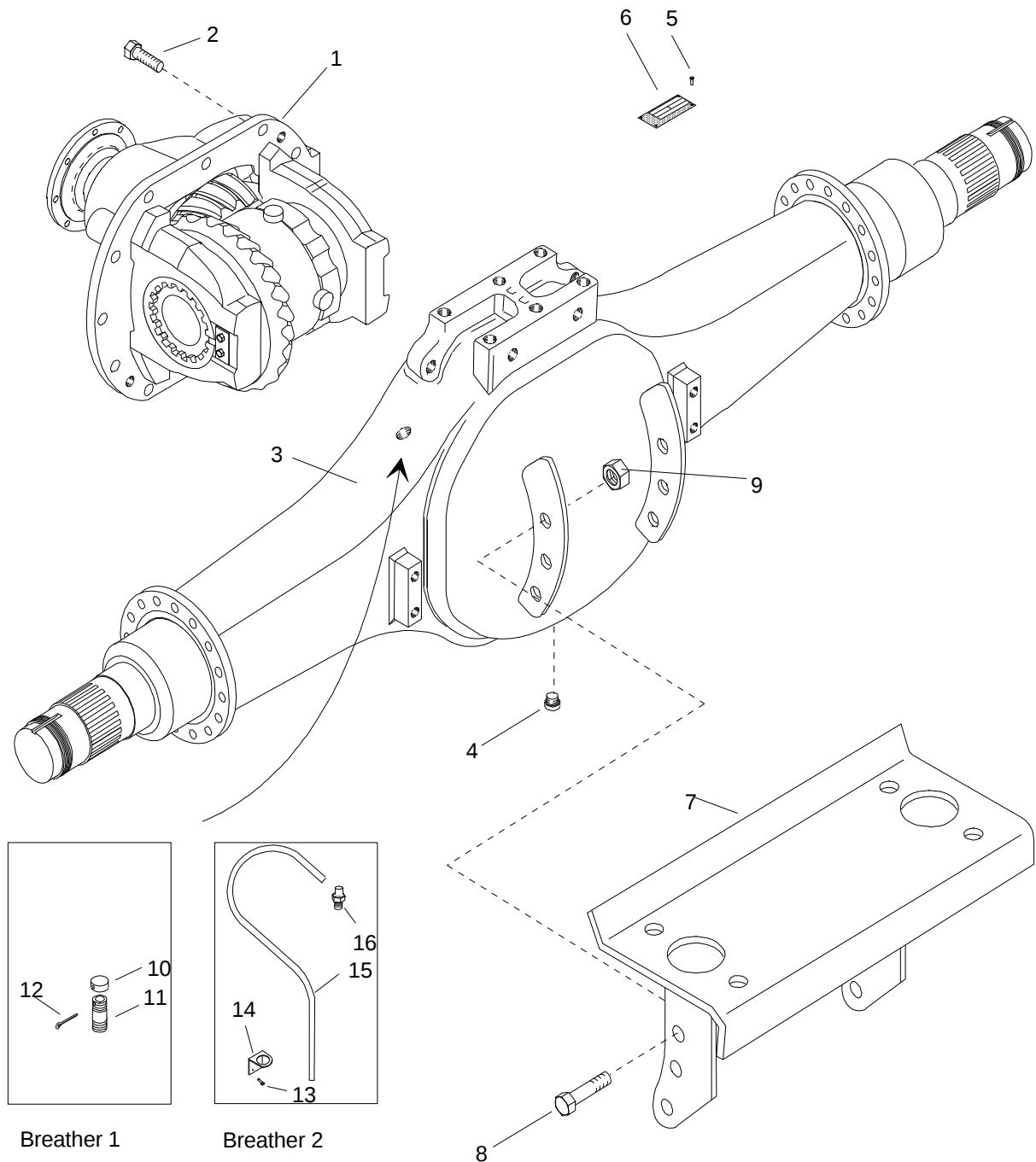


SISU AXLES

SPARE PARTS BOOK

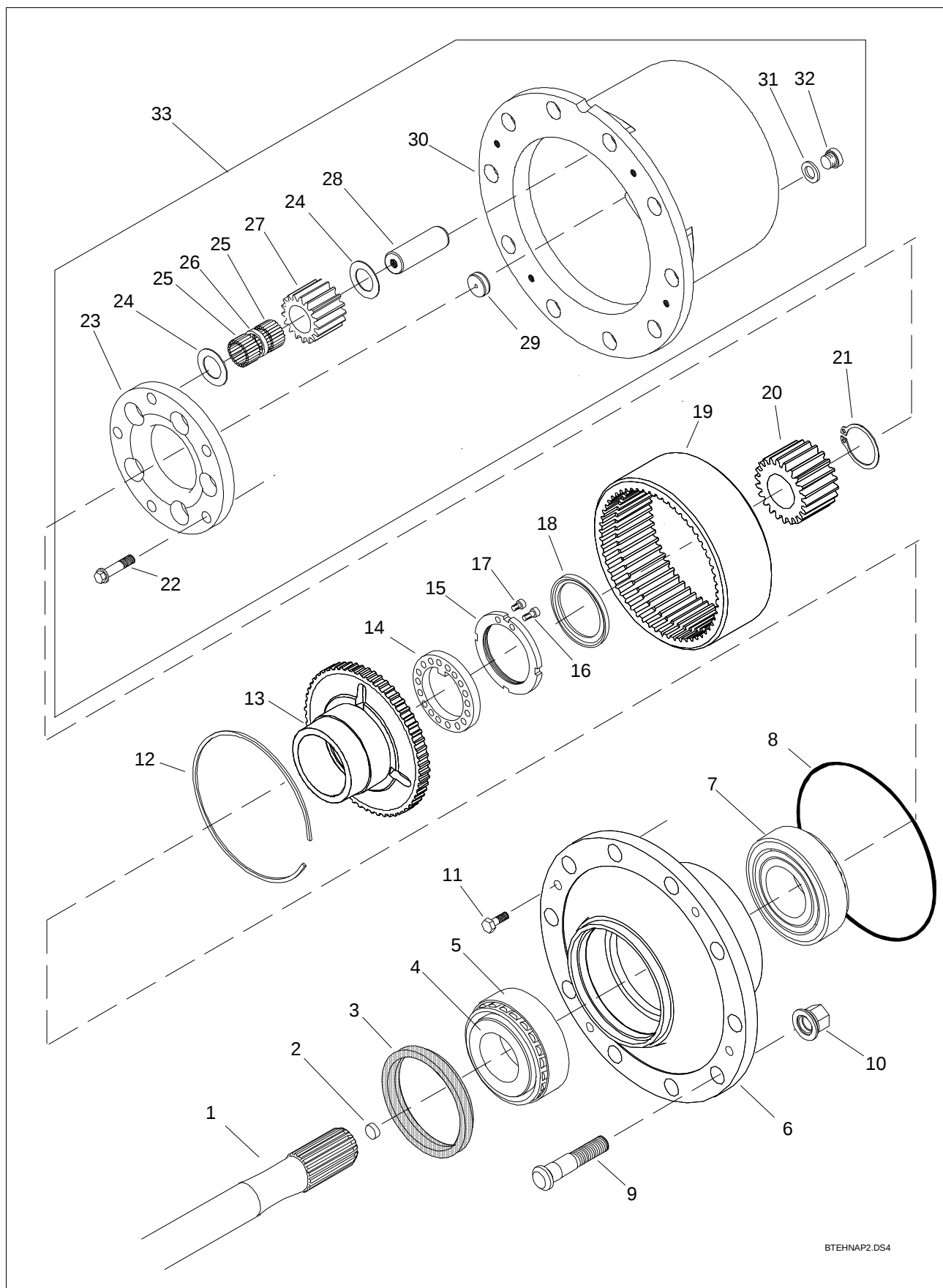
**Rear Tandem Axle
FRDP-13/16-S
543-071-8115 & -8125
543-071-8215 & -8225 (ABS)
Book No. 100 (10/1997)**

Sisu Axles, Inc.
Autotehtaan tie 1
PO Box 189
FIN-13101 Hämeenlinna
Finland
Phone +358 204 55 2999
Fax +358 204 55 2900



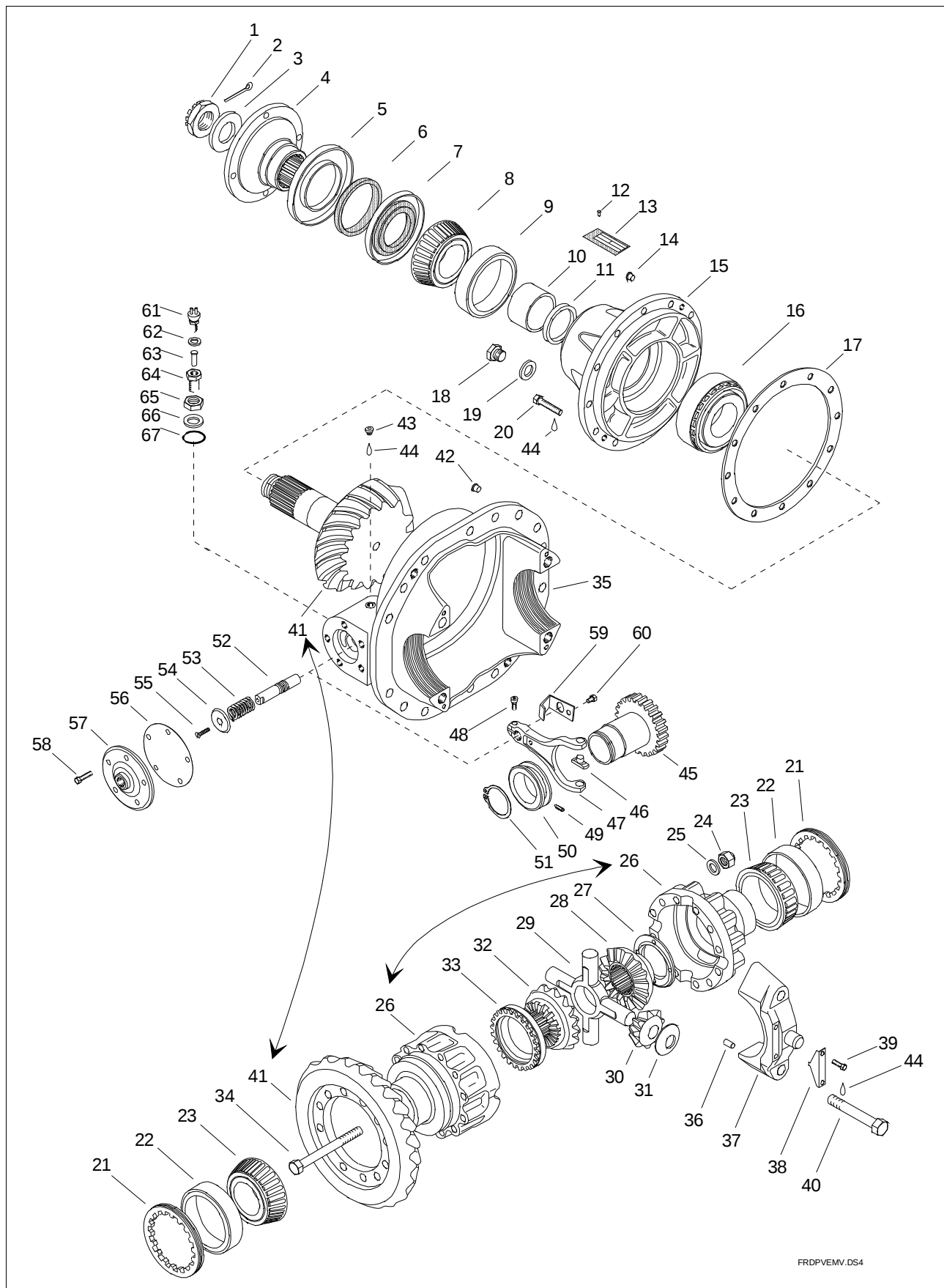
FRDPKEBAD.S4

Item	Qty.	Order no.	Description	Note
1	1	543-201-2515	Diff. Carrier Assembly	FR 4.68, ISO-T180 flange lock indicator switch
1	1	543-201-2525	Diff. Carrier Assembly	FR 5.56, ISO-T180 flange lock indicator switch
1	1	543-201-2535	Diff. Carrier Assembly	FR 4.09, ISO-T180 flange lock indicator switch
1	1	543-204-2415	Diff. Carrier Assembly	FR 4.65, ISO-T180 flange lock indicator switch
1	1	543-204-2437	Diff. Carrier Assembly	FR 4.29, ISO-T180 flange lock indicator switch
2	16	90303-16407	Hex Screw	M16x40, 10.9
3	1	543-116-3110	Axle Housing	Up to ser.no. 81371 (6/98)
3	1	543-116-4200	Axle Housing	Since ser.no 81372 (6/98)
3	1	543-116-4610	Axle Housing	Since No. 94263 (12/1999)
4	1	90831-24139	Oil plug	R 3/4", Up to No. 00702, 2/2000
4	1	90873-22109	Oil plug	M22x1.5, since No 00703, 2/2000
4	1	91201-22150	Seal ring	Cu, since No 00703, 2/2000
5	4	90111-29054	Rivet	
6	1	91600-20811	Name plate	
7	1	546-721-6410	Chamber bracket	c/c 245, 78 deg, up to No. 94262 (12/1999)
7	1	546-721-6710	Chamber bracket	c/c 245, 85 deg, since No. 94263 (12/1999)
8	6	90303-14307	Hex Screw	
9	6	90550-14227	Nut	M14 self locking
10	1	179-842-0000	Breather Cover	
11	1	179-841-1000	Breather pipe	
12	1	90621-32253	Split pin	
15	1	579-616-0000	Breather pipe	
15	1	591937-04027	Support ring	
16	1	591952-10604	Fitting	
16	1	591953-21612	Binding screw	

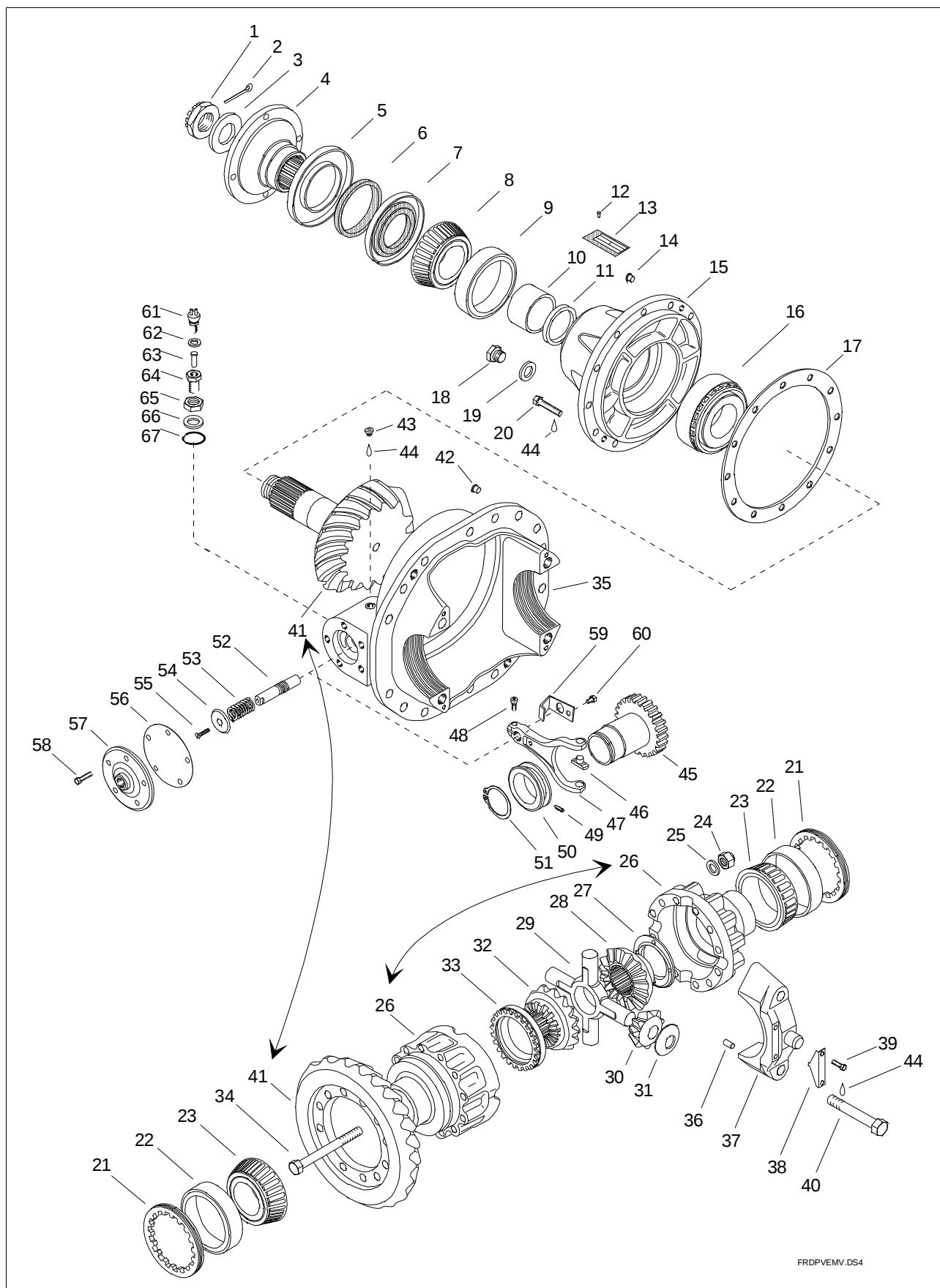


BTEHNAP2.DS4

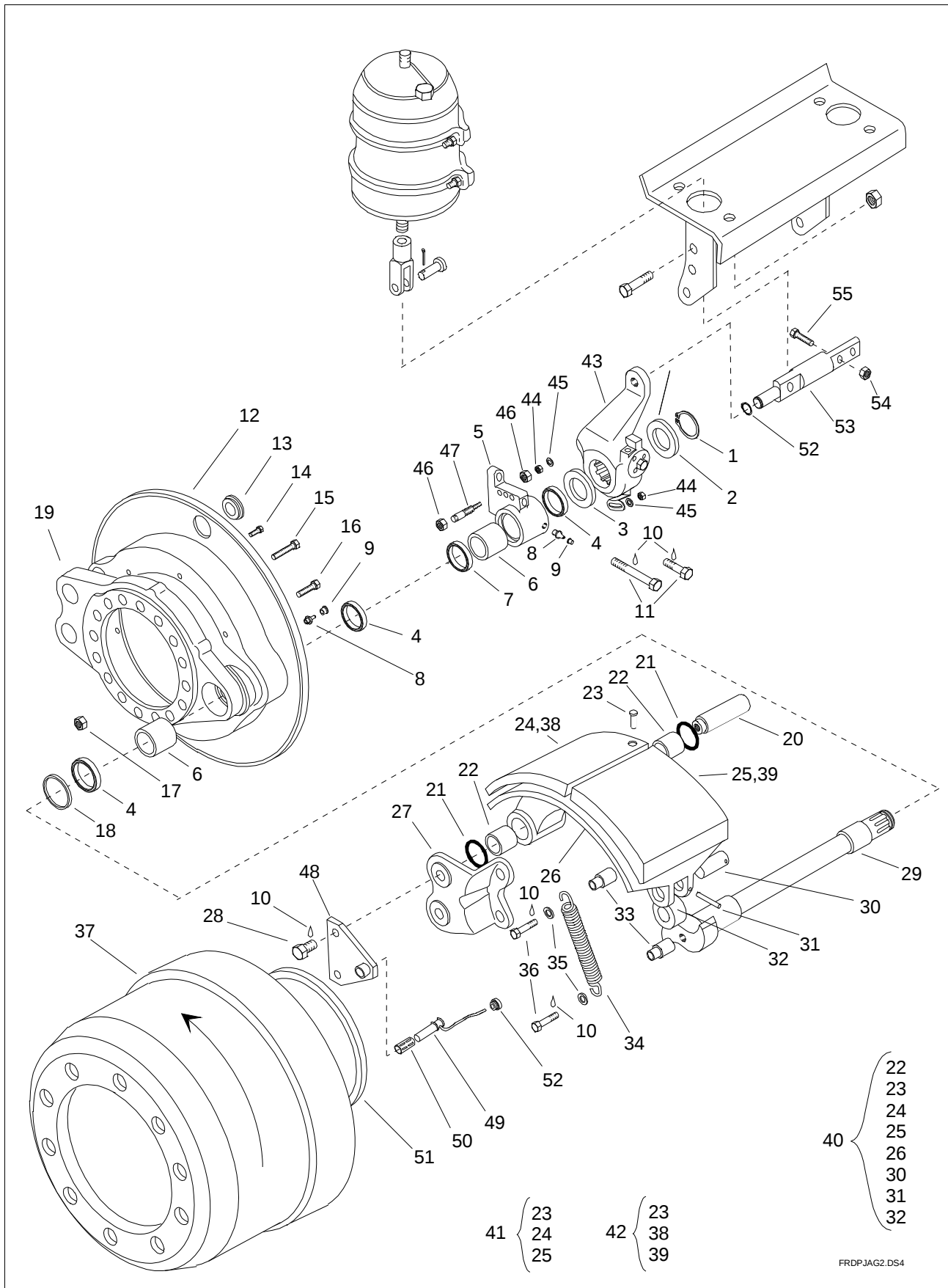
Item	Qty.	Order no.	Description	Note
1	2	543-511-8000	Axle Shaft	FRDP
1	1	543-511-8010	Axle Shaft	FRMP, RH
1	1	543-511-8100	Axle Shaft	FRMP, LH
2	2	140-125-0100	Thrust pin	
3	2	91122-12701	Shaft seal	
4	2	090-111-0000	Bearing inner race	
5	2	090-121-5700	Bearing outer race	
6	2	543-411-3510	Wheel hub	
7	2	91744-01201	T. Roller bearing	
8	2	91109-50040	O-ring	
9	20	140-911-2700	Wheel bolt	Up to ser.no. 80236 (2/98)
9	20	540-911-3500	Wheel bolt	Since serial No. 80237 (2/98)
10	20	540-916-1610	Wheel nut	
11	8	90303-10303	Hex Screw	
12	2	91720-22001	Retainer ring	
13	2	535-271-0611	Ring gear hub	Since serial No. 72044 (11/97)
14	2	143-418-0510	Lock plate	Since serial No. 72044 (11/97)
15	2	599-290-8004	Lock Nut	Since serial No. 72044 (11/97)
16	2	590319-08186	Allen Screw	M8x18, Since serial No. 72044 (11/97)
17	2	590319-08126	Allen Screw	M8x12, Since serial No. 72044 (11/97)
18	2	090-721-8500	Protective cup	
19	2	535-261-2110	Ring gear	
20	2	535-211-1300	Sun gear	
21	2	91711-05200	Retainer ring	
22	10	590169-01670	Special screw	
23	2	535-231-1300	Planet carrier	
24	20	590-353-1100	Spacer plate	
25	480	91385-50240	Needle roller	
26	10	590-354-3100	Spacer ring	
27	10	535-241-1310	Planet gear	
28	10	535-251-1400	Planet gear shaft	
29	2	540-125-0310	Thrust pin	
30	2	541-471-0301	Hub Housing	
31	2	91201-22150	Seal ring	
32	2	90871-22193	Plug screw	
33	2	541-404-0151	Planetary gear	



Item	Qty.	Order no.	Description	Note
1	1	90546-42653	Nut	
2	1	90621-63633	Split pin	
3	1	90705-43069	washer	
4	1	138-918-0400	Flange	HS1700-1800
4	1	138-918-0401	Flange	ISO 8667 - T180
5	1	090-711-9000	Shield	
6	1	090-400-9500	V-ring	
7	1	91122-08504	Shaft seal	
8	1	090-110-6740	Bearing inner race	
9	1	090-121-3700	Bearing outer race	
10	ar	099-557-1026	Spacer ring	(l=53.70)
10	ar	099-557-1028	Spacer ring	(l=53.74)
10	ar	099-557-1030	Spacer ring	(l=53.78)
11	ar	099-517-1000	Shim	(s=0.30)
11	ar	099-517-1001	Shim	(s=0.40)
11	ar	099-517-1002	Shim	(s=0.50)
12	4	90111-29054	Rivet	
13	1	91600-20811	Name plate	
14	2	91425-09100	Shield plug	
15	1	144-231-0502	Bearing housing	
16	1	090-050-7001	T. Roller bearing	
17	ar	144-239-1400	Shim	(s= 0.50 mm)
17	ar	144-239-1401	Shim	(s= 0.20 mm)
17	ar	144-239-1403	Shim	(s= 0.10 mm)
17	ar	144-239-1404	Shim	(s= 1.00 mm)
18	1	90873-22103	Plug	
19	1	91201-22152	Seal ring	
20	14	90303-12308	Hex Screw	
21	2	143-226-0012	Adjusting nut	
22	2	090-121-4700	Bearing outer race	
23	2	090-110-9000	Bearing inner race	
24	12	90556-16247	Nut	
25	12	099-601-8110	washer	
26	1	143-310-2711	Diff. case assy	
27	1	090-357-5000	Thrust washer	
28	1	143-351-3910	Side gear	
29	1	143-331-0603	Spider	
30	4	143-341-0700	Pinion gear	
31	4	143-345-0400	Thrust washer	
32	1	143-351-3900	Side gear	
33	1	143-357-0000	Sliding Ring	
34	12	099-116-3230	Hex Screw	M16x1.5, L=193, 12.9
34	12	599-116-3240	Hex Screw	L=186, Only with item 543-240-1849
35	1	143-210-1511	Differential Carrier	
36	4	590604-08141	Pin	Ø8x14
37		143-214-2180	Bearing Case Half	Not Servised Separately
38	2	143-227-0610	Lock plate	
39	4	90303-08163	Screw	
40	4	90301-20377	Hex Screw	
41	1	143-240-1811	Ring and pinion gear set	21/27, FR 4.68, LH
41	1	143-240-1821	Ring and pinion gear set	17/26, FR 5.56, LH
41	1	143-240-1829	Ring and pinion gear set	16/28, FR 6.36, LH
41	1	143-240-1831	Ring and pinion gear set	24/27 FR 4.09, LH
41	1	143-240-1839	Ring and pinion gear set	22/26, FR 4.30, LH
41	1	143-240-1881	Ring and pinion gear set	10/29, FR 10.54, LH
41	1	543-240-1849	Ring and pinion gear set	27/28, FR 3.77
41	1	543-240-1859	Ring and pinion gear set	18/26, FR 5.25, LH
41	1	543-240-7111	Ring and pinion gear set	25/32, FR 4.65
41	1	543-240-7139	Ring and pinion gear set	28/33, FR 4.29, LH
42	2	91425-13120	Shield plug	



Item	Qty.	Order no.	Description	Note
43	1	90873-10053	Plug screw	M10x1, Allen head
44		95752-10010	Thread locking compound	
45	1	144-341-0900	Sliding Gear	
46	2	133-348-0710	Sliding shoe	
47	1	144-751-1210	Control fork	without indicator switch
47	1	544-751-1410	Control fork	with indicator switch
48	1	90313-06208	Allen Screw	M6x20
49	1	90335-05108	Stopping screw	M5x10
50	1	144-348-0000	Sliding ring	
51	1	91711-06500	Retainer ring	D65
52	1	172-212-1710	Sliding Shaft	D16/20x125
53	1	097-122-0100	Return spring	D29.5x43
54	1	172-361-0410	Push plate	D70x12
55	1	90319-08206	Screw	M8x20
56	1	172-351-1202	Membrane	
56	1	572-351-1204	Membrane	Viton (optinal)
57	1	144-736-0300	Cover	Without diff. lock
57	1	172-161-0700	Membrane cover	M18x1.5, up to S/N 60200 (2/1996)
57	1	172-161-0701	Membrane cover	M16x1.5, since S/N 60201 (2/1996)
57	1	572-161-1501	Membrane cover	M16x1.5, side connection, since S/N 60201 (2/1996)
58	5	90303-08203	Hex Screw	M8x20
59	1	541-812-0200	Guide plate	with indicator switch
60	1	90303-08123	Hex Screw	M8x12, with indicator switch
61	1	186-490-0281	Signal Lamp Switch	M12x1.5
62	1	91201-12150	Seal ring	D12/18x1.5
63	1	141-812-0100	Control pin	D8/10x26
64	1	141-812-0000	Binding screw	M12x1.5/M18x1.5
65	1	91842-18243	Lock Nut	M18x1.5
66	1	91838-18010	Pressure ring	Ms DR/R 18x23
67	1	91838-18100	O-ring	Ø16x2.5



Item	Qty.	Order no.	Description	Note
1	2	91712-04000	Retainer ring	
2	2	91726-43065	Support ring	
3	2	91726-43065	Support ring	
4	6	91122-04201	Shaft seal	
5	1	146-224-2310	Bearing housing	LH
5	1	146-224-2400	Bearing housing	RH
6	4	590-314-2062	Sleeve	Supercedes 090-314-2060
7	2	91122-04202	Shaft seal	
8	4	91402-10003	Grease nipple	
9	4	91421-06060	Shield hat	
10		95752-10010	Thread locking compound	
11	2	90301-16117	Hex Screw	M16x100
11	2	90303-16407	Hex Screw	M16x40
12	2	146-131-2210	Dust Shield	210 mm
13	4	095-553-2000	Shield plug	
14	14	90303-08123	Hex Screw	
15	24	90169-01401	Hex Screw	
16	4	90301-14558	Hex Screw	
17	28	90550-14227	Nut	M14 self locking
18	2	91726-43065	Support ring	
19	2	146-111-2610	Brake Bracket	
20	4	146-341-1200	Anchor bolt	With grease nipple
20	4	146-341-1210	Anchor bolt	W/o grease nipple
21	8	91106-36212	O-ring	
22	8	590-313-2091	Sleeve	Supercedes 090-313-2090
23	96	91501-00819	Rivet	
26	4	146-351-4100	Brake shoe	210 mm, with o-rings
27	2	146-331-0400	Anchor support	
28	4	90303-10203	Hex Screw	M10x20
28	4	90303-10303	Hex Screw	ABS
29	1	146-213-0400	S-cam shaft	
29	1	146-213-0500	S-cam shaft	
30	4	146-373-0201	Pin	
31	4	90602-05450	Spring cotter	
32	4	146-371-0700	Roller	
33	6	599-601-8900	Bush	
34	4	92052-30002	Return spring	
35	6	90705-13023	washer	
36	6	90303-12603	Hex Screw	
37	2	146-311-7200	Brake drum	
40	4	546-306-0176	Brake shoe assy	
41		146-360-1116	Brake lining set	210 mm, For one wheel
42		146-360-1126	Br. lining set(over size)	210mm, for one wheel
43	1	546-530-2011	Slack adjuster	LH, 165 mm
43	1	546-530-2021	Slack adjuster	RH, 165 mm
44	4	90502-08133	Nut	
45	4	90705-08423	washer	
46	4	90502-12193	Nut	
47	2	90177-01203	Stud bolt	
48	2	189-931-0900	Bracket	ABS
49	2	189-250-0071	Sensor	ABS
50	2	189-295-0000	Bush	ABS
51	2	189-291-0000	Ring gear	ABS
52	2	591711-01300	Retainer ring	Up to No. 10286 (1/2001)
53	2	546-611-0610	Balance lever	Up to No. 10286 (1/2001)
53	1	546-611-0700	Balance lever	Since No. 10287 (1/2001)
53	2	591001-14803	Pin	Since No. 10287 (1/2001), DIN 1444, B14h11x80
53	2	599-601-9100	Spacer ring	Since No. 10287 (1/2001), Ø20/16x14
53	2	90621-32253	Split pin	Since No. 10287 (1/2001)
54	2	90502-12193	Nut	Up to No. 10286 (1/2001)
55	2	90303-12470	Hex Screw	Up to No. 10286 (1/2001)