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Rail Machine Hydraulic Valve Service Information

Hi Rail ZX85 / ZX75 Valve Service Parts



Issued 09/2026

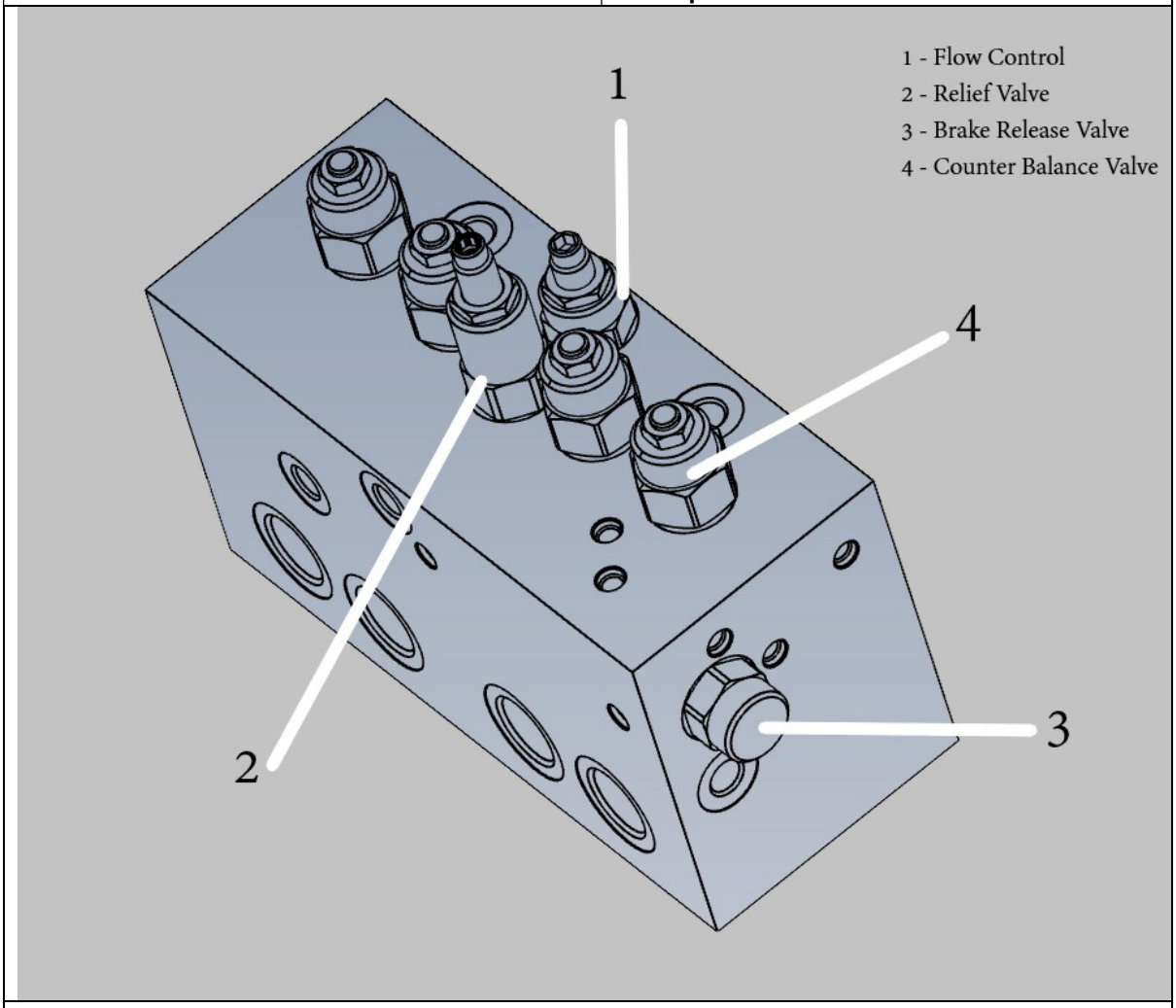
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Manifold Part Number: HSHB470P12CS	**Description:** 8T Hi Rail Drive Manifold



Complete Valve Kit Part Number: HB0055
Description: 8T Drive Manifold Cartridge Kit
BOM:
Item 1: 1x HB0004: *Brake Circuit Flow Control*
Item 2: 1x HB0006: *Brake Circuit Relief Valve*
Item 3: 1x HB0005: *Brake Release Valve*
Item 4: 4x HB0056: *8T Drive Circuit Counter Balance Valve*

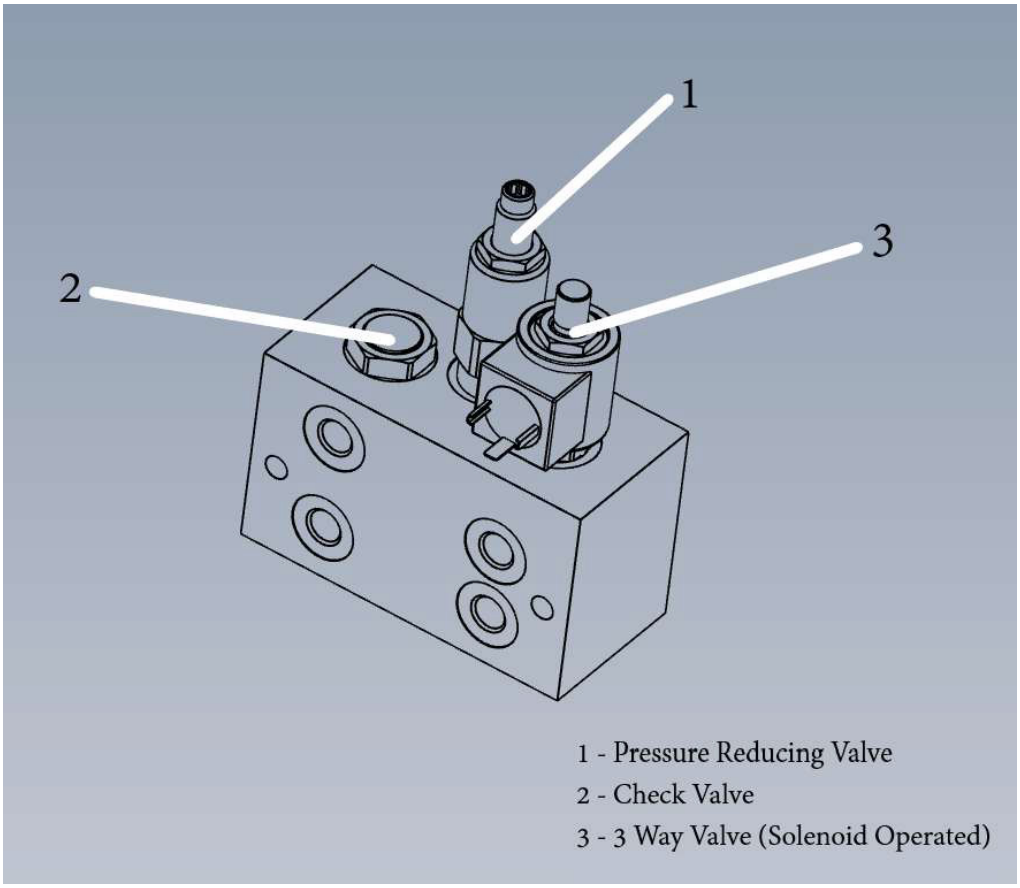
Item Number: 1
Part Number: *HB0004*
Description: *Brake Circuit Flow Control*
Quantity: 1

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Item Number: 2 **Part Number:** *HB0006* **Description:** *Brake Circuit Relief Valve* **Quantity:** 1
Item Number: 3 **Part Number:** *HB0005* **Description:** *Brake Release Valve* **Quantity:** 1
Item Number: 4 **Part Number:** *HB0056* **Description:** *8T Drive Circuit Counterbalance Valve* **Quantity:** 4

Manifold Part Number:HSHB9502P4CRS	**Description:** Poclain Motor Park Brake Controller



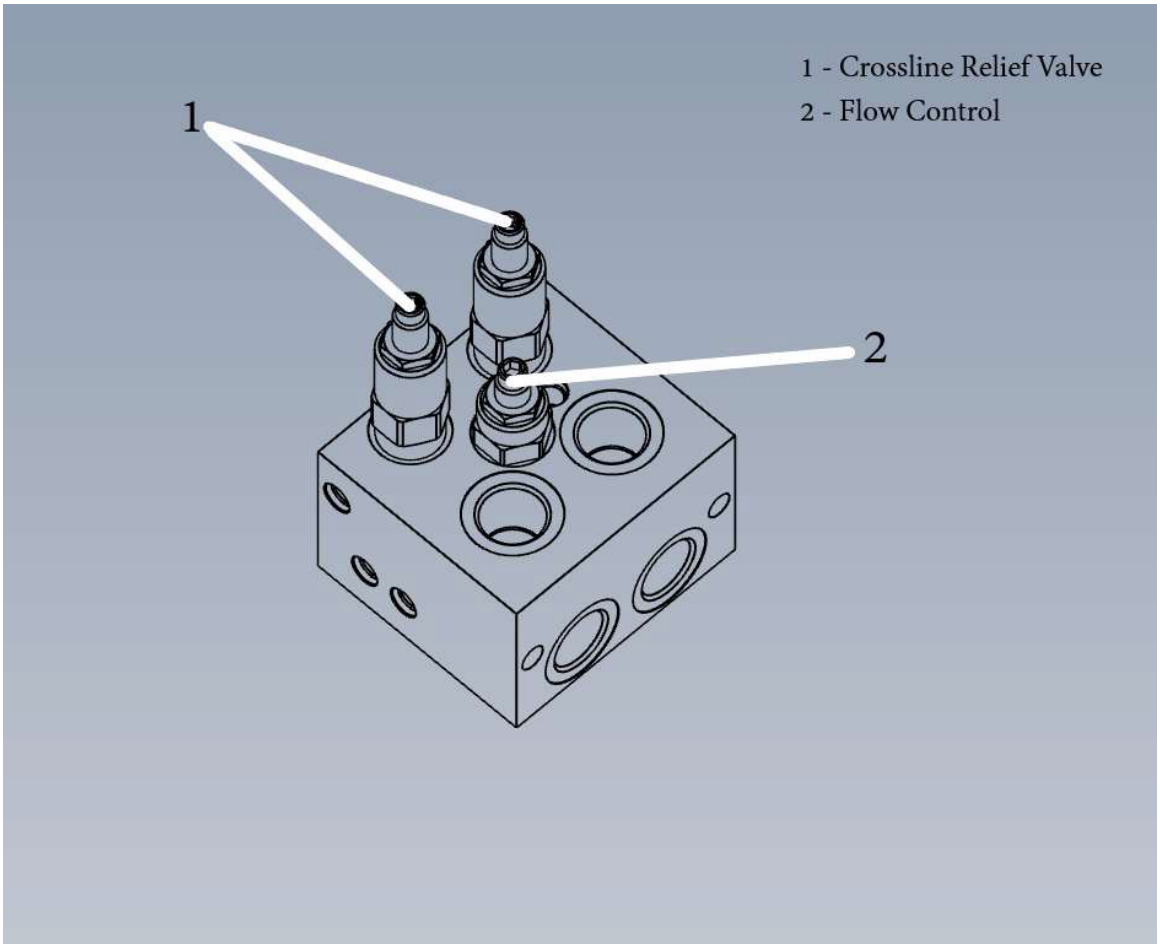
Complete Valve Kit Part Number: HB0057
Description: Poclain Motor Park Brake Controller Kit
BOM:
Item 1: 1x HB0210: *Poclain Park Brake Pressure Reducing Valve*
Item 2: 1x HB0059: *Poclain Park Brake Check Valve*
Item 3: 1x HB0060: *3 Way Valve - Solenoid Operated*

Item Number: 1
Part Number: HB0210
Description: *Poclain Park Brake Pressure Reducing Valve*
Quantity: 1

Item Number: 2
Part Number: HB0059
Description: *Poclain Park Brake Check Valve*
Quantity: 1

Item Number: 3
Part Number: HB0060
Description: *3 Way Valve - Solenoid Operated*
Quantity: 1
Note: *Part Number denotes replacement coil*

Manifold Part Number: HSHE1020P12YS (2 Per Unit)	**Description:** Crossline Relief Valves & Flow Control



NOTE – 2 Manifolds Per Unit

Complete Valve Kit Part Number: HB0061
Description: Crossline Relief Valves & Flow Control Kit
BOM:
Item 1: x2 HB0062: Crossline Pressure Relief Valve
Item 2: x1 HB0063: Needle Flow Control

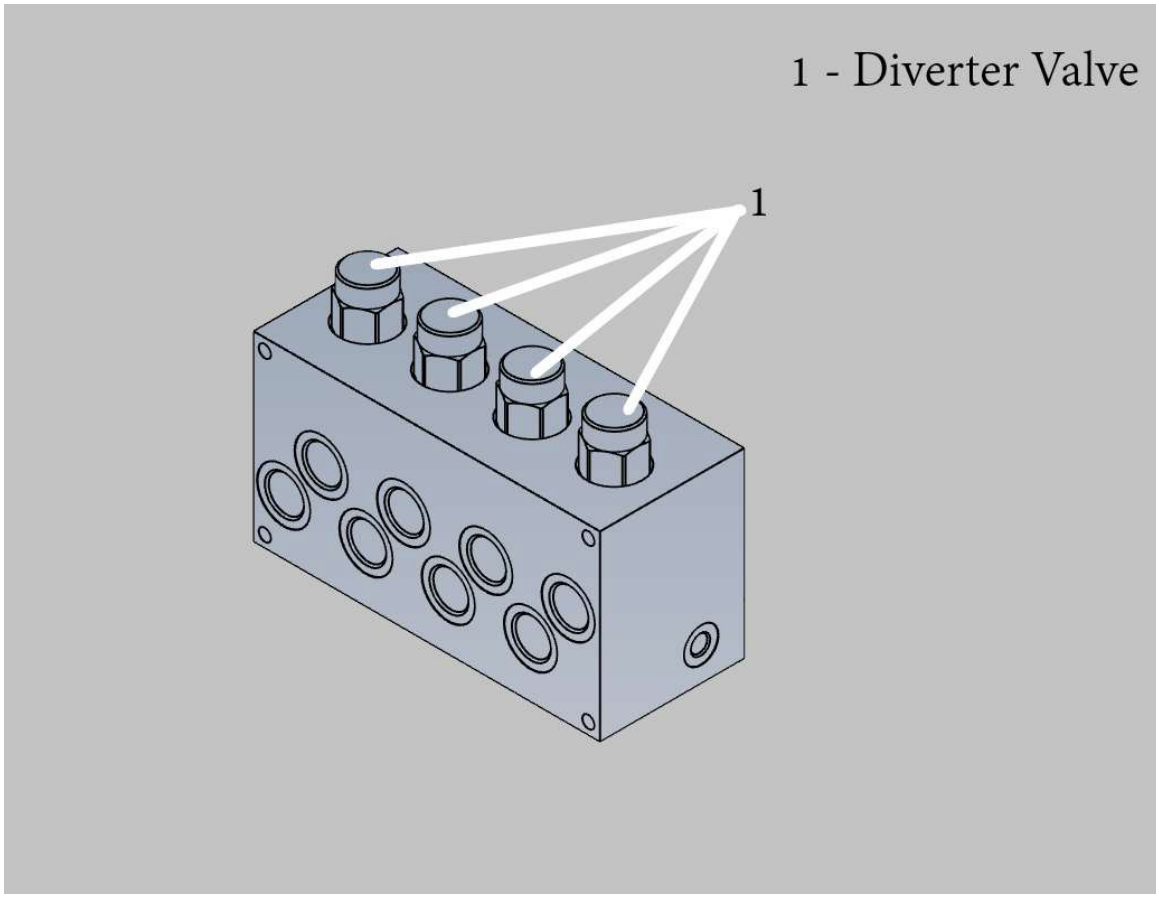
Item Number: 1
Part Number: HB0062
Description: Crossline Pressure Relief Valve
Quantity: 2 (Per Manifold)

Item Number: 2
Part Number: HB0063
Description: Needle Flow Control
Quantity: 1 (Per Manifold)

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Manifold Part Number: HSHB9302P12DS	**Description:** Diverter Valve (PD12 Variant)



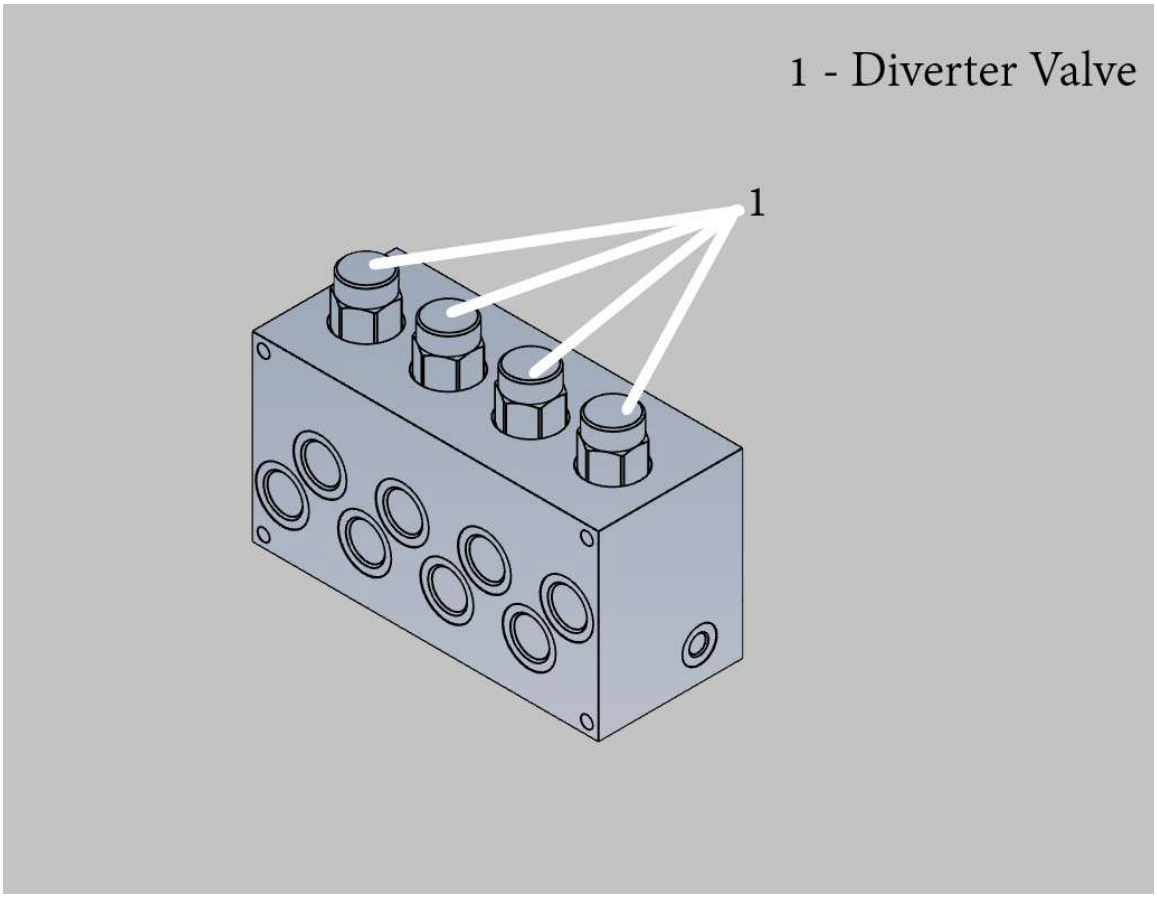
NOTE – MACHINE WILL HAVE EITHER PD12's OR DCPS12's FITTED - IT IS ONE OR THE OTHER

Item Number: 1
Part Number: HB0064
Description: Diverter Valve (PD12 Variant)
Quantity: 4

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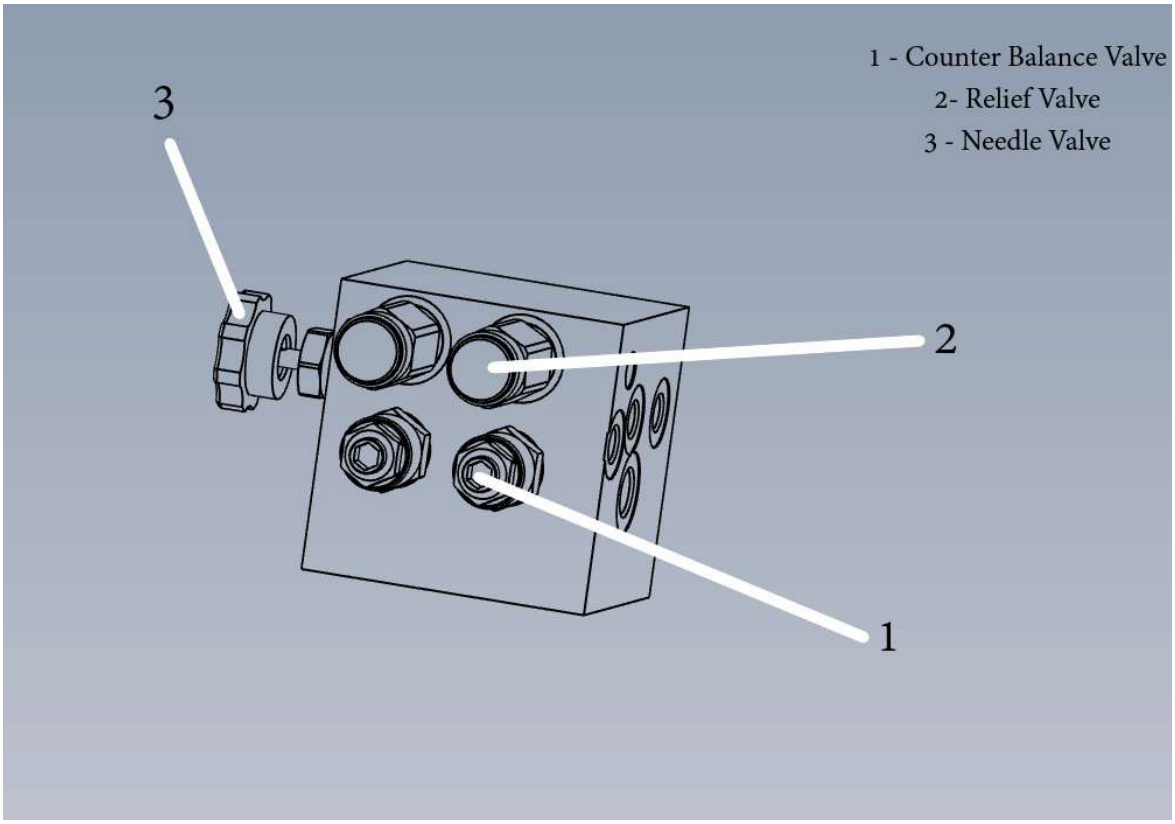
Manifold Part Number: HSHB9303P12DS	**Description:** Diverter Valve (DCPS12 Variant)



NOTE – MACHINE WILL HAVE EITHER PD12's OR DCPS12's FITTED - IT IS ONE OR THE OTHER

Item Number: 1
Part Number: HB0065
Description: Diverter Valve (DCPS12 Variant)
Quantity: 4

Manifold Part Number: HSHB6002P6BES	**Description:** Twist Lock Cylinder Relief Valves



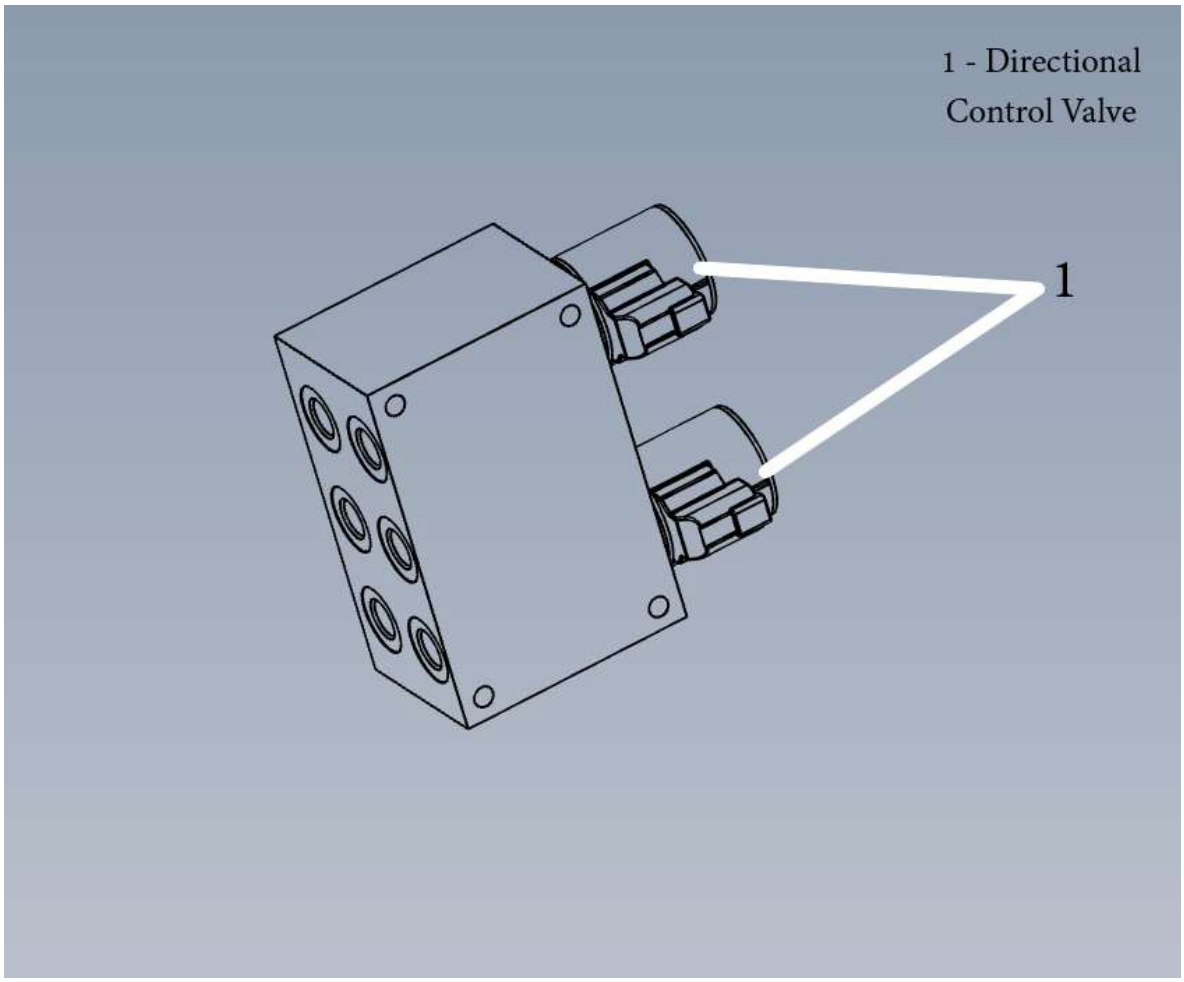
Complete Valve Kit Part Number: HB0066
Description: Twist Lock Cylinder Relief Valve Kit
BOM:
Item 1: x2 HB0067: *Counterbalance Valve - Twist Lock Circuit*
Item 2: x2 HB0068: *Pressure Relief Valve - Twist Lock Circuit*
Item 3: x1 HB0069: *Needle Valve - Twist Lock Circuit*

Item Number: 1
Part Number: HB0067
Description: *Counterbalance Valve - Twist Lock Circuit*
Quantity: 2

Item Number: 2
Part Number: HB0068
Description: *Pressure Relief Valve - Twist Lock Circuit*
Quantity: 2

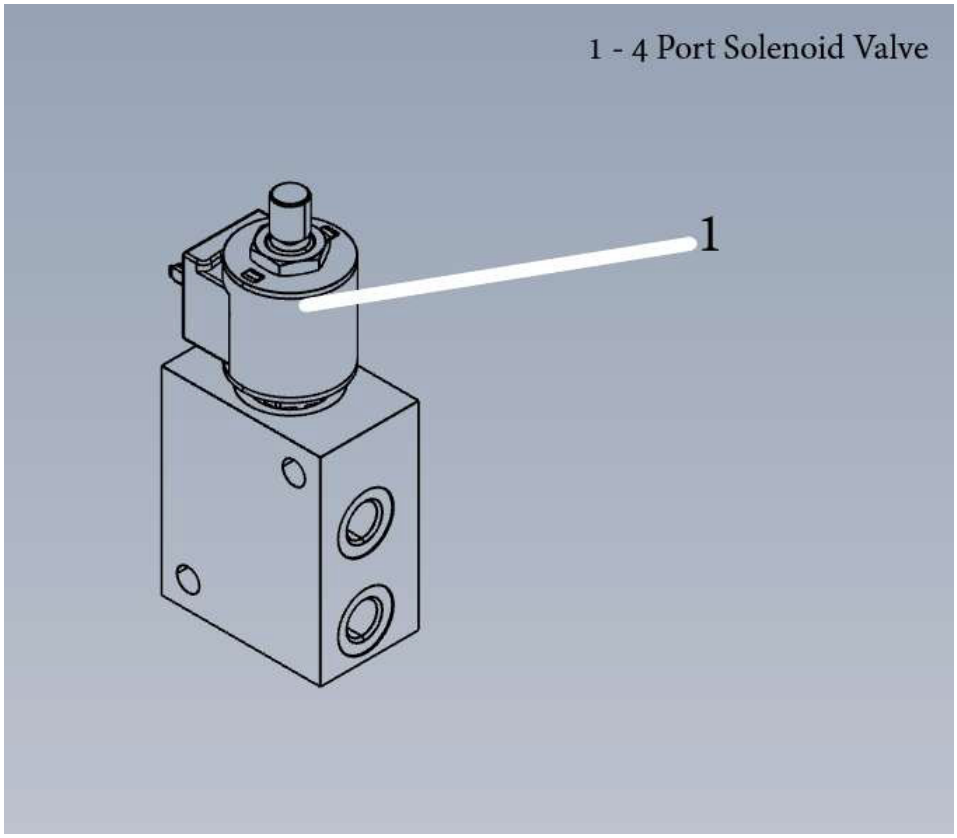
Item Number: 3
Part Number: HB0069
Description: *Needle Valve - Twist Lock Circuit*
Quantity: 1

Manifold Part Number: HSHB9501P6S	**Description:** Selector Valve (Blade Circuit, Rail Gear Deployment



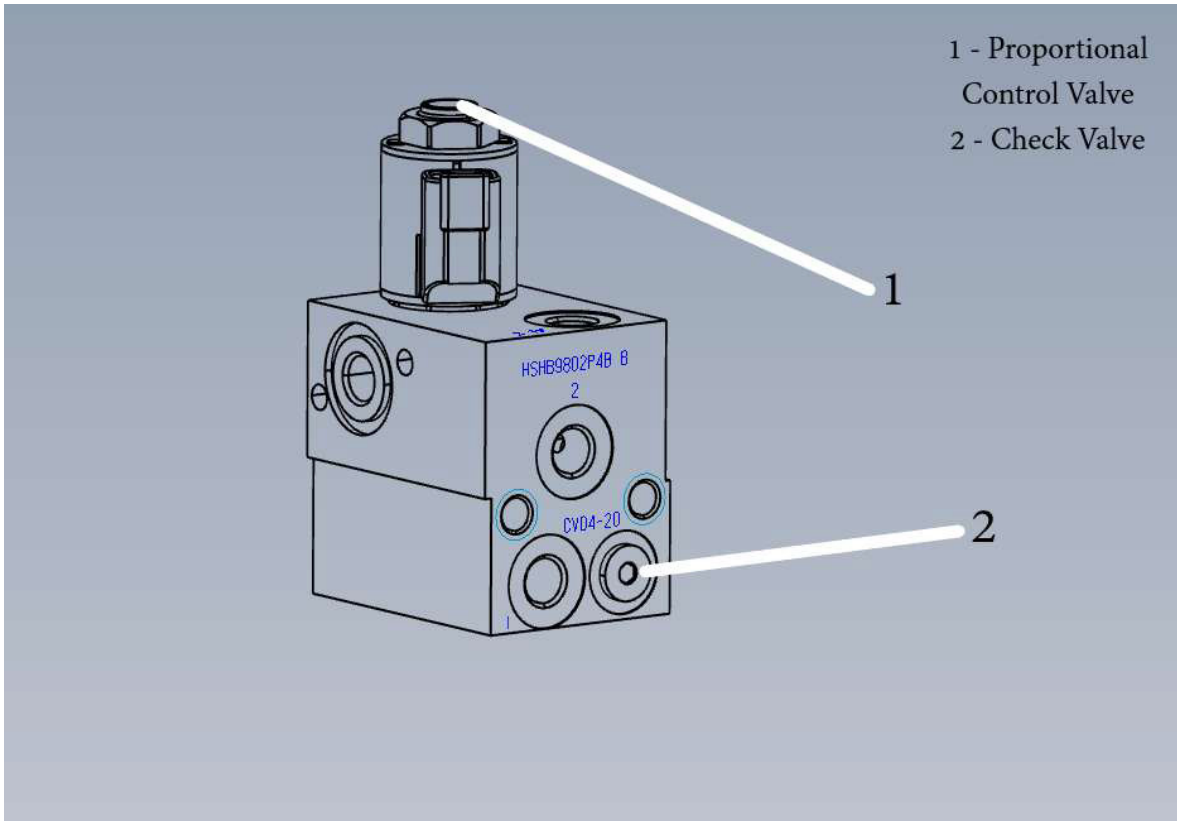
Item Number: 1
Part Number: HB0070
Description: *Directional Control Valve - Solenoid Operated*
Quantity: 2
Note: *Part Number denotes replacement coil*

Manifold Part Number: HS0840P4	**Description:** High Speed Pilot Diverter Valve



Item Number: 1
Part Number: HB0071
Description: *4 Port Solenoid Valve - High Speed Pilot Diverter*
Quantity: 1 **Note:** *Part Number denotes replacement coil*

Manifold Part Number: HSHB9802P4B	**Description:** Height & Slew Proportional Control Valve



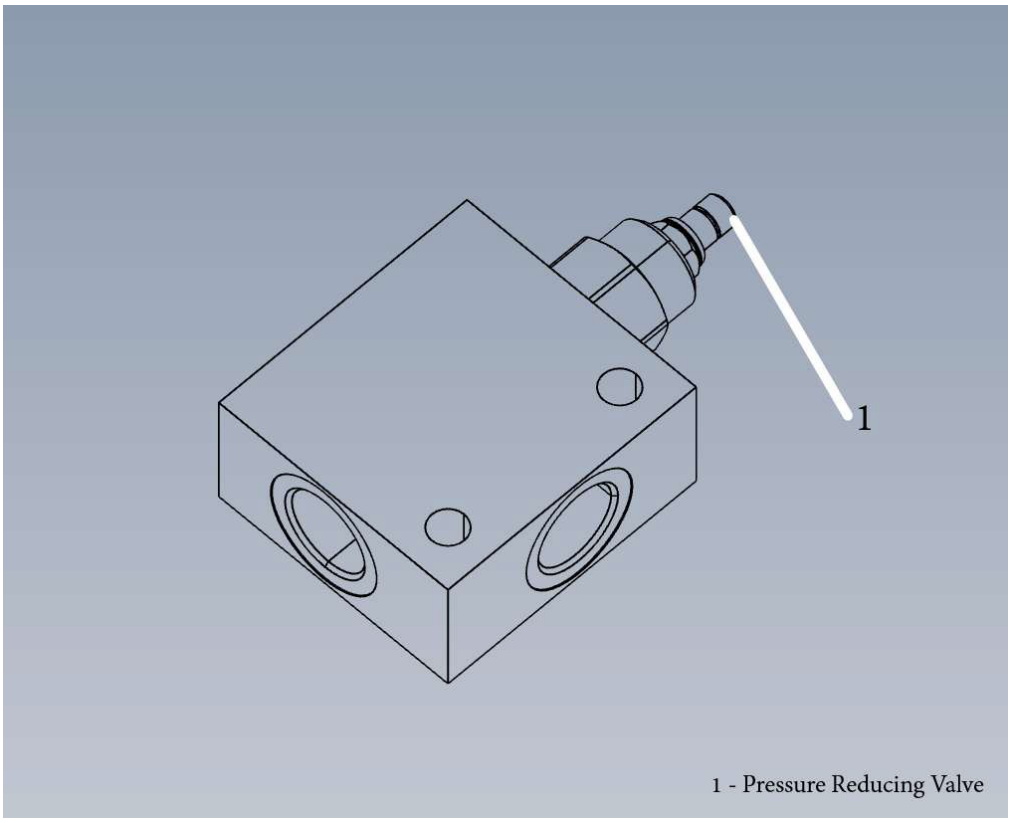
NOTE – 2 (slew limit only) or 4 (height AND slew limit) Manifolds Per Unit

Complete Valve Kit Part Number: HB0072
Description: Height & Slew Proportional Control Valve Kit
BOM:
Item 1: HB0011*:* Proportional Control Valve
Item 2: HB0010: Height & Slew Check Valve

Item Number: 1
Part Number: HB0011
Description: Proportional Control Valve
Quantity: 2 OR 4
Note: *Part Number denotes replacement coil*

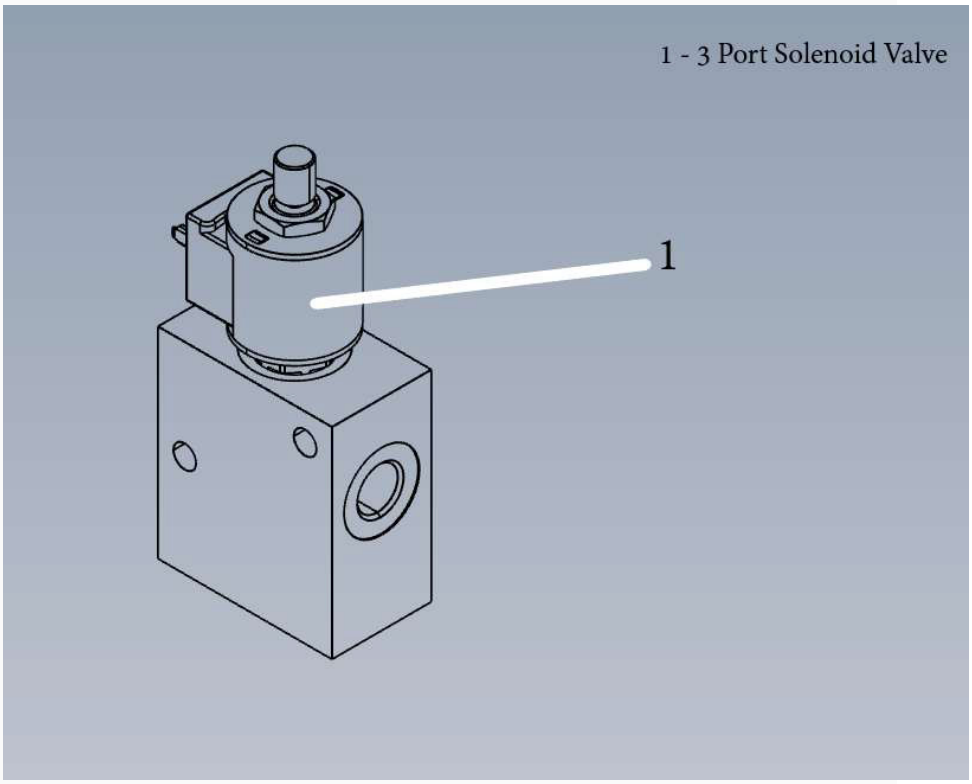
BOM:
Item Number: 2
Part Number: HB0010
Description: Height & Slew Check Valve
Quantity: 2 OR 4

Manifold Part Number: BCW/S	**Description:** Tiltrotator (Pressure Reducer)



Item Number: 1
Part Number: HB0008
Description: Pressure Reducer - Tiltrotator
Quantity: 1

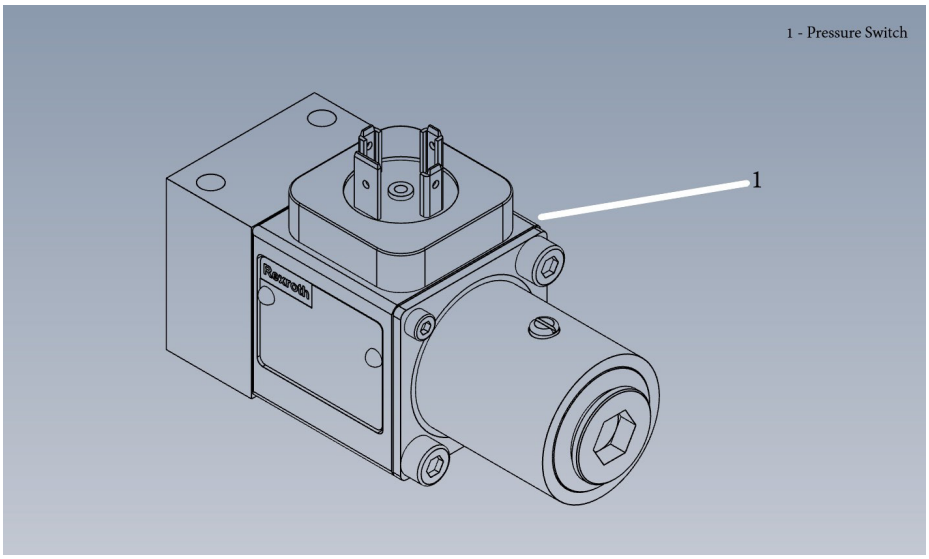
Manifold Part Number: HS0830P6	**Description:** 3 Port Solenoid Valve (Hi/Low Valve & Swing Boom Lockout)



NOTE – 2 Manifolds Per Unit

Item Number: 1
Part Number: HB0060 - ALSO IN ABOVE KIT
Description: 3 Port Solenoid Valve - Hi/Low Valve & Swing Boom Lockout
Quantity: 2
Note: *Part Number denotes replacement coil*

Manifold Part Number: HED 8 OA-2X/50K14	**Description:** Pressure Switch (Directional Lighting, Brake Indication & Tiltrotator Circuit)



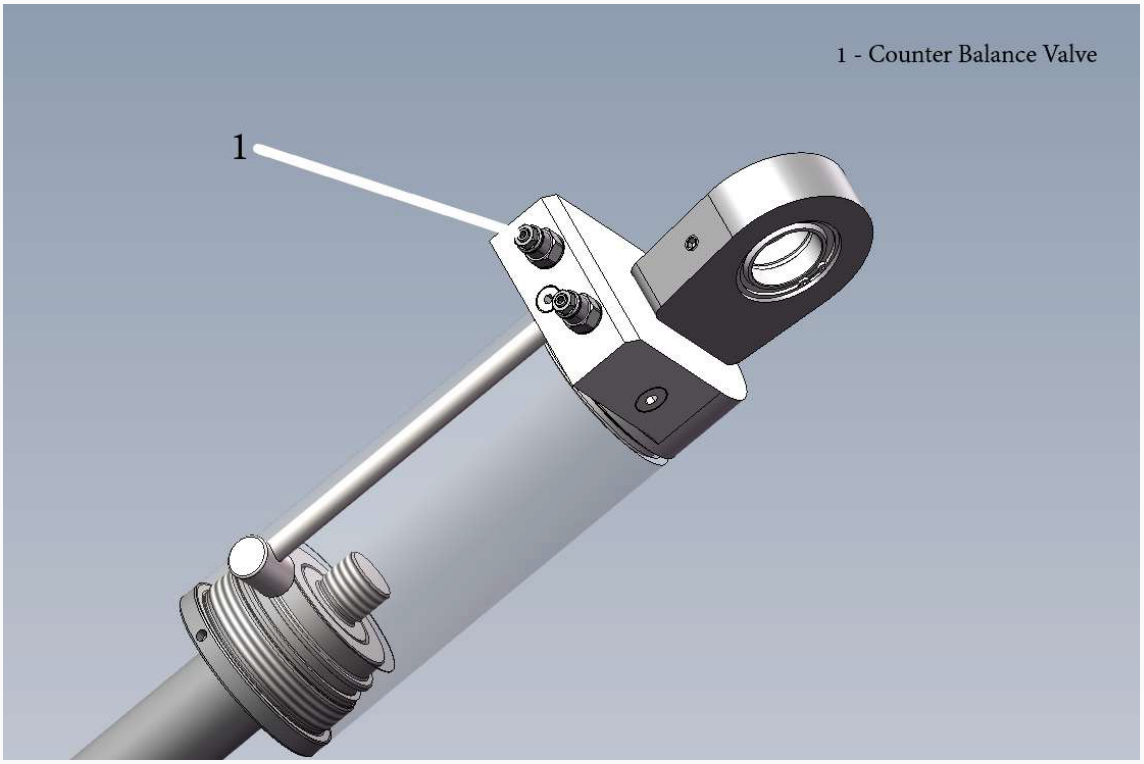
Item Number: 1
Part Number: HB0073
Description: *Piston Style Pressure Switch*
Quantity: 3

Manifold Part Number: DFE10/3A-18ES-W-24DC	**Description:** 3 Port Diverter Valve (Tiltrotator)



Part Number: HB0074
Description: *3 Port Diverter Valve - Tiltrotator*
Quantity: 1

Manifold Part Number: N/A – Fit's all HB Deployment Cylinders	**Description:** *HB Deployment Cylinder Counterbalance Valve*



Item Number: 1
Part Number: HB0128 Counterbalance Valve
Description: *LJN Counterbalance Valve*
Quantity: 8

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