

Changes made since January 2007

9 July 2007	4605-4-RK 4605-6-RK 4605-8-RK	1102-0006 changed to 1102-2006-H and quantity changed from 1 to 2.
9 July 2007	4605-8SA-RK	new
23 October, 2007	2837-RK	2805-0003 deleted
	2856-RK	2805-0003 added
6 February, 2008	7050-UX-RK 7050-BX-RK	content modified
14 April, 2008	7094DL-RK	new
9 May, 2008	7085-SU-RK 7085-SB-RK 7085-SA-RK	quantity of 1024-0810 changed from 2 to 1
25 August 2008	7147-RK	1024-0510 spring pin quantity changed from 2 to 1
7 October 2008	2870-1111-RK	quantity of 2805-0003 and 4806-RK changed from 1 to 4
	2870-1110-RK	new
13 January 2009	7087-U-RK 7087-B-RK	new
19 February 2009	7090-U-RK	new
5 March 2009	7067-U-RK 7087-U-BK	new 1101-0138 added
7 May, 2009	7050-B-ULT-RK 7050-U-ULT-RK	new
25 June 2009	7095D-RK 7094-RK	new removed from list as 7094 becomes obsolete
1 Sept 2009	7050-B-RK 7050-U-RK 7147-RK 7085-SU-RK  7085-SB-RK	1102-3008 changed to 1102-2007 - same as above- 1102-0005 changed to 1102-8005 1102-0005 changed to 1102-8005 1102-7107 changed to 1102-8007 - same as 7085-SU-
3 Sept 2009	7085-S-RK 7085-SA-RK	remove 7085-0042 gasket Change spring pin quantity to 1; add 7085-0042 gasket; 1102-0005 changed to 1102-8005, 1102-7107 to 1102-8007
16 Sept 2009	7065-SB-RK	1102-2009-H removed

25 January 2010	7096D-RK 7120-RK 7158-RK	new new new
27 April 2010	7158-RK	add five more parts : 7148-0075 up to 7148-0079 1101-0010 quantity changed to 7
18 January 2011	1630-RK	New
28 February 2011	6236-RK	New
22 March 2012	7085-SU and -SB and -SA  7065-SB, 7147	1102-8005 changed to 1102-0005B; 1102-8007 changed to 1102-0007B  1102-0005 changed to 1102-0005B; 1102-0062 changed to 1102-0062B; 1102-3005 changed to 1102-3005B
09 May 2012	2588-RK	New
04 June 2012	7148-RK	Add items 7012-0031 and 7005-0031
29 June 2012	7147-RK- HELMSMAN	New
5 Sept 2012	7093-B-RK	New

# REPAIR KITS

**August 2012**

To order a repair kit, use the basic model number of the product followed by -RK. For example, a repair kit for a 3325-BDE is 3325-RK.

The Parts Discount applies to all repair kits.  
All repair kits are stock items

*THIS LIST SUPERCEDES ALL PREVIOUS ISSUES*

## **Repair Kits**

**Viton seals are recommended when the oil temperature is 150 degrees Fahrenheit or higher.**

Repair kits include part numbers such as 1101-0001 and 1102-0005. Descriptions for these items are at the end of this document.

Standard seals are used wherever possible. That makes it easier to find replacement parts locally.

Repair Kits**SAND CAST ITEMS**

<b><u>Model 85</u></b>	(4601)	
1 only	1102-0032	"U" Cup
2 only	1101-0228	"O" Ring
2 only	1102-1003	"U" Cup "VITON"
2 only	1102-1006	"U" Cup "VITON"
<b><u>Model 725</u></b>		
1 only	1596-RK	Repair Kit (Sand Cast)
1 only	3803-RK	Repair Kit
1 only	725-LG	Left Gasket
1 only	725-RG	Right Gasket
<b><u>Model 730</u></b>		
1 only	1101-0008	"O" Ring
7 only	1101-0010	"O" Ring
4 only	1101-0014	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1104-2001	Diaphragm
2 only	1201-0004	Spring
2 only	1201-0013	Spring
2 only	3803-0004	Poppet
<b><u>Model 735</u></b>		
1 only	735-L	Gasket LH
1 only	735-R	Gasket RH
10 only	1101-0012	"O" Ring
2 only	1596-RK	Repair Kit
2 only	1512-RK	Repair Kit
<b><u>Model 765</u></b>		
2 only	1101-0010	"O" Ring
10 only	1101-0012	"O" Ring
2 only	1599-RK	Repair Kit
<b><u>Model 778</u></b>	(2 x 1596)	
2 only	1596-RK	Repair Kit (Sand Cast)

**Repair Kits****Model 799**

2 only	1101-0228	"O" Ring
1 only	1102-0032	"U" Cup
2 only	1102-1005	"U" Cup "VITON"
3 only	1102-1006	"U" Cup "VITON"
1 only	1595-RK	Repair Kit

**Model 900**

4 only	1101-0012	"O" Ring
4 only	1101-0016	"O" Ring
2 only	1101-0236	"O" Ring
2 only	1102-0018	"U" Cup
2 only	1102-0040	"U" Cup
2 only	1201-0009	Spring
2 only	3804-0004	Poppet

**Model 920**

12 only	1101-0014	"O" Ring
18 only	1101-0010	"O" Ring
1 only	1201-0063	Detent Spring
6 only	3803-0004	Poppet

**Model 921**

2 only	1101-0023	"O" Ring
6 only	1101-0133	"O" Ring
2 only	1102-0025	"U" Cup
6 only	1102-0029	"U" Cup

**Model 1285**

2 only	1101-0228	"O" Ring
2 only	1102-0006	"U" Cup
2 only	1102-0032	"U" Cup

**Model 1290**Same as Model **1285****Model 1292**

	(2 x 1285)	
4 only	1101-0228	"O" Ring
4 only	1102-0006	"U" Cup
4 only	1102-0032	"U" Cup

**Model 1354**

4 only	1101-0133	"O" Ring
1 only	1102-0005	"U" Cup
2 only	1102-0021	"U" Cup

**Repair Kits****Model 1355**

4 only	1101-0228	"O" Ring
2 only	1102-0006	"U" Cup
2 only	1102-0032	"U" Cup

**Model 1370**

2 only	1101-0012	"O" Ring
4 only	1101-0016	"O" Ring
2 only	1101-0133	"O" Ring
1 only	1102-0007	"U" Cup
2 only	1102-0029	"U" Cup
2 only	3804-0004	Poppet

**Model 1373**

3 only	1101-0012	"O" Ring
6 only	1101-0016	"O" Ring
3 only	1101-0133	"O" Ring
3 only	1102-0029	"U" Cup
3 only	3804-0004	Poppet

**Model 1383**

1 only	1101-0111	"O" Ring
2 only	1101-0123	"O" Ring
1 only	500PO	Poppet

**Model 1410**

2 only	1101-0111	"O" Ring
4 only	1101-0123	"O" Ring
2 only	1101-0228	"O" Ring
1 only	1102-0007	"U" Cup
2 only	1102-0032	"U" Cup
2 only	500-PR	Poppet

**Model 1415**

2 only	1101-0011	"O" Ring
4 only	1101-0123	"O" Ring
2 only	500PO	Poppet

**Model 1419** (3517 is the new part number)

1 only	1101-0010	"O" Ring
2 only	1101-0014	"O" Ring
1 only	3803-0004	Poppet

**Repair Kits****Model 1420**

1 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	3804-0004	Poppet

**Model 1423**Same as Model **1420****Model 1435**

1 only	1101-0133	"O" Ring
1 only	1102-0004	"U" Cup
1 only	1102-0029	"U" Cup
1 only	250-PR	Poppet

**Model 1445**Same as Model **1420****Model 1450**

	(2 x 1420)	
2 only	1101-0012	"O" Ring
4 only	1101-0016	"O" Ring
2 only	3804-0004	Poppet

**Model 1460**Same as Model **1420****Model 1473**

2 only

New part number  
Seat**Model 1505**Same as Model **1420****Model 1507**

1 only	1101-0010	"O" Ring
2 only	1101-0014	"O" Ring
1 only	3803-0004	Poppet

**Model 1508**Same as Model **1420****Model 1510**

3 only	1101-0010	"O" Ring
2 only	1101-0014	"O" Ring
1 only	3803-0004	Poppet



**Repair Kits**

<b><u>Model 1512</u></b>	(New part number is 3803)	
1 only	1101-0008	"O" Ring
5 only	1101-0010	"O" Ring
4 only	1101-0014	"O" Ring
2 only	3803-0004	Poppet

**Model 1515**  
Same as Model **1450**

<b><u>Model 1520</u></b>		
1 only	1101-0016	"O" Ring
1 only	1101-0018	"O" Ring
1 only	1101-0133	"O" Ring
2 only	1102-0003	"U" Cup
3 only	1102-0018	"U" Cup

<b><u>Model 1526</u></b>		
1 only	1101-0006	"O" Ring

<b><u>Model 1530</u></b>		
2 only	1101-0133	"O" Ring
2 only	1102-0029	"U" Cup

<b><u>Model 1538</u></b>		
1 only	1101-0026	"O" Ring
1 only	1538-0003	Diaphragm

<b><u>Model 1540</u></b>	(3903)	New part number
1 only	1101-0133	"O" Ring
1 only	1105-0001	Diaphragm

<b><u>Model 1543</u></b>	(DIE-CAST ONLY: Use 1596 for Sand Cast)	
2 only	1101-0010	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1104-2001	Diaphragm

<b><u>Model 1545</u></b>	(Using model 1598 valve)	
1 only	1101-0020	"O" Ring
1 only	1101-0133	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1102-0003	"U" Cup
2 only	1102-0016	"U" Cup
1 only	1598-0015	Diaphragm
1 only	250-BPOS	Poppet

**Repair Kits****Model 1553**

Same as Model 1450

**Model 1560**

1 only	1101-0228	"O" Ring
1 only	1102-0032	"U" Cup

**Model 1562**

(New part number is 4106)

1 only	1104-2002	Diaphragm
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**Model 1563**

1 only	1104-2008	Diaphragm
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**Model 1566**

1 only	1566-0011	Diaphragm
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**Model 1570**

2 only	1101-0228	"O" Ring
2 only	1102-0032	"U" Cup

**Model 1585**

1 only	1101-0014	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1101-0017	"O" Ring
1 only	1101-0133	"O" Ring
1 only	1102-0005	"U" Cup
1 only	1102-0029	"U" Cup
1 only	3804-0004	Poppet

**Model 1587**

1 only	1101-0016	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1102-0005	"U" Cup
1 only	1105-2001	Diaphragm
1 only	250-BPOS	Poppet

**Model 1594**

2 only	1101-0015	"O" Ring
2 only	1101-0016	"O" Ring
2 only	1101-0029	"O" Ring
2 only	1102-0003	"U" Cup
4 only	1102-0005	"U" Cup
2 only	1102-0018	"U" Cup
2 only	125-PO	Poppet
1 only	1598-0015	Diaphragm

**Repair Kits****Model 1595**

1 only	1101-0016	"O" Ring
1 only	1101-0018	"O" Ring
1 only	1101-0133	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1102-0003	"U" Cup
2 only	1102-0018	"U" Cup
1 only	1102-0029	"U" Cup
1 only	250-BPOS	Poppet

**Model 1596**

2 only	1101-0010	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1101-0029	"O" Ring
1 only	1102-0003	"U" Cup
2 only	1102-0005	"U" Cup
1 only	1102-0018	"U" Cup
1 only	3803-0004	Poppet

**Model 1598**

1 only	1101-0020	"O" Ring
1 only	1101-0133	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1102-0003	"U" Cup
2 only	1102-0016	"U" Cup
1 only	1598-0015	Diaphragm
1 only	250-BPOS	Poppet

**Model 1599**

2 only	1101-0012	"O" Ring
1 only	1101-0020	"O" Ring
1 only	1101-0133	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1102-0003	"U" Cup
2 only	1102-0016	"U" Cup
1 only	1598-0015	Diaphragm
1 only	250-BPOS	Poppet

**Model 1609**

2 only	1101-0240	"O" Ring
2 only	1102-0009	"U" Cup
2 only	1102-0043	"U" Cup

**Model 1630**

2 only	1101-0256	"O" Ring
2 only	1102-0033	"U" Cup
2 only	1102-0047	"U" Cup

**Repair Kits****Model 1640**

2 only	1101-0273	"O" Ring
2 only	1102-0036	"U" Cup
2 only	1102-0049	"U" Cup

**Model 1651**

2 only	1101-0018	"O" Ring
1 only	1102-0003	"U" Cup
2 only	1102-0006	"U" Cup

**Model 1654**

4 only	1101-0236	"O" Ring
2 only	1102-0008	"U" Cup
2 only	1102-0040	"U" Cup

**Model 1658**

2 only	1101-0116	"O" Ring
4 only	1102-0009	"U" Cup
2 only	1104-2005	Diaphragm

**Model 1680**See Model **5002****Model 1685**See Model **5004****Model 1690**

	(1 x 4312 Pot)	
2 only	1105-0012	Diaphragm

**Model 1695-A**

	(1 x 4312 Pot)	
2 only	1105-0012	Diaphragm

**Model 1695-B**

	Manual Adjust (1 x 4412-B Pot, "1725")	
1 only	1101-0222	Shaft "O" Ring
1 only	1101-0250	Piston "O" Ring

**Model 1698-A**

	(1 x 4324 Pot)	
2 only	1105-0024	Diaphragm

**Model 1698-B**

	Manual Adjust (1 x 4424-B Pot, "1727")	
1 only	1101-0224	"O" Ring
1 only	1101-0439	"O" Ring

**Repair Kits**

<b><u>Model 1698-G</u></b>	Self Adjust (1 x 4424-G Pot, "1727")	
1 only	1101-0006	"O" Ring
1 only	1101-0224	"O" Ring
1 only	1101-0439	"O" Ring
1 only	1102-0011	"U" Cup

<b><u>Model 1700</u></b>		
2 only	1105-0024	Diaphragm

<b><u>Model 1702-A</u></b>	(1 x 4324 Pot)	
2 only	1105-0024	Diaphragm

<b><u>Model 1702-B</u></b>	Manual Adjust (1 x 4424-B Pot)	
1 only	1101-0224	"O" Ring
1 only	1101-0439	"O" Ring

<b><u>Model 1702-G</u></b>	Self Adjust (1 x 4424-G pot)	
1 only	1101-0006	"O" Ring
1 only	1101-0224	"O" Ring
1 only	1101-0439	"O" Ring
1 only	1102-0011	"U" Cup

<b><u>Model 1703-A</u></b>	(2 x 4324 Pot)	
4 only	1105-0024	Diaphragm

<b><u>Model 1703-B</u></b>	Manual Adjust (2 x 4424-B Pot)	
2 only	1101-0224	"O" Ring
2 only	1101-0439	"O" Ring

<b><u>Model 1703-G</u></b>	Self Adjust (2 x 4424-G Pot)	
2 only	1101-0006	"O" Ring
2 only	1101-0224	"O" Ring
2 only	1101-0439	"O" Ring
2 only	1102-0011	"U" Cup

<b><u>Model 1704-A</u></b>	(1 x 4336 Pot)	
2 only	1105-0036	Diaphragm

<b><u>Model 1704-B</u></b>	Manual Adjust (1 x 4436-B Pot "1729")	
1 only	1101-0445	"O" Ring
1 only	1101-0227	"O" Ring

**Repair Kits**

<b><u>Model 1704-G</u></b>	Self Adjust (1 x 4436-G pot)	
1 only	1101-0006	"O" Ring
1 only	1101-0227	"O" Ring
1 only	1101-0445	"O" Ring
1 only	1102-0013	"U" Cup
<b><u>Model 1705-A</u></b>	(1 x 4336 Pot)	
2 only	1105-0036	Diaphragm
<b><u>Model 1705-B</u></b>	Manual Adjust (1 x 4436-B Pot)	
1 only	1101-0227	"O" Ring
1 only	1101-0445	"O" Ring
<b><u>Model 1705-G</u></b>	Self Adjust (1 x 4436-G pot)	
1 only	1101-0006	"O" Ring
1 only	1101-0227	"O" Ring
1 only	1101-0445	"O" Ring
1 only	1102-0013	"U" Cup
<b><u>Model 1708-A</u></b>	(2 x 4336 Pot)	
4 only	1105-0036	Diaphragm
<b><u>Model 1708-B</u></b>	Manual Adjust (2 x 4436-B Pot)	
2 only	1101-0227	"O" Ring
2 only	1101-0445	"O" Ring
<b><u>Model 1708-G</u></b>	Self Adjust (2 x 4436-G Pot)	
2 only	1101-0006	"O" Ring
2 only	1101-0227	"O" Ring
2 only	1101-0445	"O" Ring
2 only	1102-0013	"U" Cup
<b><u>Model 1710-A</u></b>	(2 x 4336 Pot)	
4 only	1105-0036	Diaphragm
<b><u>Model 1710-B</u></b>	Manual Adjust (2 x 4436-B Pot)	
2 only	1101-0445	"O" Ring
2 only	1101-0227	"O" Ring
<b><u>Model 1710-G</u></b>	Self Adjust (2 x 4436-G Pot)	
2 only	1101-0445	"O" Ring
2 only	1101-0227	"O" Ring
2 only	1102-0013	"U" Cup
2 only	1101-0006	"O" Ring

**Repair Kits****Model 1714**See Model **5054-A** or **5054-S****Model 1720-A** (4 x 1720-A Pot)

4 only	1101-0452	"O" Ring
4 only	1102-0020	"U" Cup

**Model 1720-B** (4 x 4498 Pot)

4 only	1101-0456	"O" Ring
4 only	1102-0055	"U" Cup

**Model 1725**Same as Model **1695-B****Model 1727**Same as Model **1698-B** or **1698-G****Model 1729**Same as Model **1704-B** or **1704-G****Model 1732**See Model **5038-A** or **5038-S****Model 1736**See Model **5030-A****Model 1737**See Model **5026-A****Model 1754**

1 only	1101-0006	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1102-0002	"U" Cup
2 only	1102-0005	"U" Cup
1 only	1105-2001	Diaphragm
1 only	250-BPOS	Poppet

**Model 1760**

1 only	1101-0008	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1102-0002	"U" Cup
2 only	1102-0005	"U" Cup
1 only	1800-D	Diaphragm
1 only	250-BPOS	Poppet

**Repair Kits****Model 1774**

1 only	1101-0014	"O" Ring
1 only	1101-0123	"O" Ring
1 only	1102-0005	"U" Cup
2 only	1102-0006	"U" Cup
1 only	1774-0011	Diaphragm

**Model 1776**Same as Model **1774****Model 1804**

1 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1804-0015	Diaphragm
1 only	250-BPOL	Poppet

**Model 1806**

2 only	1101-0016	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1804-0015	Diaphragm
1 only	250-BPOL	Poppet

**Model 1808**

1 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	1102-0002	"U" Cup
1 only	1804-0015	Diaphragm
1 only	250-BPOL	Poppet

**Model 1814**

1 only	1101-0111	"O" Ring
2 only	1101-0123	"O" Ring
1 only	1102-0005	"U" Cup
1 only	1800-D	Diaphragm
1 only	500-BPOS	Poppet

**Model 1816**Same as Model **1814****Model 1818**Same as Model **1814**



Repair Kits**PNEUMATICS**Model 2512

2 only	1101-0014	"O" Ring
1 only	1102-0009	"U" Cup
1 only	3803-0004	Poppet

Model 2513

	(2 x 2512)	
4 only	1101-0014	"O" Ring
2 only	1102-0009	"U" Cup
2 only	3803-0004	Poppet

Model 2516

1 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	3804-0004	Poppet

Model 2517

	(2 x 2516)	
2 only	1101-0012	"O" Ring
4 only	1101-0016	"O" Ring
2 only	3804-0004	Poppet

Model 2521

	(1 x 3230)	
2 only	1101-0012	"O" Ring
1 only	1101-0013	"O" Ring
1 only	1101-0018	"O" Ring
2 only	1102-0006	"U" Cup
1 only	1104-2002	Diaphragm

Model 2522Same as Model **2521**Model 2533Same as Model **2543**Model 2534Same as Model **2544**Model 2535Same as Model **2544**

**Repair Kits**

<b><u>Model 2542</u></b>	(1 x 3217 & Gasket)	
2 only	1101-0010	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1104-2001	Diaphragm
1 only	2542-0014	Gasket
<b><u>Model 2543</u></b>	(2 x 3217 & Gasket)	
4 only	1101-0010	"O" Ring
2 only	1101-0016	"O" Ring
4 only	1102-0005	"U" Cup
2 only	1104-2001	Diaphragm
1 only	2543-0010	Gasket
<b><u>Model 2544</u></b>	(1 x 3217, 1 x 3803 & Gasket)	
1 only	1101-0008	"O" Ring
7 only	1101-0010	"O" Ring
4 only	1101-0014	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1104-2001	Diaphragm
1 only	2544-0008	Gasket
2 only	3803-0004	Poppet
<b><u>Model 2545</u></b>	(2 x 3217, 2 x 3803 & Gaskets)	
2 only	1101-0008	"O" Ring
14 only	1101-0010	"O" Ring
8 only	1101-0014	"O" Ring
2 only	1101-0016	"O" Ring
4 only	1102-0005	"U" Cup
2 only	1104-2001	Diaphragm
1 only	2545-0017	L.H. Gasket
1 only	2545-0018	R.H. Gasket
4 only	3803-0004	Poppet
<b><u>Model 2546</u></b>	(3 x 3217, 2 x 1101-0010 & Gaskets)	
8 only	1101-0010	"O" Ring
3 only	1101-0016	"O" Ring
6 only	1102-0005	"U" Cup
3 only	1104-2001	Diaphragm
1 only	2546-0010	L.H. Gasket
1 only	2546-0011	R.H. Gasket

**Repair Kits**

<b><u>Model 2547</u></b>	(4 x 3217 & Gaskets)	
8 only	1101-0010	"O" Ring
4 only	1101-0016	"O" Ring
8 only	1102-0005	"U" Cup
4 only	1104-2001	Diaphragm
1 only	2546-0010	L.H. Gasket
1 only	2546-0011	R.H. Gasket

**Model 2553**  
Same as Model **2543**

**Model 2554**  
Same as Model **2544**

**Model 2555**  
Same as Model **2545**

**Model 2556**  
Same as Model **2546**

**Model 2557**  
Same as Model **2547**

<b><u>Model 2571</u></b>	(1 x 3230, 1 x 3804 & Gaskets)	
7 only	1101-0012	"O" Ring
1 only	1101-0013	"O" Ring
4 only	1101-0016	"O" Ring
1 only	1101-0018	"O" Ring
2 only	1102-0006	"U" Cup
1 only	1104-2002	Diaphragm
2 only	2570-0049	Gasket
2 only	3804-0004	Poppet

<b><u>Model 2572</u></b>	(2 x 3230, 2 x 3804 & Gaskets)	
14 only	1101-0012	"O" Ring
2 only	1101-0013	"O" Ring
8 only	1101-0016	"O" Ring
2 only	1101-0018	"O" Ring
4 only	1102-0006	"U" Cup
2 only	1104-2000	Diaphragm
2 only	2570-0049	Gasket
4 only	3804-0004	Poppet

**Repair Kits**

<b><u>Model 2573</u></b>	(2 x 3230 & Gaskets)	
4 only	1101-0012	"O" Ring
2 only	1101-0013	"O" Ring
2 only	1101-0018	"O" Ring
4 only	1102-0006	"U" Cup
2 only	1104-2002	Diaphragm
2 only	2570-0049	Gasket

**Model 2574**  
Same as Model **2571**

**Model 2575**  
Same as Model **2572**

**Model 2576**  
Same as Model **2573**

<b><u>Model 2577</u></b>	(2 x 3230, 1 x 3804 & Gaskets)	
9 only	1101-0012	"O" Ring
2 only	1101-0013	"O" Ring
4 only	1101-0016	"O" Ring
2 only	1101-0018	"O" Ring
4 only	1102-0006	"U" Cup
2 only	1104-2002	Diaphragm
2 only	2570-0049	Gasket
2 only	3804-0004	Poppet

**Model 2578**  
Same as Model **2577**

**Model 2579**  
Same as Model **2572**

**Model 2588**  
Same as Model **3230**

<b><u>Model 2591</u></b>		
1 only	1101-0220	"O" Ring
1 only	1102-0002	"U" Cup
2 only	1102-0051	"U" Cup
1 only	1104-2003	Diaphragm
1 only	3240-0006	Poppet

<b><u>Model 2603</u></b>		
2 only	1101-0006	"O" Ring
2 only	1101-0016	"O" Ring
2 only	1104-2001	Diaphragm

**Repair Kits****Model 2605**Same as Model **3217****Model 2608**Same as Model **2542****Model 2714**

2 only	1023-0511	Sealing Washer
2 only	1101-0010	"O" Ring
2 only	1101-0030	"O" Ring
2 only	1101-0036	"O" Ring
2 only	1101-0330	"O" Ring
4 only	1102-0007	"U" Cup
2 only	1102-0052	"U" Cup
2 only	1104-2003	Diaphragm

**Model 2824**

2 only	1101-0006	"O" Ring
3 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1101-0020	"O" Ring
1 only	1105-2003	Diaphragm
1 only	2801-0003	Single Manifold Gasket
1 only	3804-0004	Poppet

**Model 2825**

2 only	1101-0006	"O" Ring
3 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1101-0020	"O" Ring
1 only	1105-2003	Diaphragm
1 only	3804-0004	Poppet

**Model 2826**

3 only	1101-0006	"O" Ring
4 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1101-0020	"O" Ring
1 only	1105-2003	Diaphragm
1 only	3804-0004	Poppet

**Repair Kits****Model 2827**

7 only	1101-0006	"O" Ring
4 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1101-0020	"O" Ring
2 only	1105-2003	Diaphragm
1 only	3804-0004	Poppet

**Model 2828**

7 only	1101-0006	"O" Ring
3 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
1 only	1101-0020	"O" Ring
2 only	1105-2003	Diaphragm
1 only	3804-0004	Poppet

**Model 2830**Same as Model **2826****Model 2835**

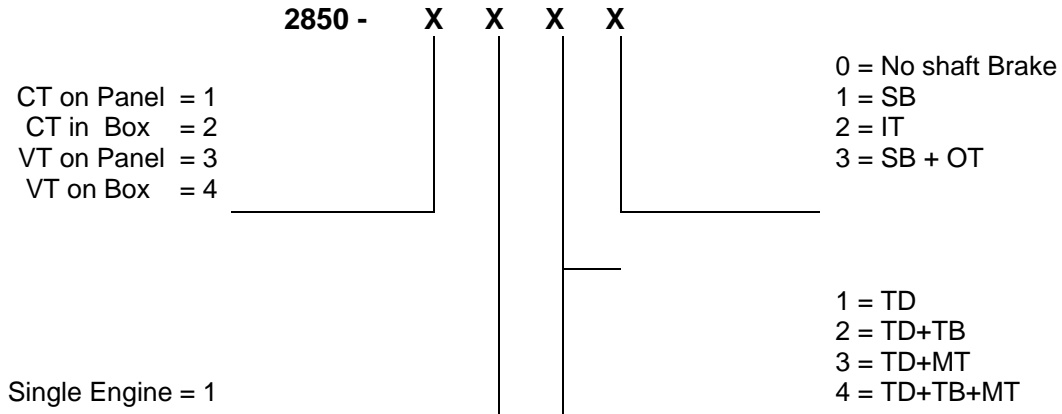
2 only	1101-0006	"O" Ring
2 only	1101-0016	"O" Ring
1 only	1101-0029	"O" Ring
1 only	1101-0030	"O" Ring
1 only	1101-0113	"O" Ring
1 only	1105-2003	Diaphragm
1 only	3808-0003	Poppet

**Model 2836**Same as Model **2837****Model 2837**

3 only	1101-0006	"O" Ring
1 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	1101-0029	"O" Ring
1 only	1101-0030	"O" Ring
1 only	1101-0113	"O" Ring
1 only	1105-2003	Diaphragm
1 only	3808-0003	Poppet

## Repair Kits

### The 2850 Series Repair Kit



<u>Letter codes:</u>	CT Constant Timing	VT Variable Timing
	SB Shaft Brake	IT Independent Throttle
	OT Overriding Throttle	TD Throttle Delay
	TB Throttle Boost	MT Minimum Timing

Example:

a 2850-1121-RK would consist of the following kits:

- 1 only CT-RK
- 1 only TD-RK + 1 only TB-RK
- 1 only SB-RK

Breakdown by Letter Code:

CT has:

2 only	2802-0003	Double Manifold Gasket
2 only	2827-RK	Repair Kit
2 only	4806-RK	Repair Kit

VT has:

2 only	2801-0003	Single Manifold Gasket
2 only	2802-0003	Double Manifold Gasket
2 only	2826-RK	Repair Kit
2 only	2828-RK	Repair Kit
1 only	4806-RK	Repair Kit
1 only	4806C-RK	Repair Kit

SB has:

1 only	2801-0003	Single Manifold Gasket
1 only	2802-0003	Double Manifold Gasket
2 only	2825-RK	Repair Kit
1 only	4806-RK	Repair Kit

**Repair Kits****OT has:**

2 only	2801-0003	Single Manifold Gasket
1 only	2825-RK	Repair Kit
1 only	2826-RK	Repair Kit
1 only	3009-RK	Repair Kit

**TD has:**

1 only	2803-0003	Triple Manifold Gasket
1 only	2826-RK	Repair Kit
1 only	3008-RK	Repair Kit
1 only	4806-RK	Repair Kit

**TB has:**

1 only	2801-0003	Single Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
1 only	2825-RK	Repair Kit
1 only	2827-RK	Repair Kit
1 only	3008-RK	Repair Kit
1 only	4806-RK	Repair Kit

**MT has:**

1 only	2801-0003	Single Manifold Gasket
1 only	2825-RK	Repair Kit
1 only	3009-RK	Repair Kit

**IT has:**

2 only	2802-0003	Double Manifold Gasket
1 only	2824-RK	Repair Kit
1 only	2826-RK	Repair Kit
1 only	3009-RK	Repair Kit

**Model 2850-1110**

2 only	2802-0003	Double Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
1 only	2826-RK	Repair Kit
2 only	2827-RK	Repair Kit
1 only	3008-RK	Repair Kit
3 only	4806-RK	Repair Kit

**Model 2850-1111**

1 only	2801-0003	Single Manifold Gasket
3 only	2802-0003	Double Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
2 only	2825-RK	Repair Kit
1 only	2826-RK	Repair Kit
2 only	2827-RK	Repair Kit
1 only	3008-RK	Repair Kit
4 only	4806-RK	Repair Kit



**Repair Kits****Model 2850-1120**

1 only	2801-0003	Single Manifold Gasket
2 only	2802-0003	Double Manifold Gasket
2 only	2803-0003	Triple Manifold Gasket
1 only	2825-RK	Repair Kit
1 only	2826-RK	Repair Kit
3 only	2827-RK	Repair Kit
2 only	3008-RK	Repair Kit
4 only	4806-RK	Repair Kit

**Model 2850-1121**

2 only	2801-0003	Single Manifold Gasket
3 only	2802-0003	Double Manifold Gasket
2 only	2803-0003	Triple Manifold Gasket
3 only	2825-RK	Repair Kit
1 only	2826-RK	Repair Kit
3 only	2827-RK	Repair Kit
2 only	3008-RK	Repair Kit
5 only	4806-RK	Repair Kit

**Model 2850-1122**

1 only	2801-0003	Single Manifold Gasket
4 only	2802-0003	Double Manifold Gasket
2 only	2803-0003	Triple Manifold Gasket
1 only	2824-RK	Repair Kit
1 only	2825-RK	Repair Kit
2 only	2826-RK	Repair Kit
3 only	2827-RK	Repair Kit
2 only	3008-RK	Repair Kit
1 only	3009-RK	Repair Kit
4 only	4806-RK	Repair Kit

**Model 2850-3120**

1 only	2851-1X0X-RK	Repair Kit With Gasket
1 only	2852-3X3X-RK	Repair Kit With Gasket
1 only	2853-2X2X-RK	Repair Kit With Gasket
1 only	2853-3X0X-RK	Repair Kit With Gasket
1 only	2854-1X10-RK	Repair Kit With Gasket
1 only	2854-2X10-RK	Repair Kit With Gasket

**Consisting of:**

3 only	2801-0003	Single Manifold Gasket
2 only	2802-0003	Double Manifold Gasket
2 only	2803-0003	Triple Manifold Gasket
1 only	2825-RK	Repair Kit
3 only	2826-RK	Repair Kit
1 only	2827-RK	Repair Kit
2 only	2828-RK	Repair Kit
2 only	3008-RK	Repair Kit
3 only	4806-RK	Repair Kit
1 only	4806C-RK	Repair Kit

**Repair Kits****Model 2850-5003**

2 only	2801-0003	Single Manifold Gasket
2 only	2802-0003	Double Manifold Gasket
1 only	2825-RK	Repair Kit
1 only	2826-RK	Repair Kit
2 only	2827-RK	Repair Kit
1 only	3009-RK	Repair Kit
1 only	3326-RK	Repair Kit
2 only	4806-RK	Repair Kit

**Model 2850-5004**

1 only	2801-0003	Single Manifold Gasket
2 only	2802-0003	Double Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
2 only	2826-RK	Repair Kit
2 only	2827-RK	Repair Kit
1 only	3008-RK	Repair Kit
3 only	4806-RK	Repair Kit

**Model 2851- 1X0X**

1 only	2801-0003	Single Manifold Gasket
1 only	2825-RK	Repair Kit

**Model 2852 - 5X5X**

2 only	2801-0003	Single Manifold Gasket
2 only	2827-RK	Repair Kit

**Model 2852 - 6X6X**

2 only	2801-0003	Single Manifold Gasket
2 only	2825-RK	Repair Kit

**Model 2852 - 7X7X**

2 only	2801-0003	Single Manifold Gasket
2 only	2826-RK	Repair Kit

**Model 2853 - 1X2X**

1 only	2802-0003	Double Manifold Gasket
1 only	2827-RK	Repair Kit
1 only	4806-RK	Repair Kit

**Model 2853 - 2X2X**

1 only	2802-0003	Double Manifold Gasket
1 only	2828-RK	Repair Kit
1 only	4806-RK	Repair Kit

**Repair Kits****Model 2853 - 3X0X**

1 only	2802-0003	Double Manifold Gasket
1 only	2828-RK	Repair Kit
1 only	4806C-RK	Repair Kit

**Model 2853 - 4X1X**

1 only	2801-0003	Single Manifold Gasket
1 only	2802-0003	Double Manifold Gasket
2 only	2825-RK	Repair Kit
1 only	4806-RK	Repair Kit

**Model 2854-1X10**

1 only	2803-0003	Triple Manifold Gasket
1 only	2826-RK	Repair Kit
1 only	3008-RK	Repair Kit
1 only	4806-RK	Repair Kit

**Model 2854-1X11**Same as Model **2854-1X10****Model 2854-1X12**Same as Model **2854-1X10****Model 2854-2X10**

1 only	2801-0003	Single Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
1 only	2825-RK	Repair Kit
1 only	2827-RK	Repair Kit
1 only	3008-RK	Repair Kit
1 only	4806-RK	Repair Kit

**Model 2854-2X11**Same as Model **2854-2X10****Model 2854-2X12**Same as Model **2854-2X10****Model 2854-2X13**Same as Model **2854-2X10**

**Repair Kits****Model 2854-3X20**

2 only	2801-0003	Single Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
3 only	2825-RK	Repair Kit
1 only	3008-RK	Repair Kit
1 only	4806-RK	Repair Kit

**Model 2856**

3 only	1101-0006	"O" Ring
1 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	1101-0029	"O" Ring
1 only	1101-0030	"O" Ring
1 only	1101-0113	"O" Ring
1 only	1105-2003	Diaphragm
1 only	2805-0003	Gasket
1 only	3808-0003	Poppet

**Model 2870-1110**

2 only	2802-0003	Double Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
2 only	2805-0003	Gasket
1 only	2826-RK	Repair Kit
2 only	2827-RK	Repair Kit
2 only	2836-RK	Repair Kit
1 only	3008-RK	Repair Kit
3 only	4806-RK	Repair Kit

**Model 2870-1111**

3 only	2802-0003	Double Manifold Gasket
1 only	2803-0003	Triple Manifold Gasket
4 only	2805-0003	Gasket
1 only	2825-RK	Repair Kit
1 only	2826-RK	Repair Kit
2 only	2827-RK	Repair Kit
1 only	2835-RK	Repair Kit
3 only	2836-RK	Repair Kit
1 only	3008-RK	Repair Kit
4 only	4806-RK	Repair Kit

**Model 3007**

1 only	1101-0016	"O" Ring
1 only	3804-0004	Poppet

**Model 3008**

3 only	1101-0011	"O" Ring
2 only	1106-3001	Seat

**Repair Kits****Model 3009**

2 only	1106-3001	Seat
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**Model 3010**

Same as Model **3009**

**Model 3217**

2 only	1101-0010	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1104-2001	Diaphragm

**Model 3230**

2 only	1101-0012	"O" Ring
1 only	1101-0013	"O" Ring
1 only	1101-0018	"O" Ring
2 only	1102-0006	"U" Cup
1 only	1104-2000	Diaphragm

**Model 3240**

Same as Model **2591**

**Model 3264**

1 only	1101-0224	"O" Ring
1 only	1101-0232	"O" Ring
1 only	1101-0227	"O" Ring
1 only	1101-0334	"O" Ring
1 only	1102-0007	"U" Cup
1 only	3264-0007	Poppet

**Model 3265**

1 only	1101-0136	"O" Ring
1 only	1101-0151	"O" Ring
2 only	1101-0222	"O" Ring
1 only	1102-0007	"U" Cup
1 only	1102-0035	"U" Cup
1 only	3265-0007	Poppet

**Model 3323**

1 only	1101-0008	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1101-0139	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1102-0021	"U" Cup
1 only	3804-0004	Poppet

**Repair Kits****Model 3324** (for 3326-H style valves made after Dec/87)

1 only	1101-0008	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1101-0139	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1102-0021	"U" Cup
2 only	1102-1001	"U" Cup
1 only	3804-0004	Poppet

**Model 3325**

1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1105-2001	Diaphragm
1 only	3804-0004	Poppet

**Model 3325-1001** *Conversion Kit* (pre-assembled inhouse at Kobelt)

4 only	1001-1020	Bolt
1 only	1022-0261	Jam Nut NF
2 only	1101-0139	"O" Ring
1 only	1102-0021	"U" Cup
1 only	3326-0008	Piston
1 only	3326-0009	Spacer
1 only	3325-0015	Spool

**Model 3326**

1 only	1101-0008	"O" Ring
1 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1105-2002	Diaphragm
1 only	3804-0004	Poppet

**Model 3326-1001** *Conversion Kit* (pre-assembled inhouse at Kobelt)

4 only	1001-1020	Bolt
1 only	1022-0261	Jam Nut NF
2 only	1101-0139	"O" Ring
1 only	1102-0021	"U" Cup
2 only	1102-1001	"U" Cup "VITON"
1 only	3326-0008	Piston
1 only	3326-0009	Spacer
1 only	3326-0010	Spool

**Repair Kits****Model 3326H** (for Hydraulic Piloted 3326 relays)

1 only	1101-0008	"O" Ring
2 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1101-0139	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1102-0021	"U" Cup
1 only	3804-0004	Poppet

**Model 3327**

1 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1105-2001	Diaphragm
1 only	1105-2002	Diaphragm
1 only	3804-0004	Poppet

**Model 3328**

1 only	1101-0016	"O" Ring
2 only	1102-0005	"U" Cup
1 only	1105-2001	Diaphragm
1 only	1105-2002	Diaphragm
1 only	3804-0004	Poppet

**Model 3329**

1 only	1101-0008	"O" Ring
1 only	1101-0031	"O" Ring
1 only	1101-0208	"O" Ring
1 only	1101-2040	"O" Ring (metric)
1 only	1102-0005	"U" Cup
1 only	1102-0008	"U" Cup
1 only	1105-2004	Diaphragm
1 only	3329-0008	Poppet

**Model 3330**Same as Model **3326****Model 3403**

5 only	1101-0012	"O" Ring
4 only	1101-0016	"O" Ring
2 only	1101-0024	"O" Ring
2 only	1102-0007	"U" Cup
1 only	3609-0013	Gasket
2 only	3804-0004	Poppet

**Repair Kits****Model 3405**

2 only	1101-0014	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1101-0024	"O" Ring
2 only	1101-0029	"O" Ring
2 only	1101-0030	"O" Ring
2 only	1101-0113	"O" Ring
2 only	1102-0020	"U" Cup
2 only	3808-0003	Poppet

**Model 3514**

1 only	1101-0010	"O" Ring
2 only	1101-0014	"O" Ring
1 only	3803-0004	Poppet

**Model 3515**

	(1 x 3706)	
3 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	3515-0015	Gasket
1 only	3804-0004	Poppet

**Model 3516**Same as Model **3514****Model 3517**Same as Model **3514****Model 3604**

	(1 x 3803)	
1 only	1101-0008	"O" Ring
5 only	1101-0010	"O" Ring
4 only	1101-0014	"O" Ring
1 only	3604-0011	Gasket
2 only	3803-0004	Poppet

**Model 3609**

	(1 x 3804)	
5 only	1101-0012	"O" Ring
4 only	1101-0016	"O" Ring
1 only	3609-0013	Gasket
2 only	3804-0004	Poppet



**Repair Kits****Model 3706**

3 only	1101-0012	"O" Ring
2 only	1101-0016	"O" Ring
1 only	3804-0004	Poppet

**Model 3803**

1 only	1101-0008	"O" Ring
5 only	1101-0010	"O" Ring
4 only	1101-0014	"O" Ring
2 only	3803-0004	Poppet

**Model 3804**

5 only	1101-0012	"O" Ring
4 only	1101-0016	"O" Ring
2 only	3804-0004	Poppet

**Model 3808**

2 only	1101-0014	"O" Ring
1 only	1101-0016	"O" Ring
2 only	1101-0024	"O" Ring
2 only	1101-0029	"O" Ring
2 only	1101-0113	"O" Ring
2 only	3808-0003	Poppet

**Model 3903**

1 only	1101-0033	"O" Ring
1 only	1105-0001	Diaphragm

**Model 3905**

1 only	1101-0033	"O" Ring
1 only	1105-0002	Diaphragm

**Model 4004**

4 only	1101-0228	"O" Ring
4 only	1102-0006	"U" Cup
4 only	1102-0032	"U" Cup

**Model 4105**

1 only	1101-0149	"O" Ring
1 only	1102-0063	"U" Cup

**Repair Kits****Model 4106**

1 only	1104-2002	Diaphragm
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**Model 4107**

1 only	1101-0012	"O" Ring
2 only	1102-0006	"U" Cup
1 only	1104-2004	Diaphragm

**Model 4108**

1 only	1101-0012	"O" Ring
2 only	1102-0007	"U" Cup
1 only	1104-2003	Diaphragm

**Model 4165**

1 only	1101-0222	"O" Ring
1 only	1101-0228	"O" Ring
1 only	1102-0003	"U" Cup
2 only	1102-0011	"U" Cup
1 only	1102-0013	"U" Cup
1 only	1104-2004	Diaphragm

**Model 4204**

1 only	1101-0033	"O" Ring
1 only	1101-0222	"O" Ring
2 only	1102-0005	"U" Cup

**Model 4207**

1 only	1101-0040	"O" Ring
1 only	1101-0228	"O" Ring
2 only	1102-0006	"U" Cup

**Model 4208**

1 only	1101-0156	"O" Ring
1 only	1101-0342	"O" Ring
2 only	1102-0007	"U" Cup

**Model 4221**

2 only	1101-0012	"O" Ring
4 only	1102-0006	"U" Cup
2 only	1104-2004	Diaphragm

**Repair Kits****Model 4224**

2 only	1101-0012	"O" Ring
4 only	1102-0007	"U" Cup
2 only	1104-2003	Diaphragm

**Model 4312**Same as Model **1690****Model 4316**

2 only	1105-0016	Diaphragm
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**Model 4324**Same as Model **1698-A****Model 4325**

2 only	1105-0024	Diaphragm
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**Model 4336**Same as Model **1704-A****Model 4412**Same as Model **1695-B****Model 4424**Same as Model **1698-B** or **1698-G****Model 4425**

1 only	ACH-0439	"O" Ring
1 only	ACH-0254	"O" Ring
1 only	ACH-0014	"O" Ring
1 only	ACH-959-49	Wiper

**Model 4436**Same as Model **1704-B** or **1704-G**

**Repair Kits****Model 4600**

4 only	1101-0012	"O" Ring
1 only	1101-0232	"O" Ring
1 only	1101-0334	"O" Ring
2 only	1102-0006	"U" Cup

\*\* Old models having the gasket should replace the gasket with Loctite gasket eliminator (515 sealant) or equivalent.

**Model 4601** (Sand Cast# 85)

2 only	1101-0228	"O" Ring
1 only	1102-0032	"U" Cup
2 only	1102-1003	"U" Cup
2 only	1102-1006	"U" Cup

**Model 4602**

1 only	1101-0031	"O" Ring
1 only	1102-0052	"U" Cup
* 2 only	1102-1001	"U" Cup
* 2 only	1102-1005	"U" Cup

\* Doubled U-Cups in Dec/87 (to prevent leaks)

**Model 4603**

1 only	1101-0129	"O" Ring
1 only	1101-0326	"O" Ring
4 only	1102-0002	"U" Cup
2 only	1102-0006	"U" Cup

**Model 4604**

1 only	1101-0129	"O" Ring
1 only	1101-0324	"O" Ring
2 only	1102-1001	"U" Cup
2 only	1102-1006	"U" Cup

**Repair Kits****Model 4605-4RK**

3 only	1101-0012	"O" Ring
1 only	1101-0020	"O" Ring
2 only	1101-0129	"O" Ring
2 only	1102-0001	"U" Cup
2 only	1102-2006-H	"U" Cup
2 only	1102-0052	"U" Cup
2 only	4605-0014	Gasket
1 only	4605-0015	Gasket

**Model 4605-6RK**

5 only	1101-0012	"O" Ring
1 only	1101-0020	"O" Ring
2 only	1101-0129	"O" Ring
2 only	1102-0001	"U" Cup
2 only	1102-2006-H	"U" Cup
2 only	1102-0052	"U" Cup
2 only	4605-0014	Gasket
1 only	4605-0015	Gasket
1 only	4605-0016	Gasket

**Model 4605-8RK**

5 only	1101-0012	"O" Ring
1 only	1101-0020	"O" Ring
2 only	1101-0129	"O" Ring
2 only	1102-0001	"U" Cup
2 only	1102-2006-H	"U" Cup
2 only	1102-0052	"U" Cup
2 only	4605-0014	Gasket
1 only	4605-0015	Gasket
2 only	4605-0016	Gasket

**Model 4605-8SA-RK**

4 only	1101-0012	"O" Ring
2 only	1102-0001	"U" Cup
2 only	4605-0014	Gasket
1 only	4605-0015	Gasket
2 only	4605-0016	Gasket

**Model 4628**

3 only	1101-0023	"O" Ring
1 only	1101-0213	"O" Ring
2 only	1102-0003	"U" Cup
1 only	1102-0005	"U" Cup
2 only	1102-0025	"U" Cup

**Repair Kits****Model 4630**

1 only	1101-0214	"O" Ring
1 only	1102-0003	"U" Cup
1 only	1102-0007	"U" Cup
1 only	3217-RK	Repair Kit
1 only	4221-RK	Repair Kit
1 only	7510-RK	Repair Kit

**Model 4806** "Open"

2 only	1101-0010	"O" Ring
1 only	1101-0011	"O" Ring
2 only	1101-0012	"O" Ring
1 only	1101-0014	"O" Ring
1 only	3803-0004	Poppet
1 only	4806-0005	Tank Seal
1 only	4806-0010	Flow Control Seal

**Model 4806-C** "Closed"

1 only	4806-0005	Tank Seal
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Repair Kits**BRAKES**Model 5002

1 only	1101-0225	"O" Ring
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Model 5004

1 only	1101-0222	"O" Ring
1 only	1101-0250	"O" Ring

Model 5018

2 only	1101-0227	"O" Ring
2 only	1101-0445	"O" Ring

Model 5019-A

1 only	6107-RK	Repair Kit
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Model 5019-S

1 only	6207-RK	Repair Kit
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Model 5020-A

1 only	6112-RK	Repair Kit
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Model 5020-S

1 only	6212-RK	Repair Kit
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Model 5021-A

1 only	6112-RK	Repair Kit
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Model 5021-S

1 only	6212-RK	Repair Kit
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Model 5022-A

2 only	6112-RK	Repair Kit
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**Repair Kits**

<b><u>Model 5022-S</u></b>	2 only	6212-RK	Repair Kit
<b><u>Model 5023-A</u></b>	1 only	6120-RK	Repair Kit
<b><u>Model 5023-S</u></b>	1 only	6230-RK	Repair Kit
<b><u>Model 5024-A</u></b>	1 only	6130-RK	Repair Kit
<b><u>Model 5024-S</u></b>	1 only	6230-RK	Repair Kit
<b><u>Model 5025-A</u></b>	1 only	6120-RK	Repair Kit
<b><u>Model 5025-S</u></b>	1 only	6230-RK	Repair Kit
<b><u>Model 5026-A</u></b>	2 only	6120-RK	Repair Kit
<b><u>Model 5027-A</u></b>	2 only	6130-RK	Repair Kit
<b><u>Model 5027-S</u></b>	2 only	6230-RK	Repair Kit
<b><u>Model 5027-H</u></b>	2 only	6210-RK	Repair Kit
<b><u>Model 5030-A</u></b>	4 only	(1736) old part # (2 x 4316 Pot) 1105-0016	Diaphragm
<b><u>Model 5034-A</u></b>	4 only	(2 x 4324 Pot) 1105-0024	Diaphragm



**Repair Kits****Model 5034-S**

1 only	3636	Spring Pot
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**Model 5036-S**

1 only	3636	Spring Pot
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**Model 5038-A** (old part # is 1732)

4 only	1105-0024	Diaphragm
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**Model 5038-S** (old part is # 1732)

1 only	3636	Spring Pot
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**Model 5054-A** (old part # is 1714-A)

2 only	1101-0333	"O" Ring
2 only	1101-0450	"O" Ring

**Model 5054-S** (old part # is 1714-B)

4 only	1101-0273	"O" Ring
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**Model 6107**

1 only	1101-0232	"O" Ring
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**Model 6112**

1 only	1101-0161	"O" Ring
2 only	1105-0012	Diaphragm

**Model 6120**

1 only	1101-2166	"O" Ring
2 only	1105-0020	Diaphragm

**Model 6130**

1 only	1101-1265	"O" Ring
2 only	1105-0030	Diaphragm

**Model 6207**

1 only	1101-0212	"O" Ring
1 only	1101-0236	"O" Ring
1 only	1101-0024	"O" Ring

**Model 6210**

1 only	1102-0059	"U" Cup
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**Repair Kits****Model 6212**

1 only	1101-0214	"O" Ring
1 only	1101-0248	"O" Ring
1 only	1101-0026	"O" Ring

**Model 6230** (Built before 1995)

1 only	1101-0218	"O" Ring
1 only	1101-0259	"O" Ring

**Model 6230-RKU** (Built in 1995 with "U" Cups)

1 only	1102-0026	"U" Cup
1 only	1102-0060	"U" Cup

**Model 6230-RKW** (Built after 1995 with a Wiper)

1 only	1101-0030	"O" Ring
1 only	1101-1361	"O" Ring
1 only	1102-3026	"U" Cup
1 only	6230-94013	Wiper

**Model 6236**

1 only	1101-0270	"O" Ring
2 only	1105-0036	Diaphragm

Repair Kits**STEERING**Model 7003

2 only	1101-0008	"O" Ring
2 only	1101-0010	"O" Ring
1 only	1101-0012	"O" Ring
3 only	1101-0015	"O" Ring
7 only	1101-0018	"O" Ring
1 only	1101-0026	"O" Ring
1 only	1101-0030	"O" Ring
1 only	1101-0156	"O" Ring
1 only	7003-7831	Front Seal

Model 7003 Front Seal Assembly

1 only	7003-0003	Front Seal Retainer
1 only	7003-7831	Front Seal
1 only	1101-0030	"O" Ring

Model 7004

2 only	1101-0010	"O" Ring
2 only	1101-0011	"O" Ring
7 only	1101-0014	"O" Ring
1 only	1101-0015	"O" Ring
2 only	1101-0017	"O" Ring
1 only	1101-0029	"O" Ring
1 only	1101-0030	"O" Ring
1 only	1101-0046	"O" Ring
1 only	1102-4021	"U" Cup

Model 7004 Front Seal Assembly

1 only	7004-1005	Seal Retainer
1 only	1101-0030	"O" Ring
1 only	1102-4021	"U" Cup

Model 7005

2 only	1101-0010	"O" Ring
2 only	1101-0011	"O" Ring
1 only	1101-0012	"O" Ring
3 only	1101-0017	"O" Ring
7 only	1101-0022	"O" Ring
1 only	1101-0029	"O" Ring
1 only	1101-0032	"O" Ring
1 only	1101-0158	"O" Ring
1 only	7005-11130	Front Seal

Model 7005 Front Seal Assembly

1 only	7005-0003	Front Seal Retainer
1 only	7005-11130	Front Seal
1 only	1101-0032	"O" Ring

**Model 7012**

2 only	1101-0010	"O" Ring
1 only	1101-0012	"O" Ring
2 only	1101-0014	"O" Ring
1 only	1101-0017	"O" Ring
2 only	1101-0021	"O" Ring
7 only	1101-0026	"O" Ring
1 only	1101-0031	"O" Ring
1 only	1101-0032	"O" Ring
1 only	1101-0163	"O" Ring
1 only	7005-11130	Front Seal

**Model 7012 Front Seal Assembly**

1 only	7012-0003	Front Seal Retainer
1 only	7005-11130	Front Seal
1 only	1101-0032	"O" Ring

**Model 7020**

1 only	1101-0011	"O" Ring
2 only	1101-0012	"O" Ring
2 only	1101-0015	"O" Ring
1 only	7020-0008	Seal
1 only	7020-0009	Seal

**Model 7030**

1 only	1101-0016	"O" Ring
2 only	1101-0024	"O" Ring
2 only	1102-0018	"U" Cup
2 only	1102-2006-H	"U" Cup

**Model 7031**

2 only	1101-0008	"O" Ring
2 only	1101-0010	"O" Ring
3 only	1101-0015	"O" Ring
1 only	1101-0026	"O" Ring
1 only	1101-0046	"O" Ring
1 only	1102-2020	"U" Cup
5 only	1101-0014	"O" Ring

**Model 7032**

1 only	1101-0016	"O" Ring
2 only	1101-0024	"O" Ring
2 only	1102-0018	"U" Cup
2 only	1102-2006-H	"U" Cup

**Model 7033**

2 only	1101-0125	"O" Ring
1 only	1101-0018	"O" Ring
2 only	1102-0026	"U" Cup
2 only	1102-3008	"U" Cup

**Model 7040-B or 7040-BX**

1 only	1101-0016	"O" Ring
2 only	1101-0125	"O" Ring
2 only	1102-0026	"U" Cup
2 only	1102-2006-H	"U" Cup
1 only	7040-0013	Wear Ring

**Model 7040-ULT (bal)**

1 only	1101-0029	"O" Ring
1 only	1102-6010	Wiper
1 only	7040-B-RK	7040-B Repair Kit

**Model 7040-T**

1 only	1101-0016	"O" Ring
2 only	1101-0125	"O" Ring
1 only	1101-0224	"O" Ring
2 only	1102-2006-H	"U" Cup
2 only	1102-0026	"U" Cup
1 only	1102-6010	Wiper
1 only	7040-0013	Wear Ring

**Model 7040-U or 7040-UX**

1 only	1101-0014	"O" Ring
2 only	1101-0125	"O" Ring
2 only	1102-0026	"U" Cup
1 only	1102-2006-H	"U" Cup
1 only	7040-0013	Wear Ring

**Model 7040-ULT (unbal)**

1 only	1101-0029	"O" Ring
1 only	1102-6010	Wiper
1 only	7040-U-RK	7040-U Repair Kit

**Model 7050-B and 7050-BX**

1 only	1101-0018	"O" Ring
2 only	1101-0133	"O" Ring
2 only	1102-0029	"U" Cup
2 only	1102-2007	"U" Cup
1 only	7050-0013	Wear Ring

**Model 7050-B-ULT**

2 only	1101-0033	"O" Ring
1 only	1102-6012	"Wiper
1 only	7050-B-RK	7050-B Repair Kit

**Model 7050-U and 7050-UX**

1 only	1101-0016	"O" Ring
2 only	1101-0133	"O" Ring
2 only	1102-0029	"U" Cup
1 only	1102-2007	"U" Cup
1 only	7050-0013	Wear Ring

**Model 7050-U-ULT**

2 only	1101-0033	"O" Ring
1 only	1102-6012	"Wiper
1 only	7050-U-RK	7050-U Repair Kit

**Model 7065-B**

1 only	1101-0120	"O" Ring
2 only	1101-0141	"O" Ring
2 only	1102-0032	"U" Cup
2 only	1102-2009-H	"U" Cup
1 only	7065-0013	Wear Ring

**Model 7065-U**

1 only	1101-0118	"O" Ring
2 only	1101-0141	"O" Ring
2 only	1102-0032	"U" Cup
1 only	1102-2009-H	"U" Cup
1 only	7065-0013	Wear Ring

**Model 7065-SB**

2 only	1101-0010	"O" Ring
1 only	1101-0014	"O" Ring
2 only	1101-0020	"O" Ring
4 only	1102-0005-B	"U" Cup
2 only	1102-0062-B	"U" Cup
2 only	1102-2007	"U" Cup
2 only	1102-3005B	"U" Cup
1 only	1024-0510	Spring Pin
1 only	7147-0060	Gasket
1 only	7065-B-RK	7065-B Repair Kit

**Model 7067-U**

1 only	1101-0031	"O" Ring
1 only	1101-0118	"O" Ring
2 only	1101-0141	"O" Ring
1 only	1102-2021	"U" Cup
2 only	1102-2032	"U" Cup
1 only	1102-6020	Rod Wiper
1 only	7065-0013	Wear Ring

**Model 7080-B** (Standard repair kit for balanced 7080)

1 only	1101-0218	"O" Ring
2 only	1101-0232	"O" Ring
2 only	1102-2021	"U" Cup
2 only	1102-2035	"U" Cup
1 only	7080-0013	Wear Ring

**Model 7080-BX**

1 only	1101-0218	"O" Ring
2 only	1101-0232	"O" Ring
2 only	1102-0035	"U" Cup
2 only	1102-2021	"U" Cup
1 only	7080-0013	Wear Ring

**Model 7080-U**

2 only	1101-0232	"O" Ring
1 only	1101-0214	"O" Ring
1 only	1102-2021	"U" Cup
2 only	1102-2035	"U" Cup
1 only	7080-0013	Wear Ring

**Model 7080-UX**

2 only	1101-0232	"O" Ring
1 only	1101-0214	"O" Ring
1 only	1102-2021	"U" Cup
2 only	1102-0035	"U" Cup
1 only	7080-0013	Wear Ring

**Model 7085-B**

1 only	1101-0222	"O" Ring
2 only	1101-0236	"O" Ring
2 only	1102-2037	"U" Cup
2 only	1102-2028	"U" Cup
1 only	7085-0041	Wear Ring

**Model 7085-BX**

1 only	1101-0222	"O" Ring
2 only	1101-0236	"O" Ring
2 only	1102-0038	"U" Cup
2 only	1102-2028	"U" Cup
1 only	7085-0041	Wear Ring

**Model 7085-SU**

2 only	1101-0024	"O" Ring	
1 only	1101-0016	"O" Ring	
2 only	1101-0109	"O" Ring	
1 only	1101-0216	"O" Ring	
2 only	1101-0236	"O" Ring	
2 only	1102-0005B	"U" Cup	(After Jan 2012)
4 only	1102-0007B	"U" Cup	(After Jan 2012)
2 only	1102-2020	"U" Cup	
2 only	1102-2037	"U" Cup	
1 only	1102-2028	"U" Cup	
2 only	1102-2006-H	"U" Cup	
1 only	7085-0041	Wear Ring	
1 only	7085-0042	Gasket	
1 only	1024-0810	Spring Pin	

**Model 7085-SB**

2 only	1101-0024	"O" Ring	
1 only	1101-0016	"O" Ring	
2 only	1101-0109	"O" Ring	
1 only	1101-0222	"O" Ring	
2 only	1101-0236	"O" Ring	
2 only	1102-0005B	"U" Cup	(After Jan 2012)
4 only	1102-0007B	"U" Cup	(After Jan 2012)
2 only	1102-2020	"U" Cup	
2 only	1102-2037	"U" Cup	
2 only	1102-2028	"U" Cup	
2 only	1102-2006-H	"U" Cup	
1 only	7085-0041	Wear Ring	
1 only	7085-0042	Gasket	
1 only	1024-0810	Spring Pin	

**Model 7085-U**

1 only	1101-0216	"O" Ring	
2 only	1101-0236	"O" Ring	
1 only	1102-2028	"U" Cup	
2 only	1102-2037	"U" Cup	
1 only	7085-0041	Wear Ring	

**Model 7085-SA** (Spool assembly only)

2 only	1101-0109	"O" Ring	
2 only	1102-0005B	"U" Cup	
4 only	1102-0007B	"U" Cup	
1 only	7085-0042	Gasket	
1 only	1024-0810	Spring pin	

**Model 7085-S** (Servo cylinder only)

1 only	1101-0016	"O" Ring	
2 only	1101-0024	"O" Ring	
2 only	1102-2020	"U" Cup	
2 only	1102-2006-H	"U" Cup	



**Model 7087-B**

1 only	1101-0138	"O" Ring
1 only	1101-0224	"O" Ring
2 only	1102-2031-H	"U" Cup
2 only	1102-2037	"U" Cup
2 only	1102-6028-H	Rod Wiper
1 only	7085-0041	Wear Ring

**Model 7087-U**

1 only	1101-0138	"O" Ring
1 only	1101-0218	"O" Ring
2 only	1101-0236	"O" Ring
1 only	1102-2031-H	"U" Cup
2 only	1102-2037	"U" Cup
1 only	1102-6028-H	Rod Wiper
1 only	7085-0041	Wear Ring

**Model 7090-U**

1 only	1101-0222	"O" Ring
1 only	1101-0231	"O" Ring
2 only	1101-0244	"O" Ring
1 only	1102-2050-H	"U" Cup
2 only	1102-2054	"U" Cup
1 only	1102-6036	Rod Wiper
1 only	7090-0009	Wear Ring

**Model 7093-B**

1 only	1101-0224	"O" Ring
2 only	1101-0240	"O" Ring
2 only	1102-2053	"U" Cup
2 only	1102-2058	"U" Cup (remove insert)
1 only	7093-0013	Wear Ring

**Model 7093-U**

1 only	1101-0218	"O" Ring
2 only	1101-0240	"O" Ring
2 only	1102-2053	"U" Cup
1 only	1102-2058	"U" Cup (remove insert)
1 only	7093-0013	Wear Ring

**Model 7094D**

1 only	1101-0220	"O" Ring
2 only	1101-0240	"O" Ring
2 only	1102-2053	"U" Cup
1 only	7094D-0033	V-Pack
1 only	7093-0013	Wear Ring

**Model 7094-DL**

1 only	1101-0220	"O" Ring
2 only	1101-0240	"O" Ring
2 only	1102-2053	"U" Cup
1 only	7094-0033	V-Pack (special)
1 only	7093-0013	Wear Ring

**Model 7095**

2 only	1101-0222	"O" Ring
2 only	1101-0248	"O" Ring
2 only	1102-2055	"U" Cup
1 only	7094-0033	V-Pack (special)
1 only	7095-0032	Wear Ring

**Model 7095D**

2 only	1101-0224	"O" Ring
2 only	1101-0248	"O" Ring
2 only	1102-2055	"U" Cup
1 only	7095D-0033	V-Pack (special)
1 only	7095-0032	Wear Ring

**Model 7096**

1 only	1101-0230	"O" Ring
2 only	1101-0256	"O" Ring
2 only	1102-2045	"U" Cup
1 only	7096-0032	Wear Ring
1 only	7096-0033	"V" Packing

**Model 7096D**

Same as 7096

**Model 7120**

2 only	1101-0014	"O" Ring
2 only	1101-0016	"O" Ring
1 only	7120-0008	Gasket
1 only	7120-0009	Gasket
2 only	7120-0010	Gasket

**Model 7142**

1 only	1101-0016	"O" Ring
2 only	1101-0125	"O" Ring
1 only	1101-0224	"O" Ring
2 only	1102-0026	"U" cup
2 only	1102-0064	"U" cup
2 only	1102-2006-H	"U" Cup
1 only	7040-0013	Wear Ring

**Model 7143**

1 only	1101-0020	"O" Ring
1 only	1101-0026	"O" Ring
1 only	1101-0206	"O" Ring

**Model 7144**

1 only	1101-0006	"O" Ring
1 only	1101-0010	"O" Ring
2 only	1101-0012	"O" Ring
1 only	1101-0016	"O" Ring
2 only	7144-0006	Gasket

Not Supplied: 4 only "O" Rings per solenoid.

**Model 7145**

1 only	1101-0006	"O" Ring
2 only	1101-0011	"O" Ring
2 only	1101-0012	"O" Ring
1 only	7145-0008	Gasket
1 only	7145-0009	Gasket
1 only	7145-0010	Gasket
2 only	7145-0011	Gasket
1 only	7145-0012	Gasket
1 only	7145-0013	Gasket

Not Supplied: 4 only "O" Rings per solenoid. Total of 8.

**Model 7146**

1 only	1101-0012	"O" Ring
2 only	1101-0018	"O" Ring
1 only	7146-0017	Gasket

**Model 7147-RK**

2 only	1101-0010	"O" Ring	
1 only	1101-0014	"O" Ring	
2 only	1101-0020	"O" Ring	
1 only	1101-0022	"O" Ring	
2 only	1101-0133	"O" Ring	
4 only	1102-0005B	"U" Cup	
2 only	1102-0029	"U" Cup	
2 only	1102-0062B	"U" Cup	
2 only	1102-2007	"U" Cup	*replaced with 1102-0007 for
2 only	1102-2009-H	"U" Cup	7147-RK-HELMSMAN
2 only	1102-3005B	"U" Cup	
1 only	7050-0013	Wear ring	
1 only	7147-0060	Gasket	
1 only	1024-0510	Spring Pin	

**Model 7148**

5 only	1101-0010	"O" Ring	
2 only	1101-0012	"O" Ring	
1 only	1101-0014	"O" Ring	
2 only	1101-0015	"O" Ring	
2 only	1101-0016	"O" Ring	
2 only	1101-0017	"O" Ring	
2 only	1101-0021	"O" Ring	
2 only	1101-0022	"O" Ring	
1 only	1101-0116	"O" Ring	
2 only	1101-0228	"O" Ring	
4 only	1102-0007	"U" Cup	
2 only	1102-0057	"U" Cup	
4 only	1102-2009	"U" Cup	
1 only	1102-3007	"U" Cup	
1 only	7148-0068	Wear Ring	
1 only	7148-0073	Gasket	Channel (long)
1 only	7148-0074	Gasket	Channel (short)
1 only	7148-0075	Gasket	Solenoid supply
1 only	7148-0076	Gasket	Return oil
1 only	7148-0077	Gasket	Left channel
2 only	7148-0078	Gasket	Servo piston
1 only	7148-0079	Gasket	Right channel
1 only	7148-0090	Gasket	Return cover
2 only	7005-0031	Spring seat	
2 only	7012-0031	Spring seat	

**Model 7158**

7 only	1101-0010	"O" Ring	
2 only	1101-0016	"O" Ring	
2 only	1101-0017	"O" Ring	
2 only	1101-0022	"O" Ring	
1 only	1101-0024	"O" Ring	
2 only	1101-0028	"O" Ring	
2 only	1101-0030	"O" Ring	
1 only	1101-0116	"O" Ring	
2 only	1101-0224	"O" Ring	
2 only	1101-0228	"O" Ring	
4 only	1102-0007	"U" Cup	
2 only	1102-0009	"U" Cup	
1 only	1102-0011	"U" Cup	
2 only	1102-0057	"U" Cup	
2 only	1102-2026	"U" Cup	
1 only	7158-0029	Gasket	Main spool
1 only	7158-0031	Gasket	Manifold plate to right
1 only	7158-0032	Gasket	Manifold plate to left
4 only	7158-0033	Gasket	Spool valve
2 only	7158-0034	Gasket	Manifold extension plate
1 only	7148-0075	Gasket	Solenoid supply
1 only	7148-0076	Gasket	Return oil
1 only	7148-0077	Gasket	Left channel
2 only	7148-0078	Gasket	Servo piston
1 only	7148-0079	Gasket	Right channel

**Model 7170**

4 only	1101-0008	"O" Ring
1 only	1101-0014	"O" Ring
1 only	1101-0042	"O" Ring

**Model 7171**

1 only	1101-0014	"O" Ring
1 only	7171-0026	Seal

**Model 7174**

1 only	1101-0016	"O" Ring
1 only	7174-0027	Gasket

**Model 7201**

3 only	1101-0006	"O" Ring
5 only	1101-0012	"O" Ring
3 only	1101-0015	"O" Ring
2 only	1101-0017	"O" Ring
1 only	1101-0039	"O" Ring
1 only	7201-3680	Seal

Part#	Description
1101-0006	"O" Ring 1/4 x 1/8 x 1/16
1101-0008	"O" Ring 5/16 x 3/16 x 1/16
1101-0010	"O" Ring 3/8 x 1/4 x 1/16
1101-0011	"O" Ring 7/16 x 5/16 x 1/16
1101-0012	"O" Ring 1/2 x 3/8 x 1/16
1101-0013	"O" Ring 9/16 x 7/16 x 1/16
1101-0014	"O" Ring 5/8 x 1/2 x 1/16
1101-0015	"O" Ring 11/16 x 9/16 x 1/16
1101-0016	"O" Ring 3/4 x 5/8 x 1/16
1101-0017	"O" Ring 13/16 x 11/16 x 1/16
1101-0017-9	"O" Ring 13/16 x 11/16 x 1/16 - 90D
1101-0018	"O" Ring 7/8 x 3/4 x 1/16
1101-0019	"O" Ring 15/16 x 13/16 x 1/16
1101-0020	"O" Ring 1 x 7/8 x 1/16
1101-0021	"O" Ring 1 1/16 X 15/16 X 1/16
1101-0022	"O" Ring 1 1/8 x 1 x 1/16
1101-0023	"O" Ring 1 3/16 x 1 1/16 x 1/16
1101-0024	"O" Ring 1 1/4 x 1 1/8 x 1/16
1101-0026	"O" Ring 1 3/8 x 1 1/4 x 1/16
1101-0028	"O" Ring 1 1/2 x 1 3/8 x 1/16
1101-0029	"O" Ring 1 5/8 x 1 1/2 x 1/16
1101-0030	"O" Ring 1 3/4 x 1 5/8 x 1/16
1101-0031	"O" Ring 1 7/8 x 1 3/4 x 1/16
1101-0032	"O" Ring 2 x 1 7/8 x 1/16
1101-0033	"O" Ring 2 1/8 x 2 x 1/16
1101-0036	"O" Ring 2 1/2 x 2 3/8 x 1/16
1101-0039	"O" Ring 2 7/8 x 2 3/4 x 1/16
1101-0040	"O" Ring 3 x 2 7/8 x 1/16
1101-0042	"O" Ring 3 3/8 x 3 1/4 x 1/16
1101-0043	"O" Ring 3 5/8 x 3 1/2 x 1/16
1101-0046	"O" Ring 4 3/8 x 4 1/4 x 1/16
1101-0050	"O" Ring 5 3/8 x 5 1/4 x 1/16
1101-0109	"O" Ring 1/2 x 5/16 x 3/32
1101-0110	"O" Ring 9/16 x 3/8 x 3/32
1101-0111	"O" Ring 5/8 x 7/16 x 3/32
1101-0113	"O" Ring 3/4 x 9/16 x 3/32
1101-0115	"O" Ring 7/8 x 11/16 x 3/32
1101-0116	"O" Ring 15/16 x 3/4 x 3/32
1101-0117	"O" Ring 1 x 13/16 x 3/32
1101-0118	"O" Ring 1 1/16 x 7/8 x 1/8
1101-0120	"O" Ring 1 3/16 x 1 x 3/32
1101-0121	"O" Ring 1 1/4 x 1 1/16 x 3/32
1101-0123	"O" Ring 1 3/8 x 1 3/16 x 3/32
1101-0124	"O" Ring 1 7/16 x 1 1/4 x 3/32
1101-0125	"O" Ring 1 1/2 x 1 5/16 x 3/32
1101-0126	"O" Ring 1 9/16 x 1 3/8 x 3/32
1101-0129	"O" Ring 1 3/4 x 1 9/16 x 3/32

Part#	Description
1101-0132	"O" Ring 1 15/16 x 1 3/4 x 3/32
1101-0133	"O" Ring 2 x 1 13/16 x 3/32
1101-0134	"O" Ring 2 1/16 x 1 7/8 x 3/32
1101-0135	"O" Ring 2 1/8 x 1 15/16 x 3/32
1101-0136	"O" Ring 2 3/16 x 2 x 3/32
1101-0138	"O" Ring 2-5/16 x 2-1/8 x 3/32
1101-0139	"O" Ring 2 3/8 x 2 3/16 x 3/32
1101-0141	"O" Ring 2 1/2 x 2 5/16 3/32
1101-0147	"O" Ring 2 7/8 x 2 11/16 x 3/32
1101-0149	"O" Ring 3 x 2 13/16 X 3/32
1101-0151	"O" Ring 3 3/16 x 3 x 3/32
1101-0152	"O" Ring 3 7/16 x 3 1/4 x 3/32
1101-0156	"O" Ring 4 7/16 x 4 1/4 x 3/32
1101-0158	"O" Ring 4 15/16 x 4 3/4 x 3/32
1101-0161	"O" Ring 5 11/16 x 5 1/2 x 3/32
1101-0163	"O" Ring 6 3/16 x 6 x 3/32
1101-0165	"O" Ring 6 11/16 x 6 1/2 x 3/32
1101-0166	"O" Ring
1101-0177	"O" Ring 9 1/2 X 9 11/16 X 3/32
1101-0204	"O" Ring 5/8 x 3/8 x 1/8
1101-0206	"O" Ring 3/4 x 1/2 x 1/8
1101-0208	"O" Ring 7/8 x 5/8 x 1/8
1101-0210	"O" Ring 1 x 3/4 x 1/8
1101-0211	"O" Ring 1 1/16 x 13/16 x 1/8
1101-0212	"O" Ring 1 1/8 x 7/8 x 1/8
1101-0213	"O" Ring 1 3/16 x 15/16 x 1/8
1101-0214	"O" Ring 1 1/4 x 1 x 1/8
1101-0215	"O" Ring 1 5/16 x 1 1/16 x 1/8
1101-0216	"O" Ring 1 3/8 x 1 1/8 x 1/8
1101-0218	"O" Ring 1 1/2 x 1 1/4 x 1/8
1101-0220	"O" Ring 1 5/8 x 1 3/8 x 1/8
1101-0222	"O" Ring 1 3/4 x 1 1/2 x 1/8
1101-0223	"O" Ring 1 7/8 x 1 5/8 x 1/8
1101-0224	"O" Ring 2 x 1 3/4 x 1/8
1101-0225	"O" Ring 2 1/8 x 1 7/8 x 1/8
1101-0226	"O" Ring 2 1/4 x 2 x 1/8
1101-0227	"O" Ring 2 3/8 x 2 1/8 x 1/8
1101-0228	"O" Ring 2 1/2 x 2 1/4 x 1/8
1101-0230	"O" Ring 2 3/4 x 2 1/2 x 1/8
1101-0231	"O" Ring 2 7/8 x 2 5/8 x 1/8
1101-0232	"O" Ring 3 x 2 3/4 x 1/8
1101-0234	"O" Ring 3 1/4 x 3 x 1/8
1101-0236	"O" Ring 3 1/2 x 3 1/4 x 1/8
1101-0238	"O" Ring 3 3/4 x 3 1/2 x 1/8
1101-0240	"O" Ring 4 x 3 3/4 x 1/8
1101-0244	"O" Ring 4-1/2 x 4-1/4 x 1/8
1101-0248	"O" Ring 5 x 4 3/4 x 1/8
1101-0249	"O" Ring 5 1/8 x 4 7/8 x 1/8
1101-0250	"O" Ring 5 1/4 x 5 x 1/8
1101-0254	"O" Ring 5 3/4 X 5 1/2 X 1/8 (ACH-0254)

Part#	Description
1101-0256	"O" Ring 6 x 5 3/4 x 1/8
1101-0259	"O" Ring 6 1/2 x 6 1/4 x 1/8
1101-0265	Use 1101-1265
1101-0266	"O" Ring 8 1/4 x 8 x 1/8
1101-0270	"O" Ring 9 x 8 3/4 x 1/8
1101-0273	"O" Ring 10 x 9 3/4 x 1/8
1101-0324	"O" Ring 1 3/8 x 1 3/4 x 3/16
1101-0326	"O" Ring 2 x 1 5/8 x 3/16
1101-0327	"O" Ring 2 1/8 x 1 3/4 x 3/16
1101-0329	"O" Ring 2 3/8 x 2 x 3/16
1101-0330	"O" Ring 2 1/2 x 2 1/8 x 3/16
1101-0333	"O" Ring 2 7/8 x 2 1/2 x 3/16
1101-0334	"O" Ring 3 x 2 5/8 x 3/16
1101-0342	"O" Ring 4 x 3 5/8 x 3/16
1101-0361	"O" Ring 6 3/8 x 6 x 3/16
1101-0425	"O" Ring 5 x 4 1/2 x 1/4
1101-0431	"O" Ring 5 3/4 x 5 1/4 x 1/4
1101-0437	"O" Ring 6 1/2 x 6 x 1/4
1101-0438	"O" Ring 6 3/4 x 6 1/4 x 1/4
1101-0439	"O" Ring 7 x 6 1/2 x 1/4 (ACH-0439)
1101-0440	"O" Ring 7 1/4 x 6 3/4 x 1/4
1101-0445	"O" Ring 8 1/2 x 8 x 1/4
1101-0450	"O" Ring 11 x 10 x 1/4
1101-0452	"O" Ring 12 x 11 1/2 x 1/4
1101-0456	"O" Ring 14 x 13 1/2 x 1/4
1101-1244	"O" Ring 4 1/2x 4 1/4 x 1/8, URETHANE
1101-1265	"O" Ring 200 mm x 3.5 mm N 70
1101-1361	"O" Ring 6 3/8 x 6 3/16 x 3/16 90 Shore
1101-2026	"O" Ring 32 mm x 2 mm
1101-2031	"O" Ring 35mm x 31mm x 2mm
1101-2040	"O" Ring 40mm x 1.5mm
1101-2165	"O" Ring 174mm x 170mm x 2mm
1101-2166	"O" Ring 175mm x 170mm x 2.5mm
1101-3070	"O" Ring cord 1/16"
1101-3103	"O" Ring cord 3/32"
1102-0001	"U" Cup 1/2 x 5/16 x 3/32
1102-0002	"U" Cup 1/2 x 1/4 x 1/8
1102-0003	"U" Cup 5/8 x 3/8 x 1/8
1102-0004	"U" Cup 11/16 x 7/16 x 1/8
1102-0005	"U" Cup 3/4 x 1/2 x 1/8
1102-0006	"U" Cup 7/8 x 5/8 x 1/8
1102-0007	"U" Cup 1 x 3/4 x 1/8
1102-0008	"U" Cup 1 1/8 x 7/8 x 1/8
1102-0009	"U" Cup 1 1/4 x 1 x 1/8
1102-0010	"U" Cup 1 3/8 x 1 1/8 x 1/8
1102-0011	"U" Cup 1 1/2 x 1 1/4 x 1/8
1102-0012	"U" Cup 1 5/8 x 1 3/8 x 1/8
1102-0013	"U" Cup 1 3/4 x 1 1/2 x 1/8
1102-0014	"U" Cup 3/4 x 3/8 x 3/16



Part#	Description
1102-0015	"U" Cup 7/8 x 1/2 x 3/16
1102-0016	"U" Cup 1 x 5/8 x 3/16
1102-0017	"U" Cup 1 1/8 x 3/4 x 3/16
1102-0018	"U" Cup 1 1/4 x 7/8 x 3/16
1102-0019	"U" Cup 1 3/8 x 1 x 3/16
1102-0020	"U" Cup 1 1/2 x 1 1/8 x 3/16
1102-0021	"U" Cup 2 x 1 5/8 x 3/16
1102-0023	"U" Cup 1 x 1/2 x 1/4
1102-0024	"U" Cup 1 1/8 x 5/8 x 1/4
1102-0025	"U" Cup 1 3/16 x 11/16 x 1/4
1102-0026	"U" Cup 1 1/2 x 1 x 1/4
1102-0027	"U" Cup 1 3/4 x 1 1/4 x 1/4
1102-0028	"U" Cup 2 x 1 1/2 x 1/4
1102-0029	"U" Cup 2 x 1 3/8 x 5/16
1102-0030	"U" Cup 2 1/8 x 1 1/2 x 5/16
1102-0031	"U" Cup 2 1/8 x 1 3/4 x 5/16
1102-0032	"U" Cup 2 1/2 x 1 7/8 x 5/16
1102-0033	"U" Cup 2 5/8 x 2 x 5/16
1102-0034	"U" Cup 2 3/4 x 2 1/8 x 5/16
1102-0035	"U" Cup 3 x 2 3/8 x 5/16
1102-0036	"U" Cup 3 1/8 x 2 1/2 x 5/16
1102-0037	"U" Cup 3 1/4 x 2 1/2 x 3/8
1102-0038	"U" Cup 3 1/2 x 2 3/4 x 3/8
1102-0039	"U" Cup 3 3/8 x 2 5/8 x 3/8
1102-0040	"U" Cup 3 1/2 x 2 3/4 x 3/8
1102-0041	"U" Cup 3 5/8 x 2 5/8 x 3/8
1102-0042	"U" Cup 3 3/4 x 3 x 3/8
1102-0043	"U" Cup 4 x 3 1/4 x 3/8
1102-0044	"U" Cup 5 x 4 1/4 x 3/8
1102-0046	"U" Cup 12 x 11 1/4 x 3/8
1102-0047	"U" Cup 6 x 5 1/8 x 7/16
1102-0048	"U" Cup 8 x 7 x 1/2
1102-0049	"U" Cup 10 x 9 x 1/2
1102-0050	"U" Cup 5 x 4 x 1/2
1102-0051	"U" Cup 1 5/8 x 1 1/8 x 1/4
1102-0052	"U" Cup 1 3/4 x 1 3/8 x 3/16
1102-0054	"U" Cup 4 1/4 x 3 1/2 x 3/8
1102-0055	"U" Cup 2 7/8 x 2 1/4 x 5/16
1102-0056	"U" Cup 4 x 3 1/2 x 1/4
1102-0057	"U" Cup 2 1/2 x 2 x 1/4
1102-0058	"U" Cup 2 1/4 X 1 3/4 X 1/4
1102-0059	"U" Cup 3 1/2 X 3 X 1/4
1102-0060	"U" Cup 6 1/4 x 6 1/2 x 1/8 (6230)
1102-0061	"U" Cup 4 3/4 X 5 X 1/8 (6212)
1102-0062	"U" Cup 9/16 x 3/8 x 3/32
1102-0063	"U" Cup 2 1/2 X 2 1/8 X 3/16
1102-0064	"U" Cup 7/16" x 5/8" x 3/32"
1102-1001	"U" Cup 1/2 x 5/16 x 3/32 Viton
1102-1003	"U" Cup 3/8 x 5/8 x 1/8 Viton
1102-1005	"U" Cup 3/4 x 1/2 x 1/8 Viton

Part#	Description
1102-1006	"U" Cup 7/8 x 5/8 x 1/8 Viton
1102-1029	"U" Cup 2 x 1 3/8 x 5/16 Viton
1102-1040	"U" Cup 3 1/2 x 2 3/4 x 3/8 Viton
1102-1052	"U" Cup 1 3/4 x 1 3/8 x 3/16 Viton
1102-2001	"U" Cup 1/2 x 5/16 x 3/32 Urethane
1102-2005	"U" Cup 3/4 x 1/2 x 1/8 Urethane
1102-2006	"U" Cup 7/8 x 5/8 x 1/8 Urethane
1102-2006-H	"U" Cup 7/8 x 5/8 x 1/8 Hallite
1102-2007	"U" Cup 1 x 3/4 x 1/8 Ureth. (piston)
1102-2009	"U" Cup 1 1/4 x 1 x 1/8 Urethane
1102-2009-H	"U" Cup 1 1/4 X 1 X 1/8 . Hallite
1102-2010	"U" Cup 1 1/4 X 1 X 1/8 Urethane (rod)
1102-2011	UCup1 1/2x1 1/4x1/8UrethanUSE 1102-3026
1102-2020	"U" Cup 1 1/4 x 7/8 x 3/16 Urethane
1102-2021	"U" Cup 1 5/8 x 1 1/4 x 3/16 Urethane
1102-2026	"U" Cup 1 1/2 x 1 x 1/4 Urethane
1102-2027-H	"U" Cup 1 3/4 x 1 1/4 x 1/4 Hallite
1102-2028	"U" Cup 2 x 1 1/2 x 1/4 Urethane Rod&P
1102-2029	"U" Cup 2 x 1 3/8 x 5/16 Urethane
1102-2029-H	"U" Cup 2 x 1 3/8 x 5/16 Hallite
1102-2031	"U" Cup 2 1/8 x 1 3/4 x 1/4 Urethane
1102-2031-H	"U" Cup 2 1/8 x 1 3/4 x 1/4 Hallite
1102-2032	"U" Cup 2 1/2 x 1 7/8 x 5/16 Urethane
1102-2035	"U" Cup 3 x 2 3/8 x 5/16 Urethane
1102-2037	"U" Cup 3 1/2 x 2 3/4 x 3/8 Urethane
1102-2045	"U" Cup 6 x 5 1/4 x 3/8 Urethane
1102-2050	"U" Cup 2-5/8 x 2-1/4 x 3/8 Urethane
1102-2050-H	"U" Cup 2-5/8 x 2-1/4 x .335 Hallite
1102-2053	"U" Cup 4 x 3 1/4 x 3/8 Urethane
1102-2054	"U" Cup 4-1/2 x 3-3/4 x 3/8 Urethan R&P
1102-2055	"U" Cup 5 x 4 1/4 x 3/8 Urethane
1102-2058	"U" Cup 2 1/4 x 1 3/4 x 1/4 Urethane
1102-3005	"U" Cup 3/4 X 1/2 X 1/8 Poly Pack
1102-3006	"U" Cup 7/8 x 5/8 x 1/8 Poly Pack
1102-3007	"U" Cup 1 X 3/4 X 1/8 Ureth (7148)
1102-3008	"U" Cup 1 x 3/4 x 1/8 PolyPack, rod seal
1102-3009B	"U" Cup 1 1/4 x 1 x 1/8 Poly Pack
1102-3009S	"U" Cup 1 1/4 x 1 x 1/8 Poly Pack (std)
1102-3026	"U" Cup 1 1/2 X 1 1/4 X 1/8 Poly Pack
1102-3040	"U" Cup 5 1/4 x 4 1/2 x 3/8 Poly Pak
1102-3041	"U" Cup 5 1/4 x 4 1/2 x 3/8 Nitroxile
1102-3600	"U" Cup 6 1/2 x 6 x 1/4 Poly Pack
1102-3625	"U" Cup 6 3/4 x 6 1/4 x 1/4 Poly Pack
1102-3800B	"U" Cup 8 1/5 x 8 x .250 P/Pack Type B
1102-4021	Oil Seal 1 5/8 x 1 1/4 x 1/4 (7004HP)
1102-5001	"U" Cup 55 X 65 X 5 mm
1102-6010	Rod Wiper 5/8 x 7/8 x 1/8 (7040)
1102-6012	Rod Wiper 0.75 x 1.016 x 0.104 (7050)
1102-6020	Rod Wiper 1 1/4 x 1 5/8 x 3/16 (7067)
1102-6028-H	Rod Wiper 1 3/4 x 2 1/8 x 3/16 (7087)

Part#	Description
1102-6036	Rod Wiper 2-5/8 x 2-1/4 x 3/16
1102-6625	Rod Wiper 6 1/4 (94054)
1102-6800	Rod Wiper 8" (959-61)
1102-7005	"U" Cup 3/4 x 1/2 x 1/8 - carboxilat nit
1102-7007	"U" Cup 1 x 3/4 x 1/8 , carboxil. nitrox
1102-7107	"U" Cup 1 x 3/4 x 1/8 CN 90D
1102-8005	"U" Cup 1/2" ID x 3/4" OD x 1/8, 80D
1102-8007	"U" Cup 3/4" ID x 1" OD x 1/8, 80D