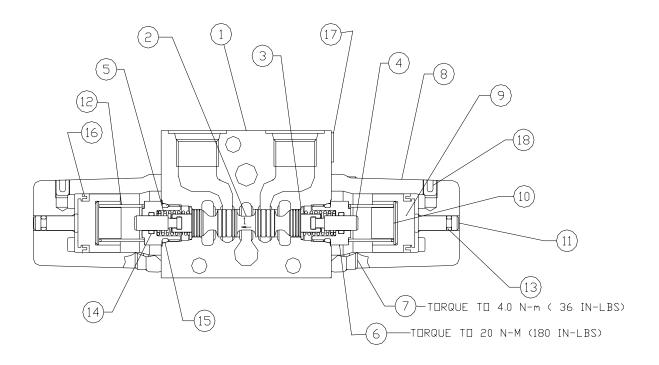
^{*} Section O-Ring Not Shown

Table 1

Spool Code	Tank Code	Spool	Body	Nameplate	Spring
1	Omit	697601	1550003	1550088-C1	697625
1	Т	697601	1550032	1550088-C1	697625
2	Omit	697602	1550003	1550088-O2	1550089
2	Т	697602	1550032	1550088-O2	1550089
4	Omit	697604	1550003	1550088-M4	697625
4	Т	697604	1550032	1550088-M4	697625
9	Omit	697609	1550002	1550088-T8	1550089
9	Т	697609	1550033	1550088-T8	1550089
11	Omit	697611	1550003	1550088-N11	697625
11	T	697611	1550032	1550088-N11	697625
20	Omit	697620	1550003	1550088-E20	697626
20	Т	697620	1550032	1550032-E20	697626



Dual Air Pilot



BILL OF MATERIALS

Item	Part Number	Description	Quantity
1	See Table 1	Body	1
2	See Table 1	Spool	1
3	988-8X14X1	Centering Washer	2
4	697667	Push Rod	2
5	697666	Spring	2
6	697665	End Cap	2
7	210X97	Cap Screw	8
8	693210	Housing	2
9	693028	Piston	2
10	693211	Piston Stop	2
11*	679365	Actuator Pin	2
12	693031	Spring	2
13	2006N-7	O-Ring	2
14	2010N-7	O-Ring	2
15	3907N-9	O-Ring	2
16	693212	U-Cup Seal	2
17	See Table 1	Name Plate	1
18	120x7	Cap Plug	2
19*	2013N-9	Section O-Ring	2

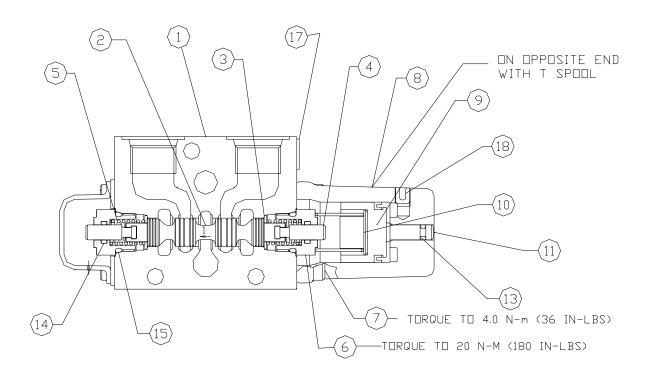
^{*} Section O-Ring Not Shown

Table 1

Spool Code	Tank Code	Spool	Body	Nameplate
1	Omit	697701	1550003	1550088-C1
1	Т	697701	1550032	1550088-C1
2	Omit	697702	1550003	1550088-O2
2	Т	697702	1550032	1550088-O2
4	Omit	697704	1550003	1550088-M4
4	Т	697704	1550032	1550088-M4
9	Omit	1302128	1550002	1550088-T8
9	Т	1302128	1550033	1550088-T8
11	Omit	697711	1550003	1550088-N11
11	Т	697711	1550032	1550088-N11



Single Air Pilot



BILL OF MATERIALS

Item	Part Number	Description	Quantity
1	See Table 1	Body	1
2	See Table 1	Spool	1
3	988-8X14X1	Centering Washer	2
4	697667	Push Rod	2
5	697666	Spring	2
6	697665	End Cap	2
7	210X97	Cap Screw	8
8	693210	Housing	2
9	693028	Piston	2
10	693211	Piston Stop	2
11*	679365	Actuator Pin	2
12	693031	Spring	2
13	2006N-7	O-Ring	2
14	2010N-7	O-Ring	2
15	3907N-9	O-Ring	2
16	693212	U-Cup Seal	2
17	See Table 1	Name Plate	1
18	120X7	Cap Plug	2
19*	2013N-9	Section O-Ring	2
20	1300807	Cover Plate	1

^{*} Section O-Ring Not Shown

Table 1

Spool Code	Tank Code	Spool	Body	Nameplate
1	Omit	697701	1550003	1550088-C1
1	T	697701	1550032	1550088-C1
2	Omit	697702	1550003	1550088-O2
2	T	697702	1550032	1550088-O2
4	Omit	697704	1550003	1550088-M4
4	T	697704	1550032	1550088-M4
9	Omit	1302128	1550002	1550088-T8
9	Т	1302128	1550033	1550088-T8
11	Omit	697711	1550003	1550088-N11
11	T	697711	1550032	1550088-N11

Operation

Bankable valve sections consists of a body with internal passages which are connected and disconnected by a sliding spool in order to control flow entering and exiting the two control ports. This directional control valve in turn controls the forward and reverse motion of wither a hydraulic cylinder or motor. This valve uses either a single or dual solenoid actuator, a single or dual hydraulic pilot, a single or dual air pilot, or spring-return or detented lever to move the spool from one position to the other. The spool directs flow from the pump passage to one of the actuator passages when it is in one of the shifted positions. At the same time, the other actuator passage is connected to the tank port.

The bankable valve section can be used in either a two-position or three-position application. In the two-position configuration, the spool is spring offset to one of the flow positions and shifted to the opposite flow condition. In the three-position configuration, the spool is shifted from a neutral or center position to either of the flow positions. The neutral or center condition is determined by the type pf spool. Bankable valve sections can be banked together to form multi-spool valves (up to six sections). The complete assembly is either parallel or series. By parallel, all bankable spool sections have common pressure and tank lines. By series, the tank line of the first spool section goes directly to the pressure line of the second bankable spool section, and so forth. The entire assembly must be either parallel or series.

Trouble-Shooting		
Sympton	Cause	Solution
Spool Doesn't Center	Return springs weak or broken	Remove and replace springs
	Contamination or burr on spool or bore of body	Remove spool, clean and reassemble
	Solenoid tube contamination	Remove solenoid tube and flush with alcohol
Spool doesn't shift correctly	Solenoid failure	See solenoid burnout section before replacing solenoid coil
	Body distortion	Loosen and retorque tie rod bolts
	Spool sticking	Remove spool, clean, and reassemble
	Contamination	Dissamble and flush system
	Solenoid tube contamination	Remove solenoid tube and flush with alcohol
Incorrect actuator response	Improperly installed electrical connection	Check wiring diagram and rewire
	Improperly installed pipe connections	Check piping diagram and replumb
	Solenoid tube contamination	Remove solenoid tube and flush with alcohol
	Improper pilot pressure	Check pilot source and adjust
Solenoid Burnout	Both solenoids energized at the same time	Check wiring diagram and rewire
	Low voltage	Check line voltage
	High voltage	Check line voltage

Notes: When checking line voltage, always plug in as close to the solenoid coil as possible.

When removing a stick spool, exercise caution not to damage the spool bore (do not use a hammer, coat spool with clean oil before reassembly).



Bankable Control Valves Series BV

Offer of Sale

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7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially

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9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable

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Parker Hannifin Corporation

Hydraulic Valve Division 520 Ternes Avenue Elyria, Ohio 44035 USA

Tel: (440) 366-5200 Fax: (440) 366-5253

www.parker.com/hydraulicvalve

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