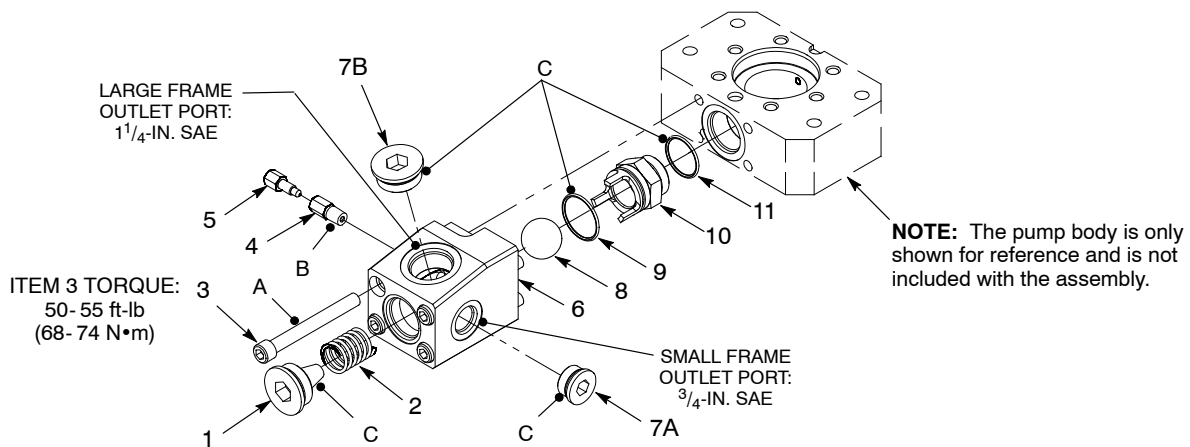


Rhino[®] SD/SD2/XD/XD2

3/4- and 1 1/4-Inch Ball Check Valves

Standard Ball Check Valves

SD2/XD2 65:1 Pumps with 5.8 Cubic Inch Hydraulic Sections



SPECIFICATIONS

Maximum Material Pressure: 6000 psi (413 bar)
Opening Pressure: 20 psi (1.4 bar)
Large Frame Outlet Port Size:
1 1/4-in. SAE, size 20 O-ring boss, 1 5/8-12 UNF-2B thread
Small Frame Outlet Port Size:
3/4-in. SAE, size 12 O-ring boss, 1 1/16-12 UNF-2B thread

LUBRICATION POINTS

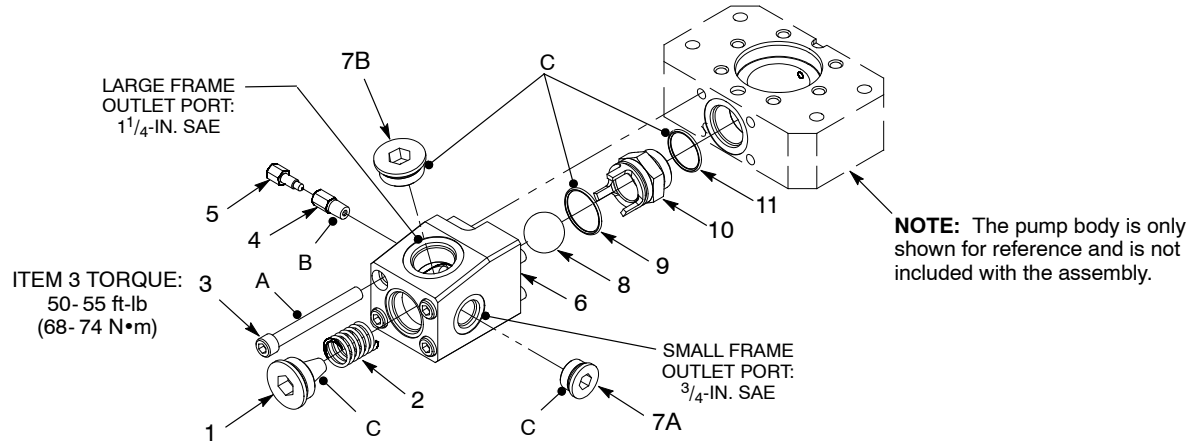
Item A: Apply NEVER SEEZ (part 900334) before installing.
Item B: Apply pipe adhesive (part 900481) before installing.
Item C: Apply lubricant (part 1612251) to O-rings before installing.

NOTE: The small frame check valve can be rotated 180° to change the position of the outlet port.

Item	Part	Part	Part	Description	Qty
—	1107466			Check valve, depressurization, large frame	1
—		1107467		Check valve, bleeder, large frame	1
—			1107468	Check valve, bleeder, small frame	1
1	- - - - -	- - - - -	- - - - -	• Plug, SAE, 1 5/8-12	1
2	987066	987066	987066	• Spring, 2 x 1.225 x 0.125	1
3	1058448	1058448	1058448	• Screw, 1/2-13 x 5.0	4
4	- - - - -	124698	124698	• Body, bleeder valve	1
5	- - - - -	124697	124697	• Poppet, screw adjustment	1
6	1084970	1084970	1084970	• Body, check valve	1
7A	973591	973591	- - - - -	• Plug, O-ring, 1 1/16-12, (only for large frame; not included with small frame)	1
7B	- - - - -	- - - - -	973477	• Plug, O-ring, 1 1/4-12, (only for small frame; not included with large frame)	1
8	900006	900006	900006	• Ball, 440, 1.5, 1	1
9	1041272	1041272	1041272	• O-ring, -131, Viton, 1.674 I.D., 0.103 w	1
10	1039067	1039067	1039067	• Seat, ball	1
11	303706	303706	303706	• O-ring, -920, Viton, 1.475 I.D., 0.118 w	1

Standard Ball Check Valves *(contd)*

SD/XD 65:1 Pumps with 5.8 Cubic Inch Hydraulic Sections and SD/SD2/XD/XD2 48:1 Pumps with 8.1 Cubic Inch Hydraulic Sections



SPECIFICATIONS

Maximum Material Pressure: 6000 psi (413 bar)

Opening Pressure: 20 psi (1.4 bar)

Large Frame Outlet Port Size:

1 1/4-in. SAE, size 20 O-ring boss, 1 5/8-12 UNF-2B thread

Small Frame Outlet Port Size:

3/4-in. SAE, size 12 O-ring boss, 1 1/16-12 UNF-2B thread

LUBRICATION POINTS

Item A: Apply NEVER SEEZ (part 900334) before installing.

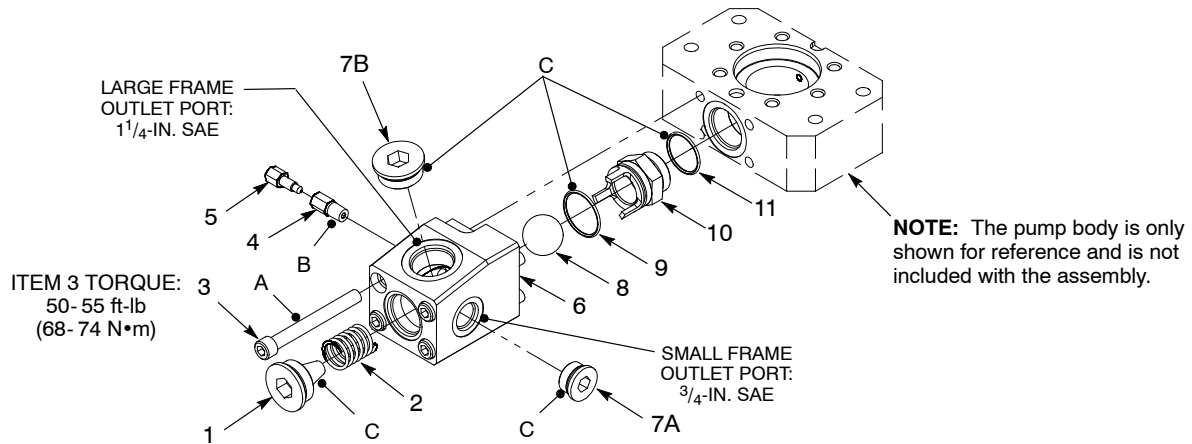
Item B: Apply pipe adhesive (part 900481) before installing.

Item C: Apply lubricant (part 1612251) to O-rings before installing.

NOTE: The small frame check valve can be rotated 180° to change the position of the outlet port.

Item	Part	Part	Part	Description	Qty
—	1085038			Check valve, depressurization, large frame	1
—		1085040		Check valve, bleeder, large frame	1
—			1085041	Check valve, bleeder, small frame	1
1	- - - - -	- - - - -	- - - - -	• Plug, SAE, 1 5/8-12	1
2	987066	987066	987066	• Spring, 2 x 1.225 x 0.125	1
3	1039707	1039707	1039707	• Screw, 1/2-13 x 4.5	4
4	- - - - -	124698	124698	• Body, bleeder valve	1
5	- - - - -	124697	124697	• Poppet, screw adjustment	1
6	1084970	1084970	1084970	• Body, check valve	1
7A	973591	973591	- - - - -	• Plug, O-ring, 1 1/16-12, (only for large frame; not included with small frame)	1
7B	- - - - -	- - - - -	973477	• Plug, O-ring, 1 1/4-12, (only for small frame; not included with large frame)	1
8	900006	900006	900006	• Ball, 440, 1.5, 1	1
9	1041272	1041272	1041272	• O-ring, -131, Viton, 1.674 I.D., 0.103 w	1
10	1039067	1039067	1039067	• Seat, ball	1
11	303706	303706	303706	• O-ring, -920, Viton, 1.475 I.D., 0.118 w	1

Stainless Steel Ball Check Valves



SPECIFICATIONS

Maximum Material Pressure: 6000 psi (413 bar)

Opening Pressure: 20 psi (1.4 bar)

Large Frame Outlet Port Size:
1 1/4-in. SAE, size 20 O-ring boss, 1 5/8-12 UNF-2B thread

Small Frame Outlet Port Size:
3/4-in. SAE, size 12 O-ring boss, 1 1/16-12 UNF-2B thread

LUBRICATION POINTS

Item A: Apply NEVER SEEZ (part 900334) before installing.

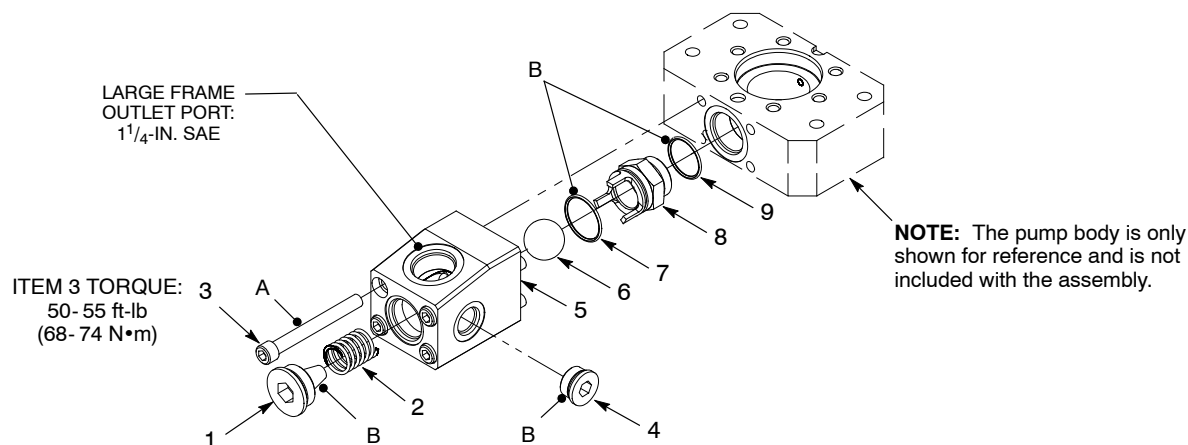
Item B: Apply pipe adhesive (part 900481) before installing.

Item C: Apply Mobil SHC 634 lubricant (part 156289) to O-rings before installing.

NOTE: The small frame check valve can be rotated 180° to change the position of the outlet port.

Item	Part	Part	Description	Qty
—	1085065		Check valve, bleeder, large frame, stainless steel	1
—		1085066	Check valve, bleeder, small frame, stainless steel	1
1	- - - - -	- - - - -	• Plug, SAE, 1 5/8-12, stainless steel	1
2	987066	987066	• Spring, 2 x 1.225 x 0.125	1
3	1039707	1039707	• Screw, 1/2-13 x 4.5	4
4	160559	160559	• Body, bleeder valve, stainless steel	1
5	160560	160560	• Poppet, screw adjustment, stainless steel	1
6	1085061	1085061	• Body, check valve, stainless steel	1
7A	1057806	- - - - -	• Plug, O-ring, 1 1/16-12, (only for large frame; not included with small frame)	1
7B	- - - - -	1057808	• Plug, O-ring, 1 1/4-12, (only for small frame; not included with large frame)	1
8	900006	900006	• Ball, 440, 1.5, 1	1
9	1041272	1041272	• O-ring, -131, Viton, 1.674 I.D., 0.103 w	1
10	1057807	1057807	• Seat, ball, stainless steel	1
11	303706	303706	• O-ring, -920, Viton, 1.475 I.D., 0.118 w	1

Large Frame Heated SD2 Depressurization Check Valve



LUBRICATION POINTS

Item A: Apply NEVER SEEZ (part 900334) before installing.

Item B: Apply Mobil SHC 634 lubricant (part 156289) to O-rings before installing.

SPECIFICATIONS

Maximum Material Pressure: 6000 psi (413 bar)

Opening Pressure: 20 psi (1.4 bar)

Large Frame Outlet Port Size:

1 1/4-in. SAE, size 20 O-ring boss, 1 5/8-12 UNF-2B thread

Item	Part	Description	Qty
—	1614609	Check valve, depressurization, large frame, 1.375-in. diameter, SD2, heated	1
1	- - - - -	• Plug, SAE, 1 5/8-12, straight thread, check valve	1
2	987066	• Spring, 2 x 1.225 O.D. x 0.125	1
3	- - - - -	• Screw, socket 1/2-13 x 5, Grade 8, per ISO 4762	4
4	973591	• Plug, O-ring, straight thread, 1 1/6-12	1
5	- - - - -	• Body, check valve, 10-degree offset, SD2	1
6	900006	• Ball, 440, 1.5, 100	1
7	1041272	• O-ring, -131, Viton, 1.674 I.D., 0.103 w	1
8	1039067	• Seat, ball, check valve, Rhino SD	1
9	303706	• O-ring, -920, Viton, 1.475 I.D., 0.118 w	1

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