Technical Information Manual
WCBD Brake Assemblies Installation, Operation and Maintenance
Airflex® Product Line



BC440177715094en-000101

WCBD Brake Assemblies

General Information

⚠ Warning

Forward this manual to the person responsible for Installation, Operation and Maintenance of the product described herein. Without access to this information, faulty Installation, Operation or Maintenance may result in personal injury or equipment damage.

Note: This manual is a supplement to the Airflex manual WCB 11070. For complete information on WCBD brake assemblies, obtain a copy of WCB 11070 and use it in conjunction with this manual.

⚠ Caution

Use Only Genuine Airflex® Replacement Parts. Danfoss recommends the use of only genuine Airflex replacement parts. The use of non-genuine Airflex replacement parts could result in substandard product performance, and may void your warranty.

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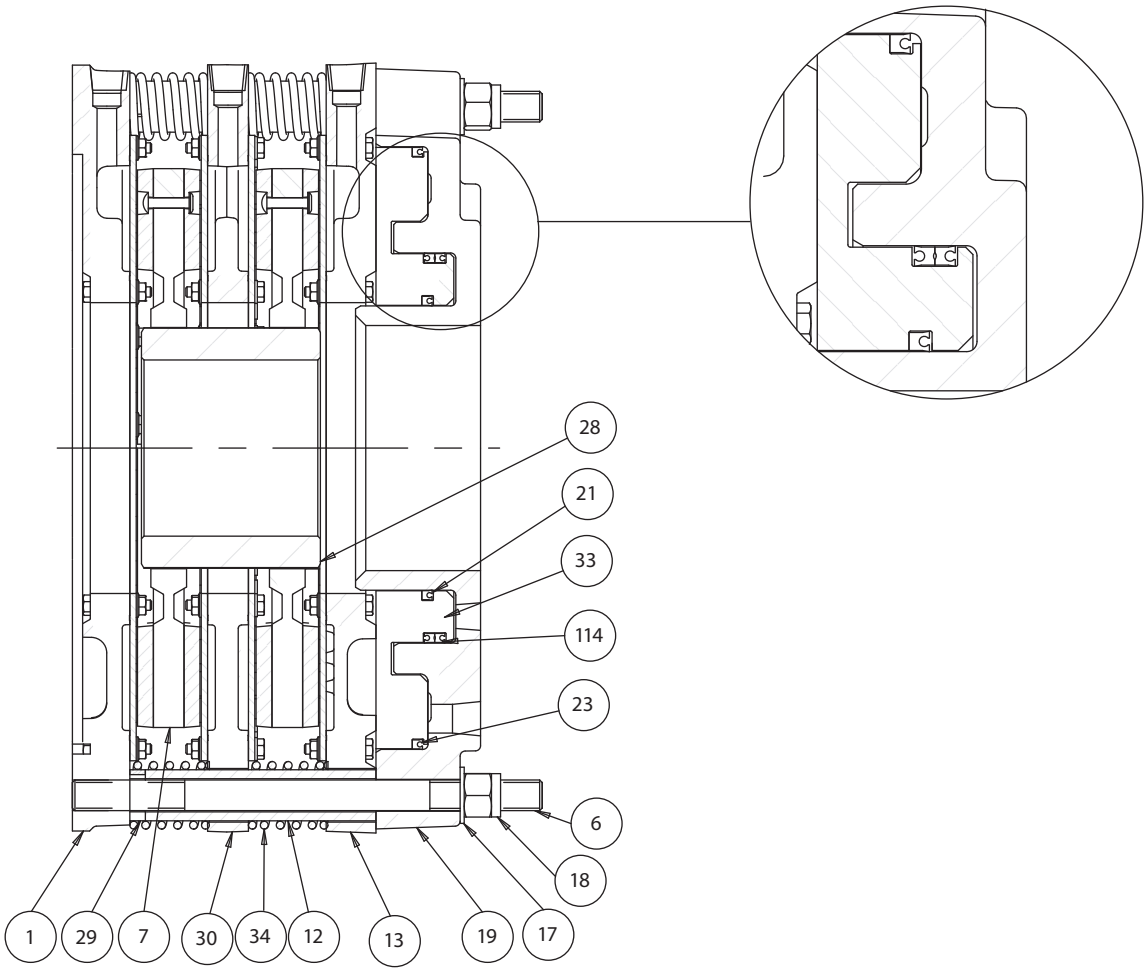


Figure 1

Table 1
Item Description

Item	Description
1	Mounting Flange S/A
6	Stud
7	Friction Disc S/A
12	Clamp Tube
13	Pressure Plate S/A
17	Flat Washer

Item	Description
18	Locknut
19	Dual Cylinder
21	Seal (Inner)
23	Seal (Outer)
28	Gear (Not included)
29	Wear Spacer

Item	Description
30	Reaction Plate S/A
33	Dual Piston
34	Release Spring
105	Pipe Plug (36" & 48" Only)
114	Seal (Intermediate)

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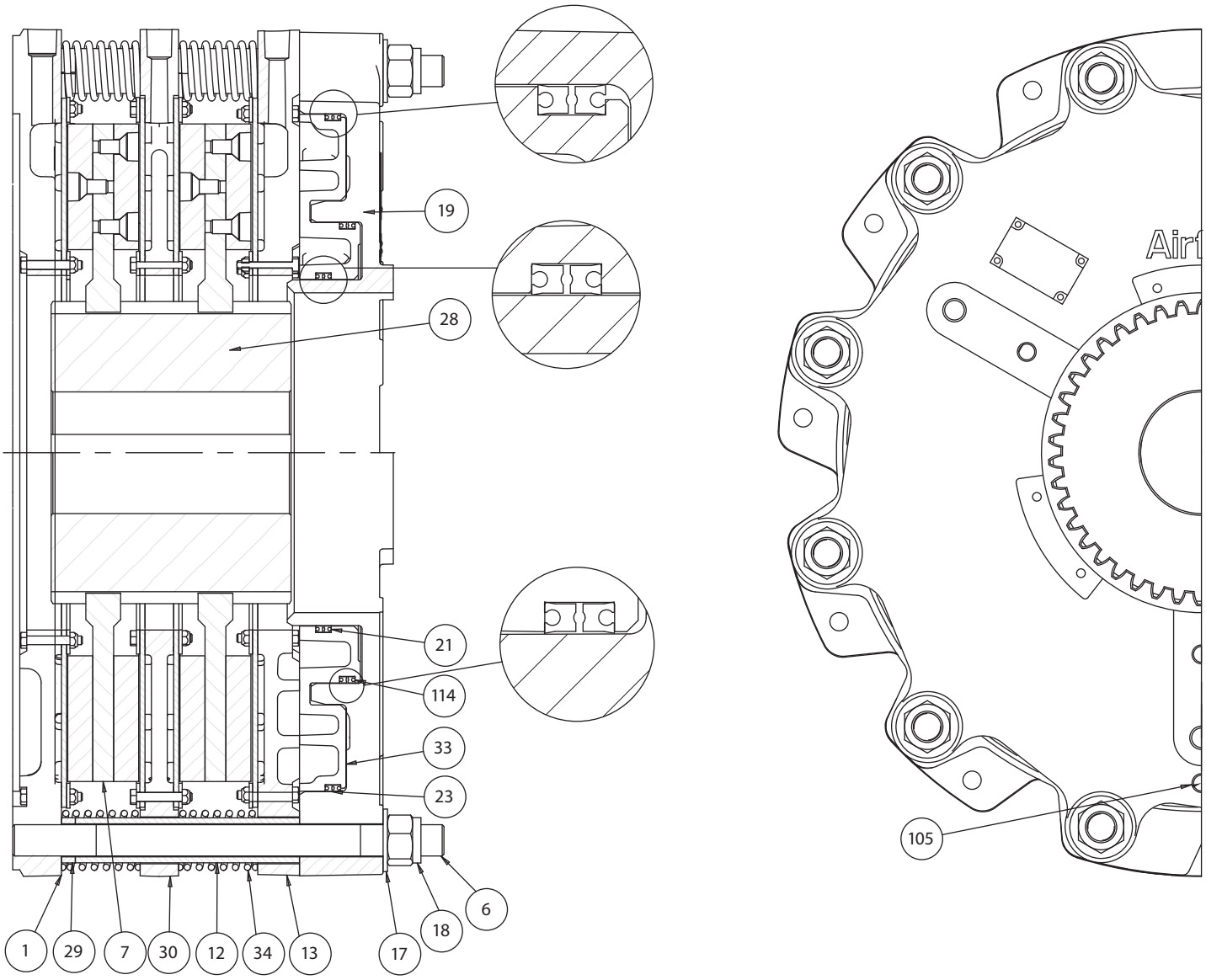


Figure 2

WCBD Brake Assemblies

1.0 INTRODUCTION

Throughout this manual there are a number of HAZARD WARNINGS that must be read and adhered to in order to prevent possible personal injury and/or damage to the equipment. Three signal words "DANGER", "WARNING", and "CAUTION" are used to indicate the severity of the hazard, and are preceded by the safety alert symbol ⚠.

⚠ Danger
Denotes the most serious injury hazard, and is used when serious injury or death WILL result from misuse or failure to follow specific instructions.

⚠ Warning
Used when serious injury or death MAY result from misuse or failure to follow specific instructions.

⚠ Caution
Used when injury or product/equipment damage may result from misuse or failure to follow specific instructions.

It is the responsibility and the duty of all personnel involved in the installation, operation and maintenance of the equipment on which this device is used to fully understand ⚠ Danger , ⚠ Warning , and ⚠ Caution procedures by which hazards are to be avoided.

1.1 Description

1.1.1 The Airflex WCBD brake assembly is identical to the Airflex WCB2 tensioner/brake's with the exception of a dual piston and cylinder that is also referred to as the "power head assembly". This manual describes the unique operation and maintenance features associated with the dual chambered power head, and is an WCBD brake assemblies addendum to the manual for the basic WCB2 tensioner/brake that has a single chambered piston and cylinder.

1.2 How It Works

1.2.1 Referring to Figure 1, the operation of the Airflex WCBD brake assembly is identical to that of the Airflex WCB2 tensioner/brake with the exception of the dual chambered piston/cylinder power head assembly. In the WCBD brake assembly, air pressure is applied to either the inner, outer, or both sets of the ports in the dual cylinder (19), causing the dual piston (33) and pressure plate assembly (13) to move towards the mounting flange, compressing the release springs. As the applied pressure to either or both of pressure chambers increases, the friction disc(s) are clamped between the pressure plate and mounting flange, stopping or controlling the shaft that the discs are mounted upon. Modulation of air pressure then controls applied torque of the WCBD brake assembly. The inner cylinder/piston chamber area of the power head is referred to as the small cylinder/piston, and the outer cylinder/piston chamber area is referred to as the large cylinder/piston.

Refer to Section 1.2 of Danfoss manual WCB 11070 for additional details of operation.

1.3 WCB2 versus WCBD

1.3.1 The WCBD dual piston/cylinder power head offers more precise tensioning control than the WCB2 tensioner/brake by dividing the standard WCB2 tensioner/brake piston/cylinder into a small and large section. This provides the ability to improve fine modulation of clamping pressure on the brake discs and improved control over our standard single chamber design. For very light tensioning loads, the small piston can be used solely, with no pressure applied to the large piston. For larger tensioning loads, the large piston can be used solely, with no pressure applied to the small piston. For the largest tensioning loads, both pistons can be used together. The combined area of the small and large piston/cylinder power head of the WCBD brake assembly is equal to the area of the WCB2 tensioner/brake's single piston/cylinder. In this way, the maximum applied torque for both styles of brakes is the same.

2.0 INSTALLATION

2.1 Preparation and Alignment

2.1.1 The preparation and alignment of the WCBD brake assembly is identical to that of the WCB2 tensioner/brake. Refer to IOM WCB 11070 for preparation and alignment procedures for the WCBD brake assembly.

2.2 Mounting

2.2.1 Mounting of the WCBD brake assembly is identical to that of the WCB2 tensioner/brake. Refer to IOM WCB 11070 for mounting procedures.

2.3 Air System

⚠ Warning
Maximum allowable air pressure to any WCBD brake assemblies pressure port is 150 psig (10.2 bar). Application of pressure exceeding maximum allowable may result in damage to the WCBD brake assembly.

2.3.1 Maximum allowable pressure is 150 psig (10.2 bar).

2.3.2 Use only clean, filtered air (a 50 micron filter or better is recommended) which is free of excess moisture.

2.3.3 Air inlet sizes are shown in Table 2. Air inlets are located on the face of the cylinder (19). Some cylinders will have a single port to facilitate purging of moisture that may accumulate in the air system or cylinder. This lowest port should be located at or near the 6 o'clock position.

Table 2 Air Inlet Sizes (NPT)

Size	Small Cylinder (Inner Ports)	Large Cylinder (Outer Ports)
8WCBD	3/8"-18 NPT	3/8"-18 NPT
14WCBD	3/8"-18 NPT	1/2"-14 NPT
18WCBD	3/8"-18 NPT	1/2"-14 NPT
24WCBD	3/8"-18 NPT	1/2"-14 NPT
36WCBD	3/8"-18 NPT	3/4"-14 NPT
48WCBD	1/2"-14 NPT	1"-11.5 NPT

2.3.4 All pipes should be free of metal chips, cutting compound and any other foreign matter. Pipe ends should be reamed after cutting to eliminate possible restrictions. For optimum air system response, a minimum number of bends and elbow should be used.

2.3.5 The WCBD brake assembly does not require lubricated air; however associated control valves may. Consult the valve manufacturer for appropriate recommendations.

2.4 Coolant System

2.4.1 Installation and operation of the WCBD brake assembly's coolant system is identical to the WCB2 tensioner/brake.

3.0 OPERATION

3.1 Conditions of Operation

3.1.1 With the exception of the dual cylinder/piston power head (Section 3.1.2, below), operation of the WCBD brake assembly is identical to operation of the WCB2 tensioner/brake. Refer to Section 3.0 of IOM WCB 11070 for conditions of operation of the WCBD brake assembly.

3.1.2 When applying operation air pressure to only one of the two WCBD brake assemblies piston pressure ports (item 19), of the dual piston configuration, the second piston pressure port must be open/vented to the atmosphere, with a filter installed in the vent line, as appropriate, to avoid contamination by foreign objects into the cylinder during piston operation.

4.0 MAINTENANCE

Note: Refer to WCB2 tensioner/brake manual WCB 11070 for maintenance of the WCBD brake assembly, with the exception of Section 4.1, which covers cylinder seal replacement. WCBD brake assembly cylinder seal replacement is covered in this manual.

4.1 Dual Cylinder Seal Replacement

4.1.1 Disconnect the air connections

4.1.2 While supporting the cylinder, loosen the locknuts (18) ONE TURN AT A TIME and in an alternating (crosswise) pattern until the spring force is completely relieved. Remove the locknuts and washers (17). Deep well sockets are required for removal of the locknuts.

4.1.3 Using lifting equipment, carefully remove the cylinder (19) and piston (33) as an assembly. Set aside in a clean area.

4.1.4 Place the cylinder and piston assembly with the piston facing down on blocks approximately 6" (150 mm) high. The blocks must only contact the cylinder (19) so that the piston (33) will be free to move out of the cylinder bore.

4.1.5 If a regulated air line is available, the piston can be partially ejected from the cylinder by applying no more than 15 psig (1.0 bar) to any of the pressure ports on the cylinder.

⚠ Caution
Application of a higher pressure may cause damage to the components.

4.1.6 To complete the removal of the piston from the cylinder, open all air inlets. Alternately insert a 0.50" (12 mm) diameter by 6" (150 mm) long wood dowel or small brass drift into each air inlet and gently tap the piston with a mallet so that it moves evenly out of the cylinder. Be careful not to damage the sealing surfaces of the piston or cylinder by cocking the piston in the cylinder.

4.1.7 Remove the seals. Note how the lips of the Inner (21), Outer (23), and Intermediate (114) seals are oriented. Refer to Figures 1 and 2.

Note: Upon disassembly and inspectiAon, a one-piece seal may be found for all intermediate seals (114) and on the inner (21) and outer (23) seals on sizes 18 and larger. These seals have since been superseded with two seals being installed 'back-to-back' as shown in Figures 1 and 2.

4.1.8 Inspect the cylinder sealing surface condition for nicks or scratches, corrosion, or any other defect which may prevent the seals from being effective. The maximum amount of radial wear on the seal surfaces is 0.005" (0,13 mm).. The wear on the sealing surfaces will be in the form of grooves where the seals contact the cylinder wall. Replace the cylinder, if necessary.

4.1.9 Thoroughly clean the seal grooves in the piston (33) and apply a thin coat of Molykote ® 55 O-ring lubricant to the piston seal grooves and chamfer on the piston, the sealing surfaces in the cylinder (19), and the seals (21), (23), and (114).

4.1.10 Install the new seals in the grooves in the piston, noting the orientation of the seal lips. See Figures 1 & 2.

4.1.11 Position the cylinder on a flat level surface so that the pressure cavity faces upward.

4.1.12 Carefully place the piston onto the cylinder with the chamfered edge of the piston facing downward, taking special care to avoid damaging the seal lips.

4.1.13 Gradually apply an evenly distributed force to press the piston into the cylinder being sure not to cock the piston, which may damage the sealing surfaces. The use of 'C-Clamps' may assist with the assembly process.

4.1.14 Using a lifting strap, slide the cylinder/piston assembly onto the studs.

4.1.15 Lubricate the threads on the end of the studs with 30 wt. oil or anti-seizing compound and install the washers (17) and locknuts (18).

4.1.16 While supporting the weight of the cylinder/piston assembly, tighten the locknuts, ONE TURN AT A TIME and in an alternating (cross- wise) pattern until the cylinder is seated firmly against the clamp tubes. Torque the locknuts to the appropriate value. See Table 3.

⚠ Caution
The locknuts (18) must be tightened gradually to prevent damage to the WCBD brake assembly's components.

Table 3
Fastener Description and AssemblyTorque - ft.-lb. (Nm)

Item	Description	**Specification**	8WCBD	14WCBD	18WCBD	24WCBD	36WCBD	48WCBD
4	Wear Plate	Size	#10-24NC	1/4-NC2	5/16-18 NC Gr. 8	5/16-18NC Gr. 8	3/8-16NC2 Gr. 8	3/8-16NC2 Gr. 8
	Screw	Quantity	42	60	80	90	108	120
5	Locknut	Torque, Dry	5 (7)	12 (16)	21 (28)	21 (28)	40 (54)	40 (54)
18	Locknut	Size	1/2-13NC-3	3/4-10NC-3	3/4-10 NC-3 Gr. 8	1 1/8-7 NC Gr. 8	1 3/8-6 NC Gr. 8	1 3/8-6 NC Gr. 8
		Quantity	6	6	12	12	16	16
		Torque, Lubed	60 (81)	150 (203)	150 (203)	500 (677)	750 (1016)	750 (1016)
Customer	Mounting	Size	1/2-13 NC-2 Gr. 8	5/8-11NC-2 Gr. 8	5/8-11NC-2 Gr. 8	5/8-11NC-2 Gr. 8	1-8NC Gr. 8	1 3/8-6NC Gr. 5
Supplied	Screw	Quantity	4	6	10	10	14	14
		Torque, Lubed	70 (95)	150 (203)	150 (203)	150 (203)	660 (895)	1100 (1490)

4.1.17 Test for proper seal installation as follows:

4.1.17.1 There are two sets of ports on the cylinder; the outermost positioned ports connect to the larger pressure chamber. The innermost ports connect to the small pressure chamber. Remove any pipe plugs or fittings from the inner ports.

4.1.17.2 Install a pressure gauge in one of the outer cylinder ports. Apply 80 psig (5.1 bar) air through a second outer cylinder port (after plugging the other outer NPT port for the 14WCBD thru 48WCBD) to engage the WCBD brake assembly.

4.1.17.3 After the pressure has stabilized, shut off the air supply. Monitor the pressure gauge for a drop in pressure for a period of ten minutes. If the air pressure does not drop below 60 psig (4.1 bar) within 10 minutes, the seals have been properly installed. If leakage is excessive, try to note the location of the leakage. If the intermediate seal is leaking, air will pass into the small (inner) chamber.

4.1.17.4 Exhaust all air pressure from the WCBD brake assembly. Remove the plugs and gauges from the outer- most ports and install them in the inner ports, leaving all of the outermost ports open.

4.1.17.5 Apply 80 psig (5.1 bar) air pressure through one of the inner ports in the cylinder (after plugging the other inner port for the 14WCBD thru 48WCBD) to engage the WCBD brake assembly.

4.1.17.6 After the pressure has stabilized, shut off the air supply. Monitor the pressure gauge for a drop in pressure for a period of ten minutes. If the air pressure does not drop below 60 psig (4.1 bar) within 10 minutes, the seals have been properly installed. If leakage is excessive, try to note the location of the leakage. If the intermediate seal is leaking, air will pass into the large (outer) chamber.

4.1.17.7 If excessive leakage is found in testing of the large or small pressure chamber, disassemble the WCBD brake assembly and check the suspect seals and sealing surfaces for damage or other causes of leakage. Repair or replace components as required.

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WCBD Brake Assemblies

6.0 PARTS & KITS

6.1.1 Parts (Standard)

Item	Description	108WCBD 146415AE Part Number	Qty	208WCBD 146416AE Part Number	Qty	308WCBD 146417AE Part Number	Qty
1	Mounting Flange Sub-Assembly*	512508-01	1	512508-01	1	512508-01	1
6	Stud	000245X0055	6	000245X0056	6	000245X0099	6
7	Friction Disc Sub-Assembly*	512512	1	512512	2	512512	3
12	Clamp Tube	307694-01	6	307694-02	6	307694-05	6
13	Pressure Plate Sub-Assembly*	512508-03	1	512508-03	1	512508-03	1
17	Flat Washer	000067X0041	6	000067X0041	6	000067X0041	6
18	Lock Nut	000110X0024	6	000110X0024	6	000110X0024	6
19	Dual Cylinder	515034	1	515034	1	515034	1
21	Seal (Inner)	000402X0001	1	000402X0001	1	000402X0001	1
23	Seal (Outer)	000402X0002	1	000402X0002	1	000402X0002	1
28	Gear (Not included with Assembly)	415313-####	1	415314-####	1	416457-####	1
29	Wear Spacer	N/A	N/A	308393	6	308393	12
30	Reaction Plate Sub-Assembly*	N/A	N/A	512508-02	1	512508-02	2
33	Dual Piston	515043	1	515043	1	515043	1
34	Release Spring	307696	3	307696	6	307696	9
114	Seal (Intermediate)	000402X0075	2	000402X0075	2	000402X0075	2

* Individual parts breakdown for standard WCB2 sub-assemblies are in section 6.4 of Danfoss manual WCB 11070.

6.1.2 Parts (Standard)

Item	Description	114WCBD 146418AE Part Number	Qty	214WCBD 146419AE Part Number	Qty	314WCBD 146420AE Part Number	Qty
1	Mounting Flange Sub-Assembly*	513300-01	1	513300-01	1	513300-01	1
6	Stud	000245X0058	6	000245X0054	6	000245X0083	6
7	Friction Disc Sub-Assembly*	415208	1	415208	2	415208	3
12	Clamp Tube	306956-07	6	306956-26	6	306956-27	6
13	Pressure Plate Sub-Assembly*	513300-03	1	513300-03	1	513300-03	1
17	Flat Washer	000067X0040	6	000067X0040	6	000067X0040	6
18	Lock Nut	000110X0030	6	000110X0030	6	000110X0030	6
19	Dual Cylinder	514678	1	514678	1	514678	1
21	Seal (Inner)	000402X0003	1	000402X0003	1	000402X0003	1
23	Seal (Outer)	000402X0004	1	000402X0004	1	000402X0004	1
28	Gear (Not included with Assembly.)	415454-####	1	415302-####	1	416303-####	1
29	Wear Spacer	N/A	N/A	308388-01	6	308388-01	12
30	Reaction Plate Sub-Assembly*	N/A	N/A	513300-02	1	513300-02	2
33	Dual Piston	514676	1	514676	1	514676	1
34	Release Spring	307629	3	307629	6	307629	9
114	Seal (Intermediate)	000402X0046	2	000402X0046	2	000402X0046	2

* Individual parts breakdown for standard WCB2 sub-assemblies are in section 6.4 of Danfoss manual WCB 11070.

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6.1.3 Parts (Standard)

Item	Description	118WCBD 146421AE Part Number	Qty	218WCBD 146422AE Part Number	Qty	318WCBD 146423AE Part Number	Qty	418WCBD 146424AE Part Number	Qty
1	Mounting Flange Sub-Assembly*	513232-01	1	513232-01	1	513232-01	1	513232-01	1
6	Stud	000245X0057	12	000245X0063	12	000245X0085	12	000245X0086	12
7	Friction Disc Sub-Assembly*	513882	1	513882	2	513882	3	513882	4
12	Clamp Tube	306956-11	12	306956-12	12	306956-34	12	306956-22	12
13	Pressure Plate Sub-Assembly*	513232-03	1	513232-03	1	513232-03	1	513232-03	1
17	Flat Washer	000153X0727	12	000153X0727	12	000153X0727	12	000153X0727	12
18	Lock Nut	000110X0030	12	000110X0030	12	000110X0030	12	000110X0030	12
19	Dual Cylinder	514695	1	514695	1	514695	1	514695	1
21	Seal (Inner)	000402X0021	2	000402X0021	2	000402X0021	2	000402X0021	2
23	Seal (Outer)	000402X0022	2	000402X0022	2	000402X0022	2	000402X0022	2
28	Gear (Not included with Assembly.)	302813-####	1	302907-####	1	413208-####	1	414111-####	1
29	Wear Spacer	N/A	N/A	308388-02	12	308388-02	24	308388-02	36
30	Reaction Plate Sub-Assembly*	N/A	N/A	513232-02	1	513232-02	2	513232-02	3
33	Dual Piston	514693	1	514693	1	514693	1	514693	1
34	Release Spring	307629	6	307629	12	307629	18	307629	24
114	Seal (Intermediate)	000402X0016	2	000402X0016	2	000402X0016	2	000402X0016	2

* Individual parts breakdown for standard WCB2 sub-assemblies are in section 6.4 of Danfoss manual WCB 11070.

6.1.4 Parts (Standard)

Item	Description	124WCBD 146425AE Part Number	Qty	224WCBD 146426AE Part Number	Qty	324WCBD 146427AE Part Number	Qty	424WCBD 146428AE Part Number	Qty
1	Mounting Flange Sub-Assembly*	513348-01	1	513348-01	1	513348-01	1	513348-01	1
6	Stud	000245X0069	12	000245X0071	12	000245X0081	12	000245X0082	12
7	Friction Disc Sub-Assembly*	513964-01	1	513964-01	2	513964-01	3	513964-01	4
12	Clamp Tube	306542-05	12	306542-20	12	306542-23	12	306542-24	12
13	Pressure Plate Sub-Assembly*	513348-03	1	513348-03	1	513348-03	1	513348-03	1
17	Flat Washer	000153X0641	12	000153X0641	12	000153X0641	12	000153X0641	12
18	Lock Nut	000110X0073	12	000110X0073	12	000110X0073	12	000110X0073	12
19	Dual Cylinder	514690	1	514690	1	514690	1	514690	1
21	Seal (Inner)	000402X0023	2	000402X0023	2	000402X0023	2	000402X0023	2
23	Seal (Outer)	000402X0024	2	000402X0024	2	000402X0024	2	000402X0024	2
28	Gear (Not included with Assembly.)	411672-####	1	410970-####	1	412433-####	1	413195-####	1
29	Wear Spacer	N/A	N/A	308396	12	308396	24	308396	36
30	Reaction Plate Sub-Assembly*	N/A	N/A	513348-02	1	513348-02	2	513348-02	3
33	Dual Piston	514545	1	514545	1	514545	1	514545	1
34	Release Spring	416751-02	12	416751-02	24	416751-02	36	416751-02	48
114	Seal (Intermediate)	000402X0041	2	000402X0041	2	000402X0041	2	000402X0041	2

* Individual parts breakdown for standard WCB2 sub-assemblies are in section 6.4 of Danfoss manual WCB 11070.

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6.1.5 Parts (Standard)

Item	Description	136WCBD 146429AE Part Number	Qty	236WCBD 146430AE Part Number	Qty	336WCBD 146413AE Part Number	Qty	436WCBD 146431AE Part Number	Qty
1	Mounting Flange Sub-Assembly*	513985-01	1	513985-01	1	513985-01	1	513985-01	1
6	Stud	307111-04	16	307111-10	16	307111-05	16	307111-07	16
7	Friction Disc Sub-Assembly*	513990	1	513990	2	513990	3	513990	4
12	Clamp Tube	308204-07	16	308204-02	16	308204-04	16	308204-05	16
13	Pressure Plate Sub-Assembly*	513985-03	1	513985-03	1	513985-03	1	513985-03	1
17	Flat Washer	000067X0042	16	000067X0042	16	000067X0042	16	000067X0042	16
18	Lock Nut	000110X0075	16	000110X0075	16	000110X0075	16	000110X0075	16
19	Dual Cylinder	514586	1	514586	1	514586	1	514586	1
21	Seal (Inner)	000402X0005	2	000402X0005	2	000402X0005	2	000402X0005	2
23	Seal (Outer)	000402X0006	2	000402X0006	2	000402X0006	2	000402X0006	2
28	Gear (Not included with Assembly.)	416538-####	1	416536-####	1	416535-####	1	416537-####	1
29	Wear Spacer	N/A	N/A	308397	16	308397	32	308397	48
30	Reaction Plate Sub-Assembly*	N/A	N/A	513985-02	1	513985-02	2	513985-02	3
33	Dual Piston	515657	1	515657	1	515657	1	515657	1
34	Release Spring	416751-01	16	416751-01	32	416751-01	48	416751-01	64
105	Pipe Plug	000077X0021	1	000077X0021	1	000077X0021	1	000077X0021	1
114	Seal (Intermediate)	000402X0040	2	000402X0040	2	000402X0040	2	000402X0040	2

* Individual parts breakdown for standard WCB2 sub-assemblies are in section 6.4 of Danfoss manual WCB 11070.

6.1.6 Parts (Standard)

Item	Description	148WCBD 146432AE Part Number	Qty	248WCBD 146433AE Part Number	Qty	348WCBD 146434AE Part Number	Qty	448WCBD 146435AE Part Number	Qty
1	Mounting Flange Sub-Assembly*	514329-05	1	514329-05	1	514329-05	1	514329-05	1
6	Stud	307111-23	16	307111-22	16	307111-21	16	307111-20	16
7	Friction Disc Sub-Assembly*	514325	1	514325	2	514325	3	514325	4
12	Clamp Tube	308440-08	16	308440-07	16	308440-06	16	308440-05	16
13	Pressure Plate Sub-Assembly*	514329-01	1	514329-01	1	514329-01	1	514329-01	1
17	Flat Washer	000067X0042	16	000067X0042	16	000067X0042	16	000067X0042	16
18	Lock Nut	000110X0075	16	000110X0075	16	000110X0075	16	000110X0075	16
19	Dual Cylinder	514753	1	514753	1	514753	1	514753	1
21	Seal (Inner)	000402X0042	2	000402X0042	2	000402X0042	2	000402X0042	2
23	Seal (Outer)	000402X0044	2	000402X0044	2	000402X0044	2	000402X0044	2
28	Gear (Not included with Assembly.)	416794-####	1	416795-####	1	416688-####	1	416797-####	1
29	Wear Spacer	N/A	N/A	308398	16	308398	32	308398	48
30	Reaction Plate Sub-Assembly*	N/A	N/A	514329-02	1	514329-02	2	514329-02	3
33	Dual Piston	514484	1	514484	1	514484	1	514484	1
34	Release Spring	416751-04	16	416751-04	32	416751-04	48	416751-04	64
105	Pipe Plug	000077X0021	1	000077X0021	1	000077X0021	1	000077X0021	1
114	Seal (Intermediate)	000402X0043	2	000402X0043	2	000402X0043	2	000402X0043	2

* Individual parts breakdown for standard WCB2 sub-assemblies are in section 6.4 of Danfoss manual WCB 11070.

WCBD Brake Assemblies

6.2 Seal Kit

Model	Kit P/N	Description	Inner Seal (21)	Intermediate Seal (114)	Outer Seal (23)	Loctite #596 sealant	Instruction sheet
8	107671CD	Part Number Quantity	000402X0001 1	000402X0075 2	000402X0002 1	000153X1239 1	204183 1
14	107672CD	Part Number Quantity	000402X0003 1	000402X0046 2	000402X0004 1	000153X1239 1	204183 1
18	107726CD	Part Number Quantity	000402X0021 2	000402X0016 2	000402X0022 2	000153X1239 1	204183 1
24	107727CD	Part Number Quantity	000402X0023 2	000402X0041 2	000402X0024 2	000153X1239 1	204183 1
36	107662CD	Part Number Quantity	000402X0005 2	000402X0040 2	000402X0006 2	000153X1239 1	204183 1
48	108055CD	Part Number Quantity	000402X0042 2	000402X0043 2	000402X0044 2	000153X1239 1	204183 1

Note: All kits include one 5.3 oz. tube of Molykote 55 lubricant. Part number 000153X1239

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