

# **REPAIR KITS**

**Hydraulics and Steering**

**SEPTEMBER 2009**

To order a repair kit, use the basic model number of the product followed by -RK. For example, a repair kit for a 7065-B is 7065-B-RK.

The Parts Discount applies to all repair kits.

## **Repair Kits**

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

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

For any items not listed in this document, please consult Kobelt Sales and Technical Support Department at 604-572-3935 or [sales@kobelt.com](mailto:sales@kobelt.com).

## HYDRAULICS

<b>Model 85</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>Model 4601</b>	(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

<b>Model 4602</b>		
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)		

<b>Model 4603</b>		
1 only	1101-0129	"O" Ring
1 only	1101-0326	"O" Ring
4 only	1102-0002	"U" Cup
2 only	1102-0006	"U" Cup

<b>Model 4604</b>		
1 only	1101-0129	"O" Ring
1 only	1101-0324	"O" Ring
2 only	1102-1001	"U" Cup
2 only	1102-1006	"U" Cup

<b>Model 4605-4</b>		
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 4605-6**

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 4605-8**

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**

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

## 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-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-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-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 (bal)**

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

**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	"U" Cup
2 only	1102-0062	"U" Cup
2 only	1102-2007	"U" Cup
2 only	1102-2009-H	"U" Cup
2 only	1102-3005	"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	1102-8005	"U" Cup	(After Jan 2009)
4 only	1102-8007	"U" Cup	(After Jan 2009)
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	1102-8005	"U" Cup	(After Jan 2009)
4 only	1102-8007	"U" Cup	(After Jan 2009)
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	1102-8005	"U" Cup	
4 only	1102-8007	"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-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
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
1 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
<u>Not Supplied:</u> 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 required.

**Model 7146**

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

**Model 7147**

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	1102-8005	"U" Cup
2 only	1102-0029	"U" Cup
2 only	1102-0062	"U" Cup
2 only	1102-2007	"U" Cup
2 only	1102-2009-H	"U" Cup
2 only	1102-3005	"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

**Model 7158**

3 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
2 only	1102-0011	"U" Cup
2 only	1102-0057	"U" Cup
2 only	1102-2026	"U" Cup
1 only	7158-0029	Gasket
1 only	7158-0031	Gasket
1 only	7158-0032	Gasket
4 only	7158-0033	Gasket

**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