HARRYBILT ENGINEERING

KEEPING YOU ON TRACK FOR 40 YEARS ESTABLISHED IN 1985

Rail Machine Hydraulic Valve Service Information

Hi Brid Hitachi 140/170W



Issued 3/09/2026

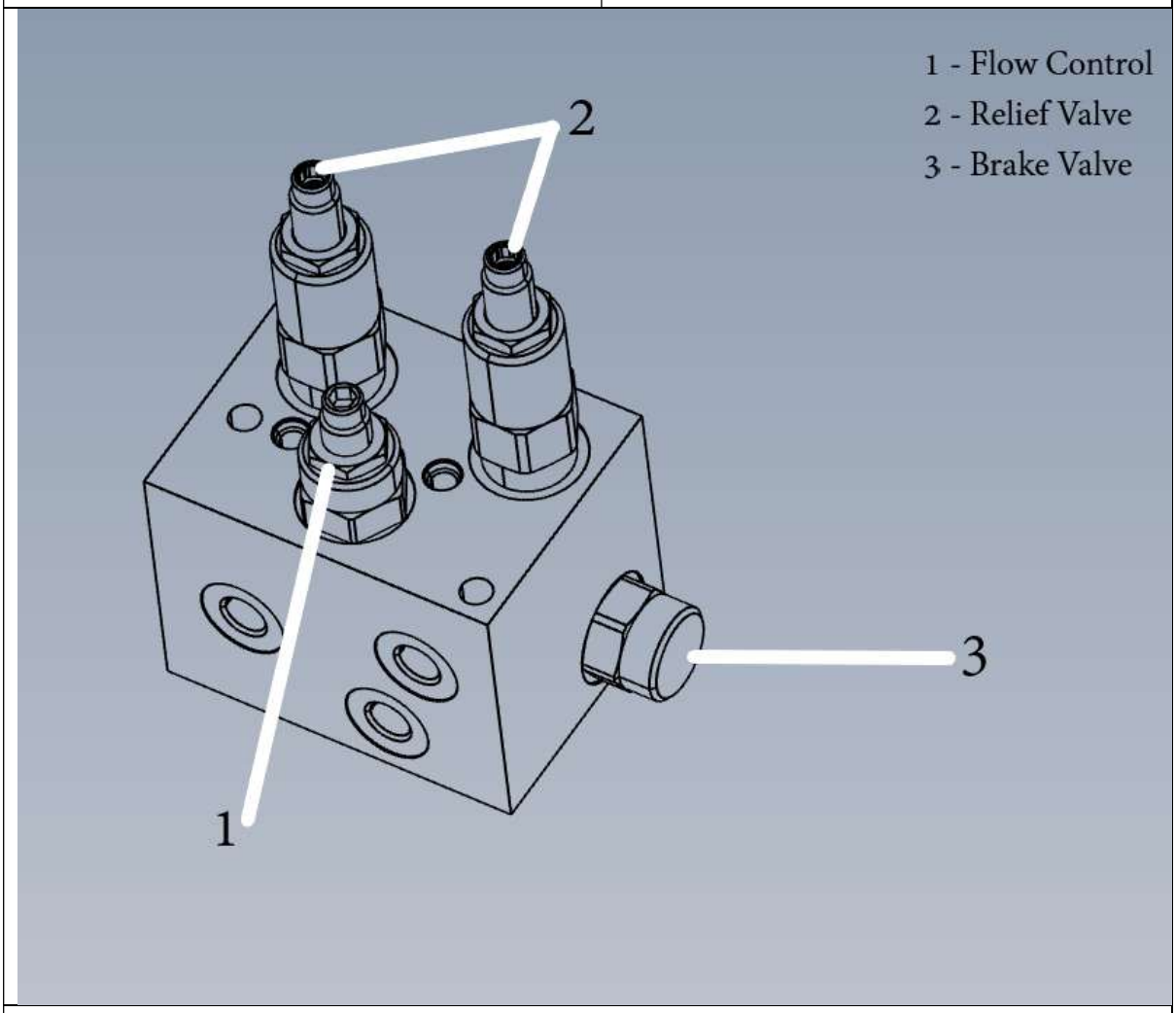
HARRYBILT ENGINEERING IS THE ONE STOP SHOP FOR ALL YOUR RAIL NEEDS

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Manifold Part Number: HSHB9205P4CS	**Description:** Brake Release Manifold (Flow Control & Pressure Relief)



Complete Valve Kit Part Number:
Description: Brake Release Manifold (Flow Control & Pressure Relief)
BOM:
Item 1: 1x HB0004: *Brake Circuit Flow Control*
Item 2: 2x HB0006: *Brake Circuit Relief Valve*
Item 3: 1x HB0005: *Brake Release Valve*

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

Item Number: 2
Part Number: HB0006
Description: *Brake Circuit Relief Valve*

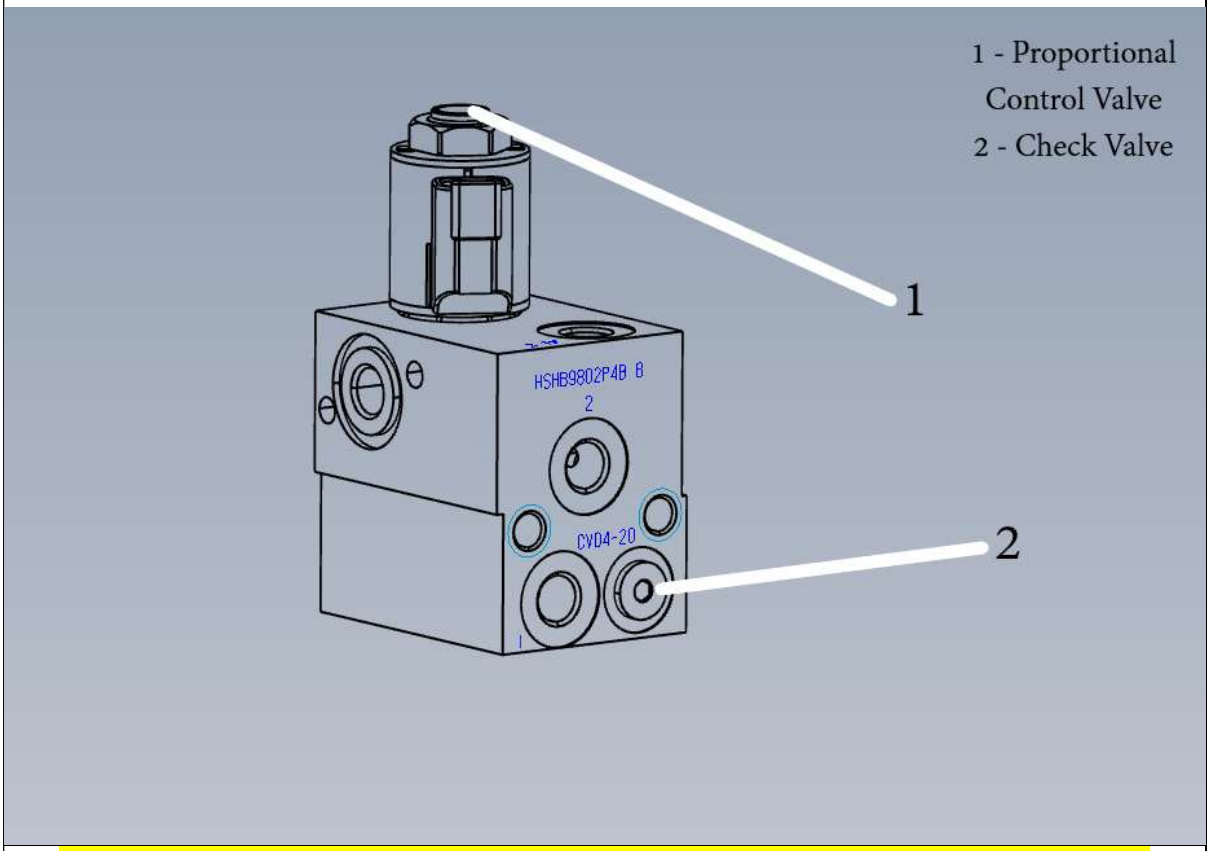
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Quantity: 2
Item Number: 3 **Part Number:** HB0005 **Description:** *Brake Release Valve* **Quantity:** 1

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



NOTE – 2 (slew limit only) or 5 (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

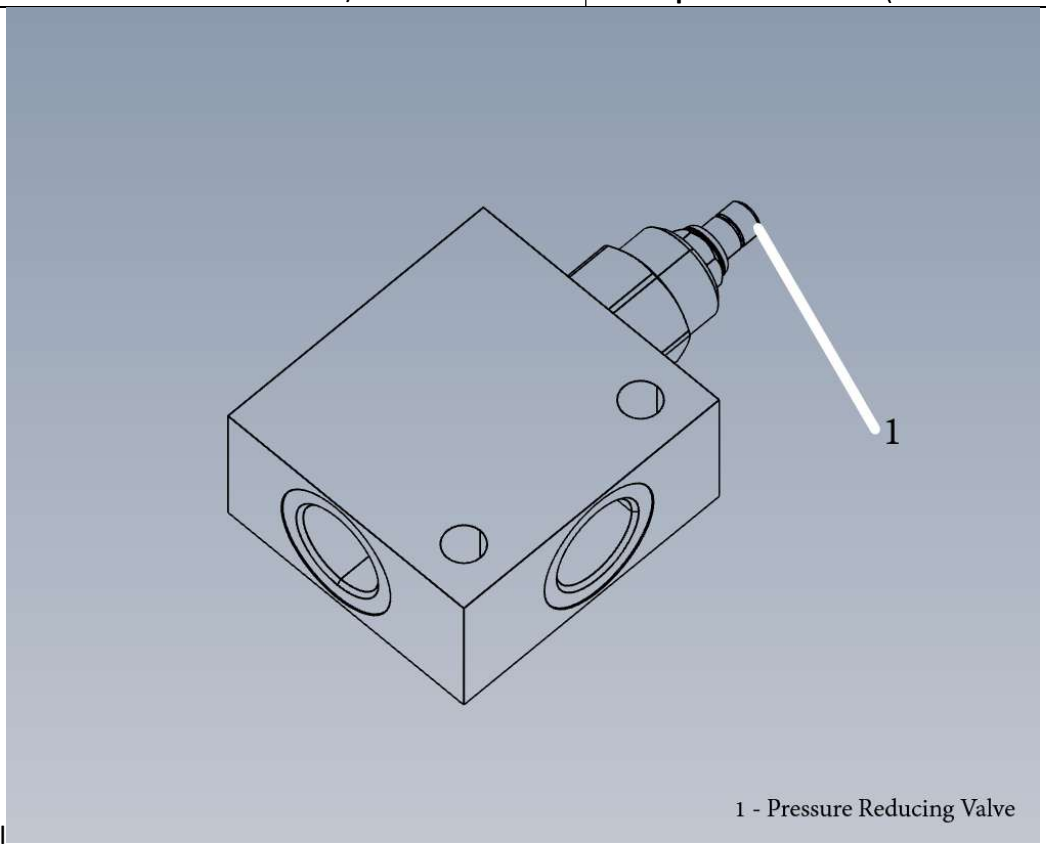
Item Number: 1
Part Number: HB0011
Description: Proportional Control Valve
Quantity: 2 OR 5
Note: *Part Number denotes replacement coil*

BOM:
Item Number: 2
Part Number: HB0010
Description: Height & Slew Check Valve
Quantity: 2 OR 5

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

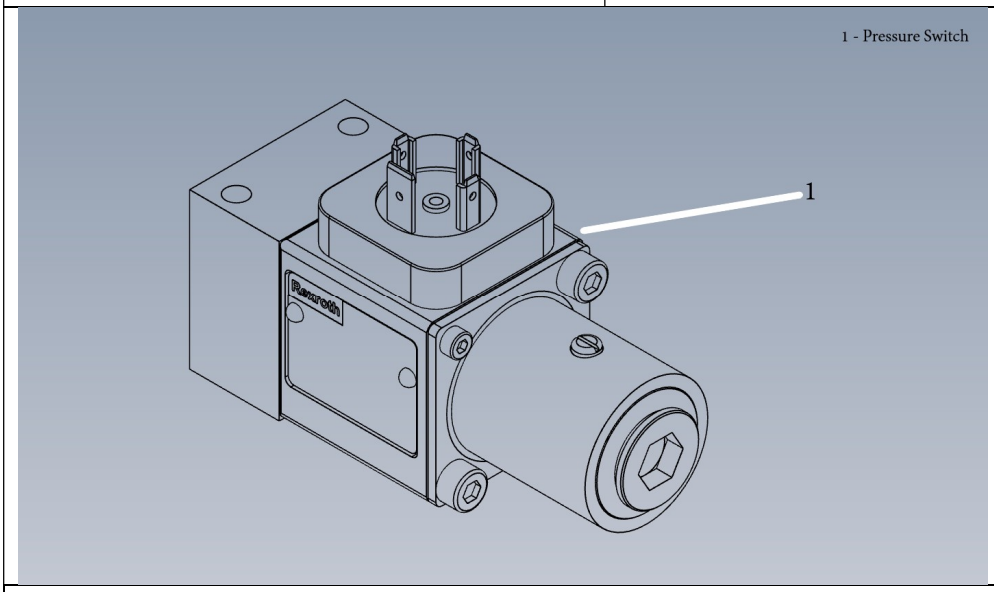


Item Number: 1
Part Number: HB0008
Description: Pressure Reducer - Tiltrotator
Quantity: 1

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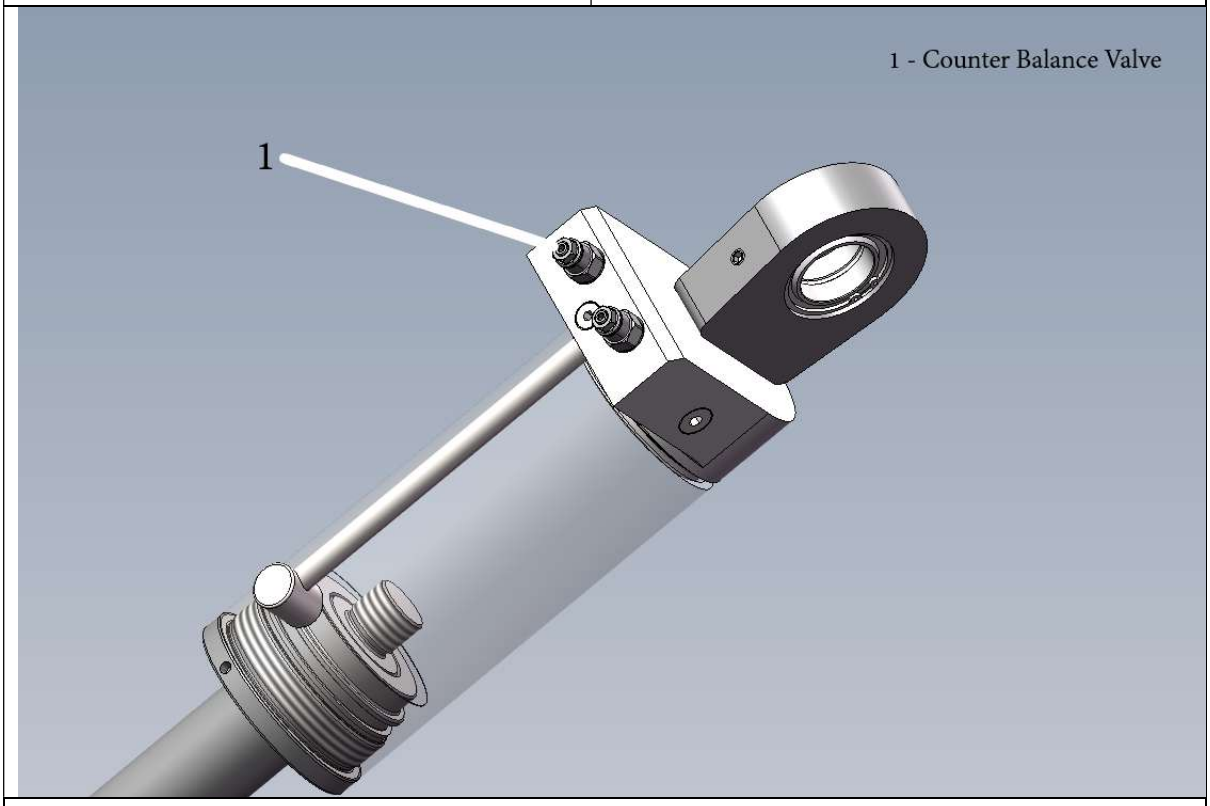
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Manifold Part Number: HED 8 OA-2X/50K14	**Description:** Brake Indication & Tiltrotator Circuit



Item Number: 1
Part Number: HB0073
Description: *Piston Style Pressure Switch*
Quantity: 2

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



Item Number: 1
Part Number: HB0128 CBCG COUNTER BALANCE VALVE:
Description: *HB Deployment Cylinder Counterbalance Valve*
Quantity: 8

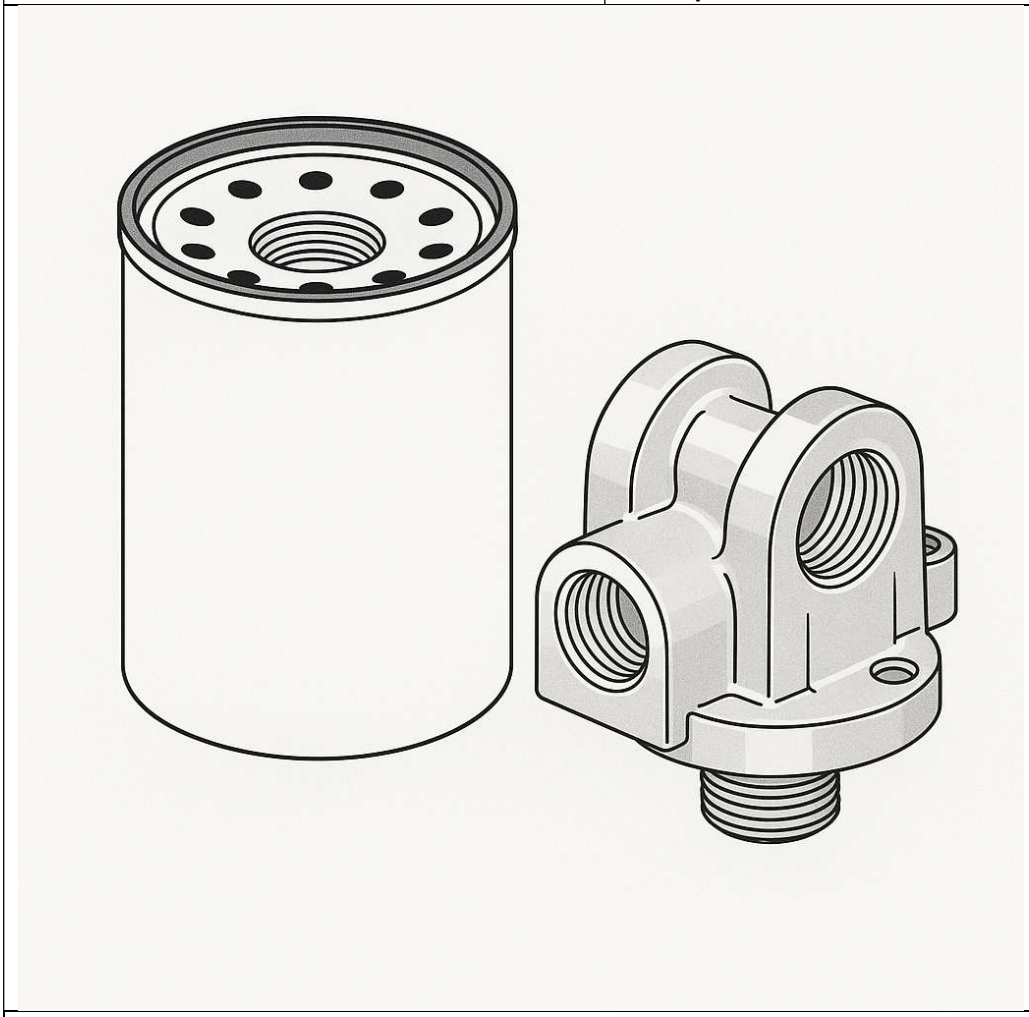
Manifold Part Number: DFE140/6A-18ES-W-24DC	**Description:** 6 Port Diverter Valve (Tiltrotator & Rail Gear Deployment)



Part Number: HB0018
Description: *OEM 6 Port Diverter Valve, Solenoid Control, 24V DC*
Quantity: 3

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Manifold Part Number: FA35-25	**Description:** Case Drain Oil Filter



Part Number: HB0131
Description: *Case Drain Oil Filter*
Quantity: 1

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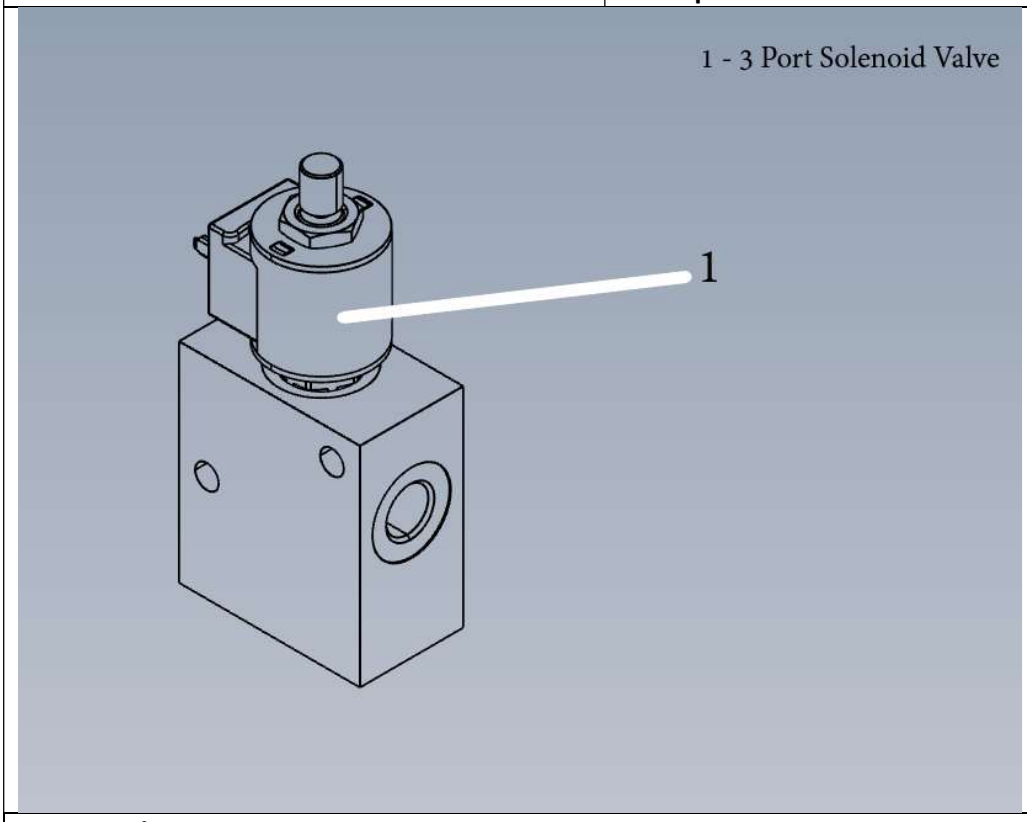
Manifold Part Number: SD4BKDA2	**Description:** Push/Pull Diverter (EMG Recovery)



Item Number: 1
Part Number: HB0218
Description: Push/Pull Diverter (EMG Recovery)
Quantity: 1

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Manifold Part Number: HS0830P6	**Description:** 3 Port Solenoid Valve (Park Brake)



Item Number: 1
Part Number: HB0060
Description: 3 Port Solenoid Valve (Park Brake)
Quantity: 1
Note: *Part Number denotes replacement coil*

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IF YOU REQUIRE ANY MORE ASSISTANCE, PLEASE CALL OUR TEAM AND SOMEONE WILL BE ABLE TO HELP
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