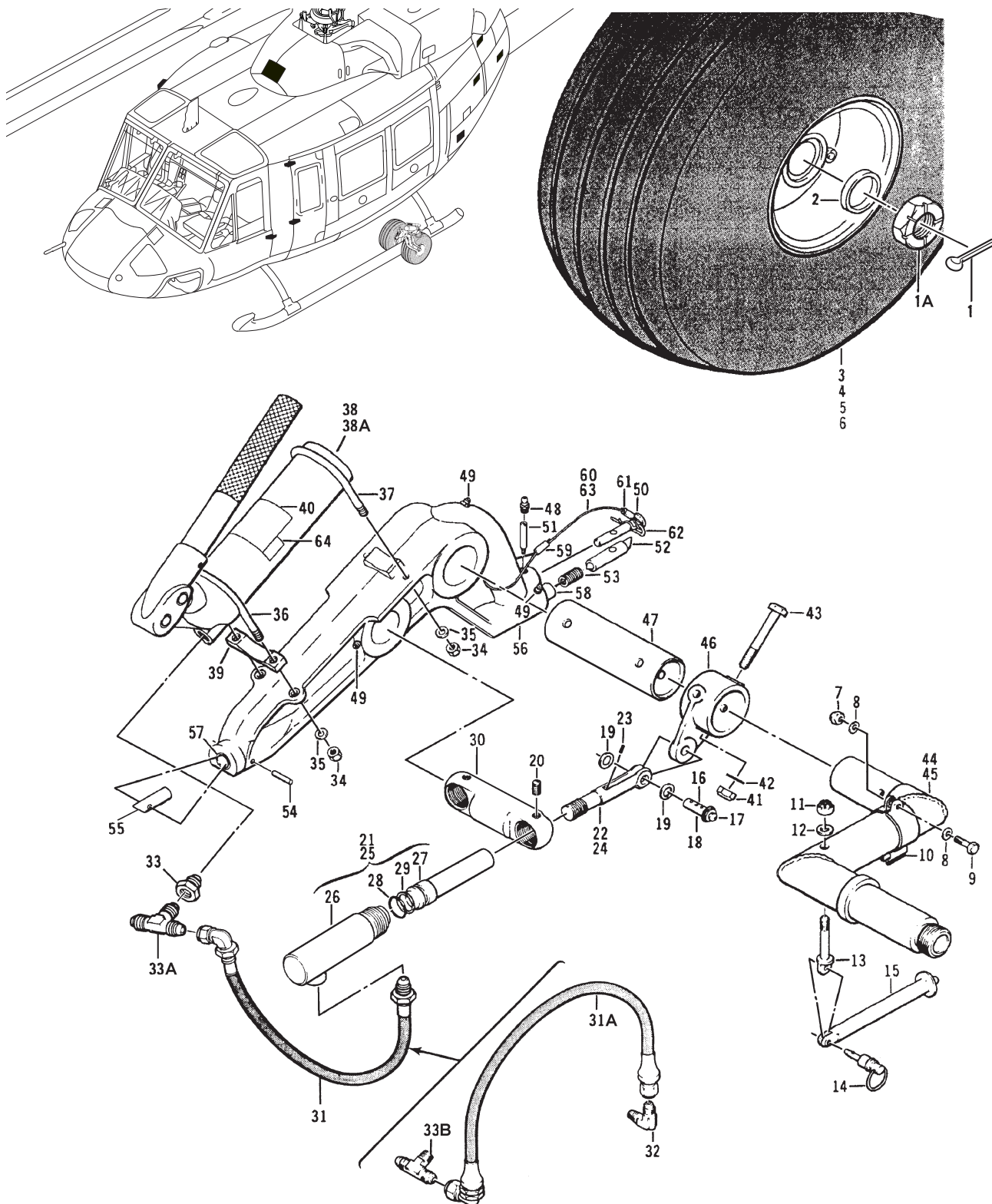


CHAPTER 9 — TOWING

CONTENTS — ILLUSTRATED PARTS BREAKDOWN

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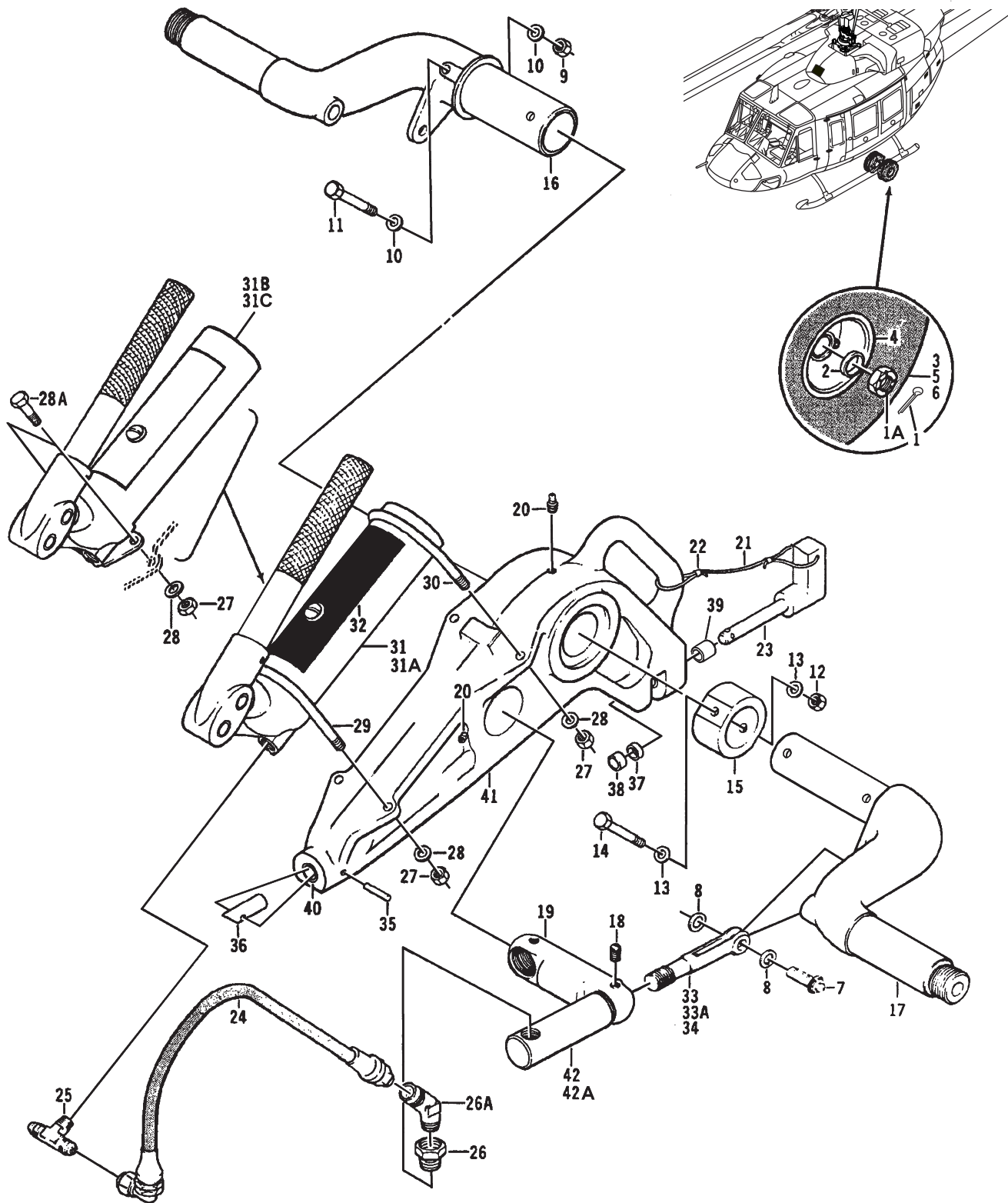
Figure 9-1. Wheel Assembly, Ground Handling (204-050-200)

(1) INDEX NUMBER	(2) PART NUMBER	(3) ITEM NAME	(4) UNIT PER ASSY	(5) A V A I L	(6) U O C
		Figure 9-1. Wheel Assembly, Ground Handling (204-050-200)			
	204-050-200-005	GEAR ASSY, GROUND HANDLING (NOTE 1) (S/N 30501 THRU 30553) (REPLACED BY 204-050-200-015) . . .	2	NP	
	204-050-200-015	GEAR ASSY, GROUND HANDLING (NOTE 1) (S/N 30554 THRU 30795) (REPLACES 204-050-200-005) (REPLACED BY 212-050-200-005)	2	NP	
	212-050-200-005	GEAR ASSY, GROUND HANDLING (NOTE 2, 3) (S/N 30796 THRU 31288) (SEE FIG. 9-2 FOR BREAKDOWN) (REPLACES 204-050-200-015) (REPLACED BY 212-050-200-105) (ALTERNATE PART)	2	NP	
	212-050-200-101	GEAR ASSY, GROUND HANDLING (NOTE 2, 3) (SEE FIG. 9-2 FOR BREAKDOWN)	2	NP	
	212-050-200-105	GEAR ASSY, GROUND HANDLING (NOTE 2, 3) (S/N 31289 THRU 31311, 35001 THRU 35103) (SEE FIG. 9-2 FOR BREAKDOWN) (REPLACES 212-050-200-005) (REPLACED BY BDW-245B-1801) (ALTERNATE PART)	2	NP	
	212-050-200-107	GEAR ASSY, GROUND HANDLING (NOTE 2, 3) (SEE FIG. 9-2 FOR BREAKDOWN) (ALTERNATE PARTS)	2	P	
	214-706-104-001	WHEEL ASSY, GROUND HANDLING (NOTE 2, 3) (SEE FIG. 9-3 FOR BREAKDOWN)	REF	NP	
	214-706-104-015	WHEEL ASSY, GROUND HANDLING (NOTE 2, 3) (SEE FIG. 9-3 FOR BREAKDOWN)	REF	NP	
	214-706-104-107	WHEEL ASSY, GROUND HANDLING (NOTE 2, 3) (SEE FIG. 9-3 FOR BREAKDOWN) (ALTERNATE PART)	REF	NP	
	214-706-104-105	WHEEL ASSY, GROUND HANDLING (NOTE 2, 3) (SEE FIG. 9-3 FOR BREAKDOWN) (REPLACED BY BDW-245B-1801)	REF	NP	
	BDW-245B-1801	GROUND HANDLING WHEEL ASSY (NOTE 4) (S/N 35104 THRU SUB) (SEE FIG. 9-4 FOR BREAKDOWN) (REPLACES 212-050-200-107, 214-706-104-107)	2	SP	
1	MS24665-446	. PIN, COTTER	2	SP	
1A	AN320-20	. NUT	2	SP	
2	204-050-165-001	. RETAINER	2	SP	
3	204-050-200-011	. GEAR ASSY (USBL ON 204-050-200-005)	2	P	
3	204-050-200-017	. WHEEL ASSY (USBL ON 204-050-200-015)	2	NP	
4	9532186	. . WHEEL (REPLACED BY 9531924)	1	NP	
4	9531924	. . WHEEL (REPLACES 9532186) (ALTERNATE PARTS)	1	NP	
4	D30665	. . WHEEL ASSY	1	P	
4	A1180	. . WHEEL (REPLACED BY 9531924)	1	NP	
4	9531924	. . WHEEL (REPLACES A1180)	1	NP	
5	7.00X6	. . TUBE (USBL ON 204-050-200-011)	1	NP	
5	6.00-6	. . TUBE (USBL ON 204-050-200-017) (REPLACED BY 6.00 X 6 (TY 3 CL 1))	1	NP	
5	6.00 X 6 (TY 3 CL 1)	. . TUBE (USBL ON 204-050-200-017) (REPLACES 6.00-6)	1	P	
6	7.00X6 6 PLY	. . TIRE (USBL ON 204-050-200-011)	1	NP	
6	6.00 X 6-8 PLY TYP 3	. . TIRE (USBL ON 204-050-200-017)	1	NP	
	204-050-230-001	. SUPPORT ASSY	1	NP	
7	NAS679A3	. . NUT, SELF-LOCKING (REPLACED BY MS21042L3)	2	NP	
7	MS21042L3	. . NUT, SELF-LOCKING (REPLACES NAS679A3)	2	SP	
8	AN960-10	. . WASHER (REPLACED BY NAS1149F0363P)	4	P	
8	NAS1149F0363P	. . WASHER (REPLACES AN960-10)	4	SP	
9	AN3-6A	. . BOLT	2	SP	

(1)	(2)	(3)	(4)	(5)	(6)
INDEX NUMBER	PART NUMBER	ITEM NAME	UNIT PER ASSY	A V A I L	U O C
		Figure 9-1. Wheel Assembly, Ground Handling (204-050-200) (Cont'd)			
10	204-050-228-001	.. CLAMP ASSY	2	P	
11	AN310C4	.. NUT	2	SP	
12	AN960C416	.. WASHER, FLAT (REPLACED BY NAS1149C0463R)	2	P	
12	NAS1149C0463R	.. WASHER, FLAT (REPLACES AN960C416)	2	SP	
13	AN43BC20	.. EYEBOLT (REPLACED BY AN43B-C20)	2	P	
13	AN43B-C20	.. EYEBOLT (REPLACES AN43BC20)	2	P	
14	BLC3R05N	.. PIN (REPLACED BY NAS1353DC7C05D)	2	NP	
14	NAS1353DC7C05D	.. PIN (REPLACES BLC3R05N)	2	SP	
15	204-050-231-001	.. SUPPORT ROD	1	NP	
15	204-050-231-003	.. SUPPORT ROD	1	P	
16	204-050-200-013	.. PIN ASSY	2	SP	
17	MS15001-4	.. FITTING	1	SP	
18	204-050-162-001	.. PIN	1	SP	
19	AN960-616L	.. WASHER (REPLACED BY NAS1149F0632P)	2	P	
19	NAS1149F0632P	.. WASHER (REPLACES AN960-616L)	2	SP	
20	AN565D624H6	.. SETSCREW	2	SP	
21	204-050-155-005	.. RAM ASSY	2	SP	
22	204-050-170-001	.. CLEVIS ASSY	1	SP	
23	AN565E1032H12	.. SETSCREW	1	SP	
		(ALTERNATE PART)			
23	AN565D1032H12	.. SETSCREW	1	SP	
24	204-050-170-003	.. CLEVIS (REPLACED BY 204-050-170-001)	1	P	
24	204-050-170-001	.. CLEVIS ASSY (REPLACES 204-050-170-003)	1	SP	
25	BU954	.. RAM ASSY (REPLACED BY BU0954B)	1	NP	
25	BU0954B	.. RAM ASSY (REPLACES BU954)	1	SP	
		(ALTERNATE PART)			
25	CB1003-38-02	.. RAM ASSY	1	NP	
26	330575	.. CYLINDER	1	SP	
27	330617	.. PISTON	1	SP	
28	330618	.. SEAL	1	SP	
29	330656	.. RING	1	SP	
30	204-050-161-001	.. TRUNNION	1	SP	
31	124545-4-0082	.. HOSE ASSY (NOTE 5) (REPLACED BY 129241, AE1004696E0120)	2	NP	
31A	129241	.. HOSE ASSY (NOTE 5) (REPLACES 124545-4-0082)	2	SP	
31A	AE1004696E0120	.. HOSE ASSY (NOTE 5)	2	NP	
32	MS20822-4-4	.. ELBOW (NOTE 5) (USBL ON 129241, AE1004696E0120) (REPLACED BY MS20822-4-4J)	2	NP	
32	MS20822-4-4J	.. ELBOW (NOTE 5) (USBL ON 129241, AE1004696E0120) (REPLACES MS20822-4-4)	2	NP	
33	AN912-1	.. BUSHING (NOTE 5) (USBL ON 124545-4-0082)	1	SP	
33A	MS20825-4	.. TEE (NOTE 5) (USBL ON 124545-4-0082)	1	P	
33B	MS20825-6	.. TEE (USBL ON 129241, AE1004696E0120) (REPLACED BY MS20825-6J)	1	NP	
33B	MS20825-6J	.. TEE (USBL ON 129241, AE1004696E0120) (REPLACES MS20825-6)	1	NP	
34	NAS679A4	.. NUT (REPLACED BY MS21042L4)	4	P	
34	MS21042L4	.. NUT (REPLACES NAS679A4)	4	SP	
35	AN960-416L	.. WASHER (REPLACED BY NAS1149F0432P)	4	P	
35	NAS1149F0432P	.. WASHER (REPLACES AN960-416L)	4	SP	
36	330570	.. U-BOLT (USE WITH BU953B AND BU0953B PUMP)	1	SP	
36	SP8086-1	.. CLAMP (USE WITH HP9902-41-10 PUMP)	1	P	
37	330571	.. U-BOLT (USE WITH BU953B AND BU0953B PUMP)	1	SP	
37	SP8086-2	.. CLAMP (USE WITH HP9902-41-10 PUMP)	1	P	
38	BU953	.. PUMP ASSY (NOTE 6) (REPLACED BY BU0953B)	1	NP	
38	BU0953B	.. PUMP ASSY (NOTE 6) (REPLACES BU953)	1	SP	
		(ALTERNATE PART)			
38	HP9902-41-10	.. PUMP ASSY	1	NP	
38A	RBU0953	.. REPAIR KIT (USBL ON BU0953B) (REPLACED BY RBU0953B) ..	REF	P	

(1)	(2)	(3)	(4)	(5)	(6)
INDEX NUMBER	PART NUMBER	ITEM NAME	UNIT PER ASSY	A V A I L	U O C
		Figure 9-1. Wheel Assembly, Ground Handling (204-050-200) (Cont'd)			
38A	RBU0953B	. . REPAIR KIT (USBL ON BU0953B) (REPLACES RBU0953)	REF	SP	
38A	KH9000	. . REPAIR KIT (USBL ON HP9902-41-10)	REF	SP	
39	AL-S-55	. SPACER (USE WITH 330570 U-BOLT) (ALTERNATE PART)	1	NP	
39	204-050-200-101	. SPACER	1	P	
40	204-050-226-009	. DECAL (SERVICING-HYDRAULIC FLUID AND TIRE PRESSURE) (REPLACED BY 204-050-226-013)	1	NP	
40	204-050-226-013	. DECAL (SERVICING-HYDRAULIC FLUID AND TIRE PRESSURE) (REPLACES 204-050-226-009)	1	SP	
41	NAS679A6	. NUT (REPLACED BY MS21042L6)	4	NP	
41	MS21042L6	. NUT (REPLACES NAS679A6)	4	SP	
42	AN960-616L	. WASHER (REPLACED BY NAS1149F0632P)	4	P	
42	NAS1149F0632P	. WASHER (REPLACES AN960-616L)	4	SP	
43	204-050-167-001	. BOLT	4	SP	
44	205-050-158-011	. AXLE, LH	1	SP	
45	205-050-158-012	. AXLE, RH	1	P	
46	204-050-160-001	. ARM	2	SP	
47	204-050-159-001	. BUSHING	1	P	
48	MS15001-2	. FITTING	1	SP	
49	MS15002-1	. FITTING	3	NP	
50	204-050-163-001	. PIN (USBL ON 204-050-200-005)	1	NP	
50	204-050-163-003	. PIN RELEASE (USBL ON 204-050-200-015)	1	SP	
51	204-050-154-001	. PIN	1	SP	
52	204-050-164-001	. PIN	1	SP	
53	204-050-133-001	. SPRING	1	SP	
54	MS9048-142	. PIN (REPLACED BY NAS561P5-22)	1	NP	
54	NAS561P5-22	. PIN (REPLACES MS9048-142)	1	SP	
55	204-050-134-003	. PIN (REPLACED BY 212-050-219-101)	1	NP	
55	212-050-219-101	. PIN (REPLACES 204-050-134-003)	1	SP	
56	204-050-157-007	. CRADLE ASSY (17.96 INCHES)	1	SP	
57	204-050-157-005	. . BUSHING (REPLACED BY 21-010B15.5-51)	1	NP	
57	21-010B15.5-51	. . BUSHING (REPLACES 204-050-157-005)	1	P	
58	204-050-166-003	. . BUSHING	1	SP	
59	18-1-C	. SLEEVE (USBL ON 204-050-200-015) (REPLACED BY MS51844-22)	1	NP	
59	MS51844-22	. SLEEVE (USBL ON 204-050-200-015) (REPLACES 18-1-C)	1	SP	
60	204-050-200-019	. LANYARD ASSY (USBL ON 204-050-200-015)	1	SP	
61	18-1-C	. . SLEEVE (REPLACED BY MS51844-22)	1	NP	
61	MS51844-22	. . SLEEVE (REPLACES 18-1-C)	1	SP	
62	AN415-2	. . PIN	1	SP	
63	204-050-200-021	. . LANYARD (REPLACED BY 204-050-200-019)	1	NP	
63	204-050-200-019	. . LANYARD ASSY (REPLACES 204-050-200-021)	1	SP	
64	204-050-226-011	. DECAL (TIRE PRESSURE) (USBL ON 204-050-200-015)	1	P	
		NOTE 1: GROUND HANDLING WHEEL ASSEMBLY TO BE USED WITH SKID TUBE EYEBOLT ATTACHMENT MEASUREMENT OF APPROXIMATELY 17.96 INCHES (45.6 CM).			
		NOTE 2: GROUND HANDLING WHEEL ASSEMBLY TO BE USED WITH SKID TUBE EYEBOLT ATTACHMENT MEASUREMENT OF APPROXIMATELY 16.41 INCHES (41.7 CM).			

(1) INDEX NUMBER	(2) PART NUMBER	(3) ITEM NAME	(4) UNIT PER ASSY	(5) A V A I L	(6) U O C
		<p>Figure 9-1. Wheel Assembly, Ground Handling (204-050-200) (Cont'd)</p> <p>NOTE 3: GROUND HANDLING GEAR 214-706-104-001/-015/-105/-107 MAY BE USED AS AN ALTERNATE TO 212-050-200 SERIES GEAR FOR HIGH GROSS WEIGHT TOWING. HOWEVER, BECAUSE OF ITS LARGER TIRE SIZE, THIS GEAR IS NOT COMPATIBLE WITH 212 HELICOPTERS THAT HAVE EMERGENCY FLOAT BAGS INSTALLED.</p> <p>NOTE 4: GROUND HANDLING WHEEL ASSEMBLY BDW-245B-1801 HAS A UNIVERSAL END BLOCK THAT ACCEPTS BOTH MEASUREMENTS FOR THE SKID TUBE EYEBOLT ATTACHMENTS.</p> <p>NOTE 5: FOR SPARES REPLACEMENT OF HOSE ASSEMBLY 124545-4-0082, USE AS A UNIT TWO HOSE ASSEMBLIES 129241 OR TWO HOSE ASSEMBLIES AE1004696E0120 WITH ONE TEE MS20825-6 AND TWO ELBOWS MS20822-4-4.</p> <p>NOTE 6: ATTACHING U-BOLTS ARE FURNISHED WITH PUMP BU0953B.</p> <p>AVAIL CODE DEFINITION</p> <p>P Procurable</p> <p>NP Non Procurable</p> <p>SP Normal Stock/Procurement</p> <p>Please see Chapter 1 for additional information on availability codes as well as general use of the Illustrated Parts Breakdown Manual.</p>			



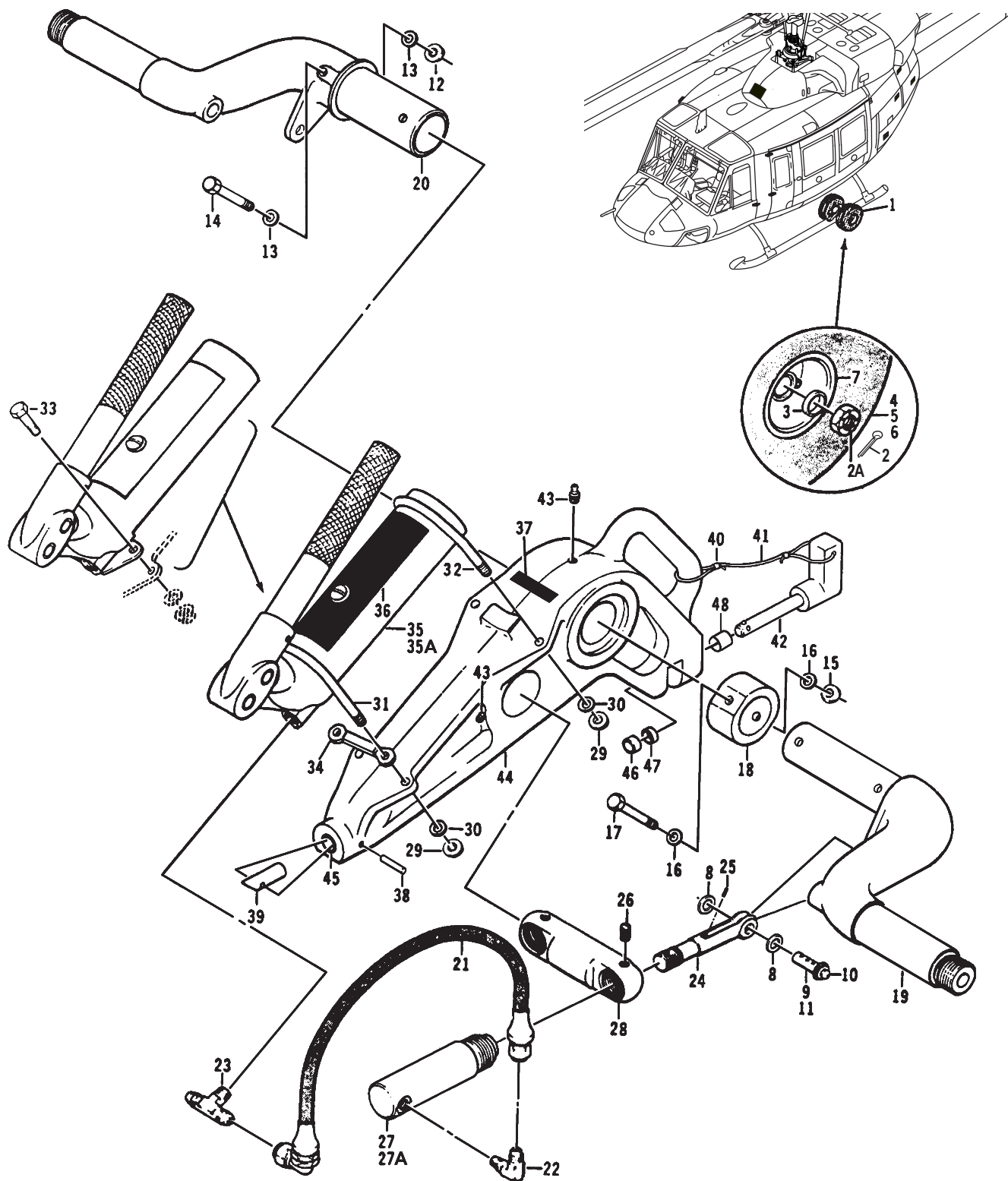
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Figure 9-2. Wheel Assembly, Ground Handling (212-050-200)

(1) INDEX NUMBER	(2) PART NUMBER	(3) ITEM NAME	(4) UNIT PER ASSY	(5) A V A I L	(6) U O C
		Figure 9-2. Wheel Assembly, Ground Handling (212-050-200)			
	212-050-200-005	GEAR ASSY, GROUND HANDLING (NOTE 1, 2) (S/N 30796 THRU 31288) (REPLACED BY 212-050-200-105) . . . (ALTERNATE PART)	2	NP	
	212-050-200-101	GEAR ASSY, GROUND HANDLING (NOTE 1, 2)	2	NP	
	212-050-200-105	GEAR ASSY, GROUND HANDLING (NOTE 1, 2) (S/N 31289 THRU 31311, 32101 THRU 32124, 35001 THRU 35103) (REPLACES 212-050-200-005) (REPLACED BY BDW-245B-1801) (ALTERNATE PART)	2	NP	
	212-050-200-107	GEAR ASSY, GROUND HANDLING (NOTE 1, 2)	2	P	
	214-706-104-001	WHEEL ASSY, GROUND HANDLING (NOTE 1, 2) (SEE FIG. 9-3 FOR BREAKDOWN)	REF	NP	
	214-706-104-015	WHEEL ASSY, GROUND HANDLING (NOTE 1, 2) (SEE FIG. 9-3 FOR BREAKDOWN)	REF	NP	
	214-706-104-107	WHEEL ASSY, GROUND HANDLING (NOTE 1, 2) (SEE FIG. 9-3 FOR BREAKDOWN)	REF	NP	
	214-706-104-105	WHEEL ASSY, GROUND HANDLING (NOTE 1, 2) (SEE FIG. 9-3 FOR BREAKDOWN) (REPLACED BY BDW-245B-1801)	REF	NP	
	BDW-245B-1801	GROUND HANDLING WHEEL ASSY (NOTE 3) (S/N 35104 THRU SUB) (SEE FIG. 9-4 FOR BREAKDOWN)	2	SP	
	212-050-202-007	. WHEEL INSTL (NOTE 4) (ALTERNATE PARTS)	2	NP	
	212-050-202-001	. WHEEL INSTL (NOTE 4)	2	NP	
1	MS24665-441	. PIN, COTTER	1	SP	
1A	MS21025-16	. . NUT	1	SP	
2	212-050-028-001	. . COLLAR (POST TB 212-82-58) (ALTERNATE PART)	1	SP	
2	A-25-84	. . COLLAR	1	NP	
3	212-050-202-003	. . WHEEL AND TIRE ASSY (USBL ON 212-050-202-001)	1	P	
3	212-050-202-005	. . WHEEL AND TIRE ASSY (USBL ON 212-050-202-007)	1	NP	
3	212-050-202-011	. . WHEEL AND TIRE ASSY (TUBELESS) (USBL ON 212-050-202-009)	1	P	
4	3-979	. . . WHEEL ASSY (USBL ON 212-050-202-003)	1	P	
4	A1280-1	. . . WHEEL ASSY (USBL ON 212-050-202-005) (ALTERNATE PARTS)	1	NP	
4	ALS189-0	. . . WHEEL ASSY (USBL ON 212-050-202-005)	1	NP	
4	ALS-189-0	. . . WHEEL ASSY (USBL ON 212-050-202-005)	1	NP	
4	040-15500	. . . WHEEL ASSY (USBL ON 212-050-202-005)	1	NP	
4	40-112	. . . WHEEL ASSY (USBL ON 212-050-202-005)	1	SP	
4	A2190	. . . WHEEL ASSY (TUBELESS) (USBL ON 212-050-202-011)	1	NP	
5	12.5X4.5 10PLY TY7	. . . TIRE (NOTE 5) (USBL ON 212-050-202-003 AND -005)	1	NP	
5	12.5X4.5-10PRTL TY7	. . . TIRE (TUBELESS) (USBL ON 212-050-202-011)	1	NP	
6	12.5 X 4.5	. . . TUBE (USBL ON 212-050-202-003 AND -005)	1	NP	
7	204-050-200-013	. PIN ASSY	2	SP	
8	AN960-616	. WASHER (REPLACED BY NAS1149F0632P)	4	SP	
8	NAS1149F0632P	. WASHER (REPLACES AN960-616L)	4	SP	
9	MS21042L	. NUT	1	SP	
10	AN960-616	. WASHER (REPLACED BY NAS1149F0632P)	2	SP	
10	NAS1149F0632P	. WASHER (REPLACES AN960-616L)	2	SP	
11	MS21250-06030	. BOLT	1	SP	
12	MS21042L	. NUT	1	SP	
13	AN960-516	. WASHER (REPLACED BY NAS1149F0532P)	2	P	
13	NAS1149F0532P	. WASHER (REPLACES AN960-516L)	2	SP	
14	LWB22-5-34	. BOLT	1	NP	

(1)	(2)	(3)	(4)	(5)	(6)
INDEX NUMBER	PART NUMBER	ITEM NAME	UNIT PER ASSY	A V A I L	U O C
		Figure 9-2. Wheel Assembly, Ground Handling (212-050-200) (Cont'd)			
15	214-050-014-001	. RETAINER	1	SP	
16	212-050-206-001	. AXLE	1	SP	
17	212-050-206-003	. AXLE (NOTE 6) (REPLACED BY BDW-245B-1801)	1	SP	
17	BDW-245B-1801	. GROUND HANDLING WHEEL ASSY (REPLACES 212-050-206-003)	1	SP	
18	AN565D624H6	. SETSCREW	2	SP	
19	214-050-012-001	. TRUNNION	1	SP	
20	MS15002-1	. FITTING	2	NP	
21	212-050-200-007	. LANYARD	1	SP	
22	18-1-C	. SLEEVE (REPLACED BY MS51844-22)	2	NP	
22	MS51844-22	. SLEEVE (REPLACES 18-1-C)	2	SP	
23	NAS1338C5C24D	. PIN (REPLACED BY NAS1338C3C24D)	1	SP	
23	NAS1338C3C24D	. PIN (REPLACES NAS1338C5C24D)	1	SP	
24	129241	. HOSE ASSY (USBL ON 212-050-200-005 AND -105)	2	SP	
24	AE2463302E0120	. HOSE ASSY (USBL ON 212-050-200-101 AND -107)	2	P	
		(ALTERNATE PART)			
24	129241	. HOSE ASSY	REF	SP	
25	MS20825-6	. TEE (REPLACED BY MS20825-6J)	1	NP	
25	MS20825-6J	. TEE (REPLACES MS20825-6)	1	NP	
26	AN912-1	. BUSHING	2	SP	
26A	MS20823-4	. ELBOW (REPLACED BY MS20823-4J)	2	NP	
26A	MS20823-4J	. ELBOW (REPLACES MS20823-4)	2	SP	
27	MS21042L	. NUT	4	SP	
28	AN960-416	. WASHER (REPLACED BY NAS1149F0432P)	4	NP	
28	NAS1149F0432P	. WASHER (REPLACES AN960-416L)	4	SP	
28A	AN4-12	. BOLT (USBL ON 212-050-200-101 AND -107)	2	SP	
29	330571	. U-BOLT (USBL ON 212-050-200-005 AND -105)	1	SP	
30	214-050-020-001	. U-BOLT	1	SP	
31	BU953	. PUMP (USBL ON 212-050-200-005 AND -105)	1	NP	
		(REPLACED BY BU0953B)			
31	BU0953B	. PUMP ASSY (USBL ON 212-050-200-005 AND -105)	1	SP	
		(REPLACES BU953B)			
31A	RBU0953	. . REPAIR KIT (USBL ON BU0953B) (REPLACED BY RBU0953B) .	REF	P	
31A	RBU0953B	. . REPAIR KIT (REPLACES RBU0953)	REF	SP	
31B	SD0-3032-006	. PUMP ASSY (USBL ON 212-050-200-101 AND -107)	1	P	
		(ALTERNATE PART)			
31B	61780	. PUMP ASSY (USBL ON 212-050-200-101 AND -107)	1	SP	
31C	82068	. . REPAIR KIT (USBL ON SD0-3032-006)	REF	NP	
31C	300590	. . REPAIR KIT (USBL ON 61780)	REF	P	
32	212-050-205-001	. DECAL (GROUND HANDLING GEAR SERVICE)	1	SP	
33	204-050-170-001	. CLEVIS ASSY	2	SP	
33A	204-050-170-003	. . CLEVIS	1	P	
34	AN565E1032H12	. . SETSCREW	1	SP	
		(ALTERNATE PART)			
34	AN565D1032H12	. . SETSCREW	1	SP	
35	MS9048-142	. PIN (REPLACED BY NAS561P5-22)	1	NP	
35	NAS561P5-22	. PIN (REPLACES MS9048-142)	1	SP	
36	214-050-013-001	. PIN (USBL ON 212-050-200-005 AND -101)	1	NP	
		(REPLACED BY 212-050-219-101)			
36	212-050-219-101	. PIN (USBL ON 212-050-200-105 AND -107)	1	SP	
		(REPLACES 214-050-013-001)			
	214-050-011-001	. CRADLE ASSY (16.41 INCHES)	1	SP	
37	214-050-011-005	. . BUSHING	1	SP	
38	214-050-011-007	. . BUSHING	1	SP	
39	214-050-011-009	. . BUSHING	1	SP	
40	214-050-011-011	. . BUSHING	1	NP	
41	214-050-011-003	. CRADLE	1	P	
42	214-050-104-001	. RAM ASSY (USBL ON 212-050-200-101 AND -107)	2	NP	

(1) INDEX NUMBER	(2) PART NUMBER	(3) ITEM NAME	(4) UNIT PER ASSY	(5) A V A I L	(6) U O C
42 42A 42A 42A	214-050-104-103 SKR214KIT SKR214-03 SKR212-04	<p>Figure 9-2. Wheel Assembly, Ground Handling (212-050-200) (Cont'd)</p> <p>. RAM ASSY (USBL ON 212-050-200-005 AND -105)</p> <p>. . REPAIR KIT (USBL ON 214-050-104-103)</p> <p>. . . PACKING</p> <p>. . . BACK-UP RING</p> <p>NOTE 1: GROUND HANDLING WHEEL ASSEMBLY TO BE USED WITH SKID TUBE EYEBOLT ATTACHMENT MEASUREMENT OF APPROXIMATELY 16.41 INCHES (41.7 CM).</p> <p>NOTE 2: GROUND HANDLING GEAR 214-706-104-001/-015/-105/-107 MAY BE USED AS AN ALTERNATE TO 212-050-200 SERIES GEAR FOR HIGH GROSS WEIGHT TOWING. HOWEVER, BECAUSE OF ITS LARGER TIRE SIZE, THIS GEAR IS NOT COMPATIBLE WITH 212 HELICOPTERS THAT HAVE EMERGENCY FLOAT BAGS INSTALLED.</p> <p>NOTE 3: GROUND HANDLING WHEEL ASSEMBLY BDW-245B-1801 HAS A UNIVERSAL END BLOCK THAT ACCEPTS BOTH MEASUREMENTS FOR THE SKID TUBE EYEBOLT ATTACHMENTS.</p> <p>NOTE 4: DO NOT MIX 212-050-202-001, 212-050-202-007, OR 212-050-202-009 ON SAME GEAR ASSEMBLY.</p> <p>NOTE 5: MAY USE TUBELESS TIRE BUT MUST BE ABLE TO USE WITH TUBE.</p> <p>NOTE 6: PART NUMBER IS NO LONGER AVAILABLE. CUSTOMERS SHOULD PURCHASE GEAR ASSEMBLY BDW-245B-1801.</p> <p>AVAIL CODE DEFINITION</p> <p>P Procurable</p> <p>NP Non Procurable</p> <p>SP Normal Stock/Procurable</p> <p>Please see Chapter 1 for additional information on availability codes as well as general use of the Illustrated Parts Breakdown Manual.</p>	2 REF 1 1	SP SP NP NP	



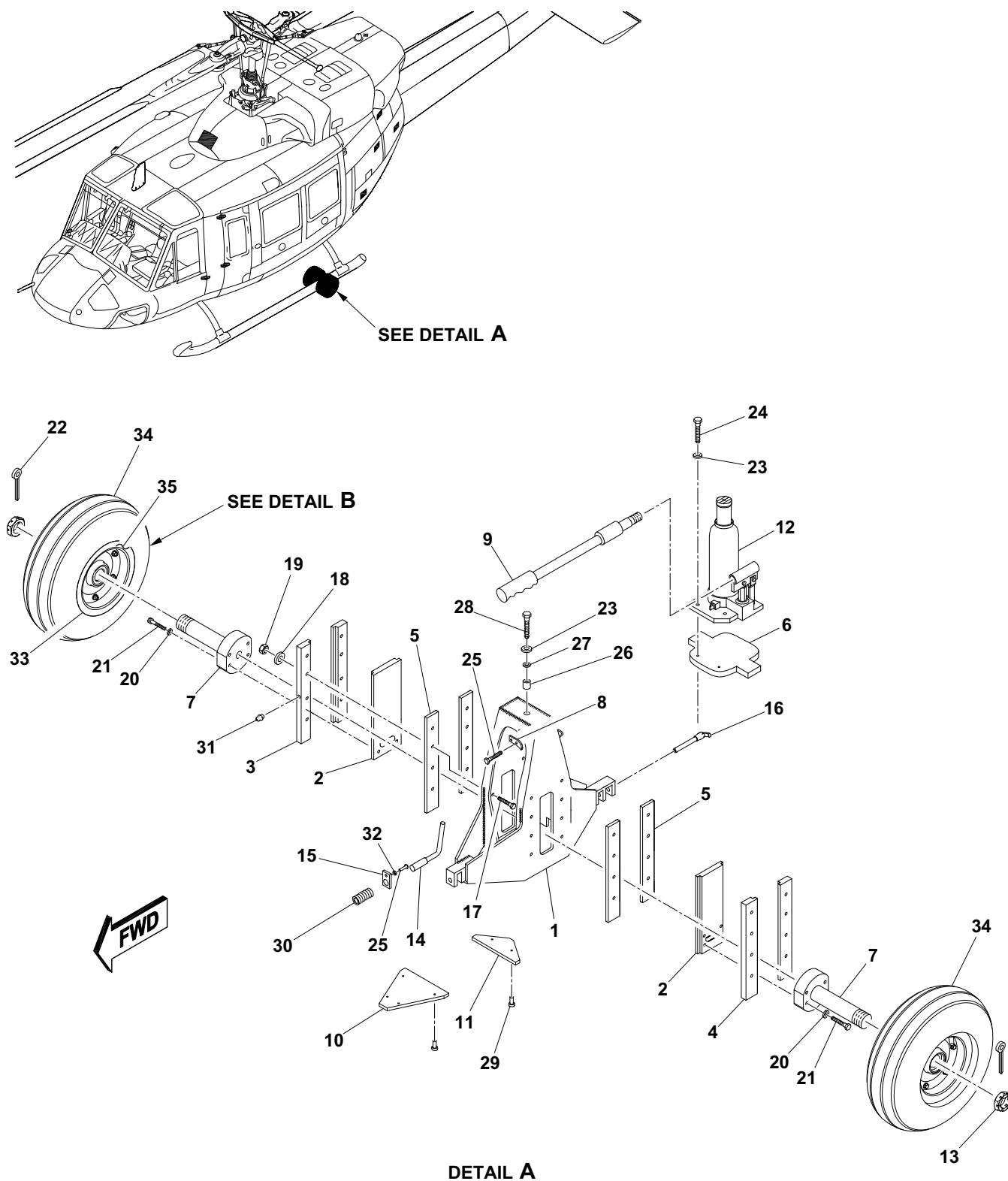
212_IPB_09_0003

Figure 9-3. Wheel Assembly, Ground Handling (214-706-104)

(1) INDEX NUMBER	(2) PART NUMBER	(3) ITEM NAME	(4) UNIT PER ASSY	(5) A V A I L	(6) U O C
		Figure 9-3. Wheel Assembly, Ground Handling (214-706-104)			
	214-706-104-001	WHEEL ASSY, GROUND HANDLING KIT (NOTE 1, 2)	REF	NP	
	214-706-104-015	WHEEL ASSY, GROUND HANDLING KIT (NOTE 1, 2)	REF	NP	
	214-706-104-107	WHEEL ASSY, GROUND HANDLING KIT (NOTE 1, 2)	REF	NP	
		(ALTERNATE PART)			
	214-706-104-105	WHEEL ASSY, GROUND HANDLING KIT (NOTE 1, 2) (REPLACED BY BDW-245B-1801)	REF	NP	
	BDW-245B-1801	GROUND HANDLING WHEEL ASSY (SEE FIG. 9-4 FOR BREAKDOWN) (REPLACES 214-706-104-107)	REF	SP	
1	214-706-104-003	.. WHEEL ASSY, GROUND HANDLING (NOTE 1)	1	NP	
2	MS24665-441	.. PIN, COTTER	1	SP	
2A	AN320-20	.. NUT	2	SP	
3	204-050-165-001	.. RETAINER	2	SP	
4	214-050-002-001	.. WHEEL ASSY	2	P	
5	18X5.5 TIRE	.. TIRE (REPLACED BY 18X5.5 TY7CL1)	1	NP	
5	18X5.5 TY7CL1	.. TIRE (REPLACES 18X5.5 TIRE)	1	NP	
6	18X5.5 TUBE	.. TUBE (REPLACED BY 18X5.5)	1	NP	
6	18X5.5	.. TUBE (REPLACES 18X5.5 TUBE)	1	NP	
7	40-117A	.. WHEEL ASSY (NOTE 3)	1	SP	
8	AN960-616L	.. WASHER (REPLACED BY NAS1149F0632P)	4	P	
8	NAS1149F0632P	.. WASHER (REPLACES AN960-616L)	4	SP	
9	204-050-200-013	.. PIN ASSY	2	SP	
10	MS15001-4	.. FITTING	1	SP	
11	204-050-162-001	.. PIN	1	SP	
12	MS21042L6	.. NUT	1	SP	
13	AN960-616L	.. WASHER (REPLACED BY NAS1149F0632P)	2	P	
13	NAS1149F0632P	.. WASHER (REPLACES AN960-616L)	2	SP	
14	MS21250-06030	.. BOLT	1	SP	
15	MS21042L5	.. NUT, SELF-LOCKING	1	SP	
16	AN960-516L	.. WASHER (REPLACED BY NAS1149F0532P)	2	P	
16	NAS1149F0532P	.. WASHER (REPLACES AN960-516L)	2	SP	
17	LWB22-5-34	.. BOLT	1	NP	
18	214-050-014-001	.. RETAINER	1	SP	
19	214-050-022-003	.. AXLE	1	NP	
		(ALTERNATE PART)			
19	214-050-021-003	.. AXLE	1	SP	
20	214-050-022-001	.. AXLE	1	NP	
		(ALTERNATE PART)			
20	214-050-021-001	.. AXLE	1	SP	
21	129241	.. HOSE ASSY	2	SP	
		(ALTERNATE PART)			
21	AE2463302E0120	.. HOSE ASSY	2	P	
22	MS20822-4-4	.. ELBOW (REPLACED BY MS20822-4-4J)	2	NP	
22	MS20822-4-4J	.. ELBOW (REPLACES MS20822-4-4)	2	NP	
23	MS20825-6	.. TEE (REPLACED BY MS20825-6J)	1	NP	
23	MS20825-6J	.. TEE (REPLACES MS20825-6)	1	NP	
24	204-050-170-001	.. CLEVIS ASSY	2	SP	
25	AN565E1032H12	.. SETSCREW	1	SP	
26	AN565D624H6	.. SETSCREW	2	SP	
27	214-050-104-001	.. RAM ASSY (USBL ON 214-706-104-003 AND -105)	2	NP	
27	214-050-104-101	.. RAM ASSY (USBL ON 214-706-104-107)	2	NP	
		(ALTERNATE PARTS)			
27	214-050-104-001	.. RAM ASSY	2	NP	
27	214-050-104-103	.. RAM ASSY (NOTE 4)	2	SP	
27A	SKR214KIT	.. REPAIR KIT (NOTE 4)	REF	SP	
27A	SKR214-03	.. PACKING	1	NP	
27A	SKR214-04	.. BACKUP RING	1	NP	
28	214-050-012-001	.. TRUNNION	1	SP	

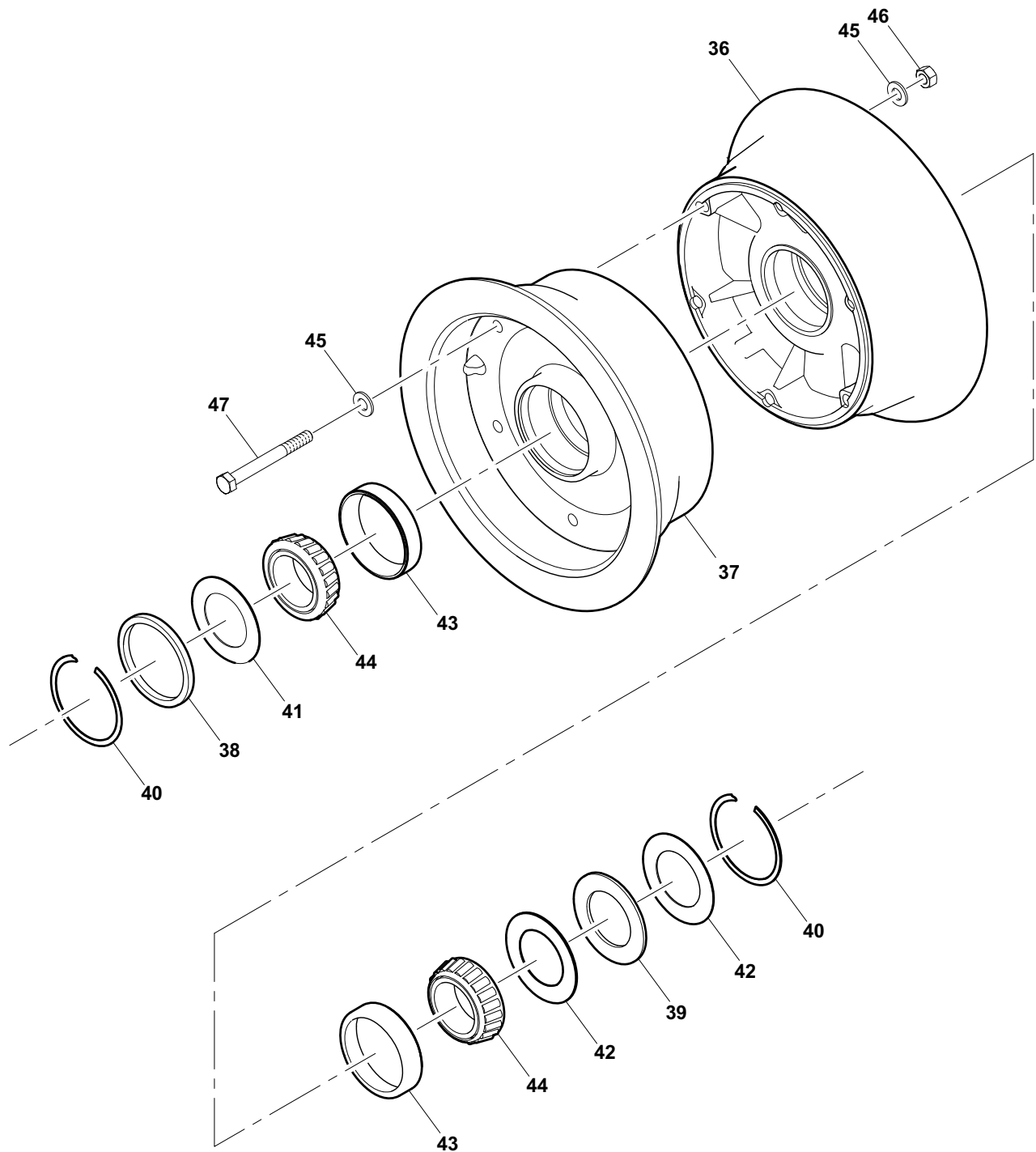
(1)	(2)	(3)	(4)	(5)	(6)
INDEX NUMBER	PART NUMBER	ITEM NAME	UNIT PER ASSY	A V A I L	U O C
		Figure 9-3. Wheel Assembly, Ground Handling (214-706-104)			
29	MS21042L4	.. NUT	4	SP	
30	AN960-416L	.. WASHER (REPLACED BY NAS1149F0432P)	4	P	
30	NAS1149F0432P	.. WASHER (REPLACES AN960-416L)	4	SP	
31	330571	.. U-BOLT (USBL ON 214-706-104-003 AND -105)	1	SP	
32	214-050-020-001	.. U-BOLT	1	SP	
33	AN4-12A	.. BOLT (USBL ON 214-706-104-107)	2	SP	
34	ALS-57	.. SPACER (USBL ON 214-706-104-003 AND -107)	1	P	
		(ALTERNATE PART)			
34	214-706-104-115	.. SPACER (USBL ON 214-706-104-003 AND -107)	1	NP	
35	BU0953B	.. PUMP ASSY (USBL ON 214-706-104-003 AND -105)	1	SP	
35	SD0-3032-006	.. PUMP ASSY (USBL ON 214-706-104-107)	1	P	
		(ALTERNATE PART)			
35	61780	.. PUMP ASSY	1	SP	
35A	300590	.. REPAIR KIT (USBL ON 61780)	REF	P	
36	204-050-226-015	.. DECAL (HYD SERVICE INSTRUCTIONS AND TIRE PRESSURE) (USBL ON 214-706-104-003)	1	SP	
37	204-050-226-017	.. DECAL (TIRE PRESSURE) (USBL ON 214-706-104-003) (REPLACED BY 204-050-226-101)	1	NP	
37	204-050-226-101	.. DECAL (SERVICE WITH HYD..... TIRE PRESSURE) (REPLACES 204-050-226-017)	1	SP	
38	MS9048-142	.. PIN (REPLACED BY NAS561P5-22)	1	NP	
38	NAS561P5-22	.. PIN (REPLACES MS9048-142)	1	SP	
39	214-050-013-001	.. PIN (REPLACED BY 212-050-219-101)	1	NP	
39	212-050-219-101	.. PIN (REPLACES 214-050-013-001)	1	SP	
40	18-1-C	.. SLEEVE (NOTE 5) (REPLACED BY MS51844-22)	2	NP	
40	MS51844-22	.. SLEEVE (NOTE 5) (REPLACES 18-1-C)	2	SP	
41	214-706-104-013	.. LANYARD (NOTE 5)	1	SP	
		(ALTERNATE PART)			
41	CL-21-KA-10.0LR	.. CABLE ASSY (NOTE 5)	1	SP	
42	NAS1338C5C24D	.. PIN (USBL ON 214-706-104-003) (REPLACED BY NAS1338C3C24D)	1	SP	
42	NAS1338C3C24D	.. PIN (USBL ON 214-706-104-003 AND -107) (REPLACES NAS1338C5C24D)	1	SP	
43	MS15002-1	.. FITTING	2	NP	
	214-050-011-001	.. CRADLE ASSY (16.41 INCHES)	1	SP	
44	214-050-011-003	.. CRADLE	1	P	
45	214-050-011-011	.. BUSHING	1	NP	
46	214-050-011-007	.. BUSHING	1	SP	
47	214-050-011-005	.. BUSHING	1	SP	
48	214-050-011-009	.. BUSHING	1	SP	
		NOTE 1: UNLESS OTHERWISE NOTED, ALL DETAILS ARE USED ON THE 214-706-104-001, -003, -105 AND -107.			
		NOTE 2: GROUND HANDLING GEAR 214-706-104-001/-015/-105/ -107 MAY BE USED AS AN ALTERNATE TO 212-050-200 SERIES GEAR FOR HIGH GROSS WEIGHT TOWING. HOWEVER, BECAUSE OF ITS LARGER TIRE SIZE, THIS GEAR IS NOT COMPATIBLE WITH 212 HELICOPTERS THAT HAVE EMERGENCY FLOAT BAGS INSTALLED.			
		NOTE 3: PROCURABLE AS SPECIAL ORDER ONLY.			
		NOTE 4: FOR RAM ASSEMBLY REPAIR KIT, ORDER SKR214KIT. ONE KIT PER RAM.			

(1)	(2)	(3)	(4)	(5)	(6)
INDEX NUMBER	PART NUMBER	ITEM NAME	UNIT PER ASSY	A V A I L	U O C
		<p>Figure 9-3. Wheel Assembly, Ground Handling (214-706-104)</p> <p>NOTE 5: AS AN ALTERNATE FOR LANYARD 214-706-104-013 AND SLEEVES 18-1-C, USE CABLE ASSEMBLY CL-21-KA-10.0LR.</p> <p>AVAIL CODE DEFINITION</p> <p>P Procurable</p> <p>NP Non Procurable</p> <p>SP Normal Stock/Procurement</p> <p>Please see Chapter 1 for additional information on availability codes as well as general use of the Illustrated Parts Breakdown Manual.</p>			



212_IPB_09_0004a

Figure 9-4. Wheel Assembly, Ground Handling (BDW-245B-1801) (Sheet 1 of 2)



DETAIL B

212_IPB_09_0004b

Figure 9-4. Wheel Assembly, Ground Handling (BDW-245B-1801) (Sheet 2 of 2)

(1) INDEX NUMBER	(2) PART NUMBER	(3) ITEM NAME	(4) UNIT PER ASSY	(5) A V A I L	(6) U O C
	BDW-245B-1801	Figure 9-4. Wheel Assembly, Ground Handling (BDW-245B-1801) GROUND HANDLING WHEEL ASSY (NOTE 1) (S/N 35104 THRU SUB)	2	SP	
1	W-245B-00	. WELDED FRAME ASSY	1	NP	
2	W-245B-04	. AXLE GUIDE	2	NP	
3	W-245B-05L	. LEFT GUIDE	2	NP	
4	W-245B-05R	. RIGHT GUIDE	2	NP	
5	W-245B-08	. WEAR PLATE	4	NP	
6	W-245B-09	. JACK BASE NORCO	1	NP	
7	W-245B-11	. SPINDLE	2	NP	
8	W-245B-13	. BUMP BLOCK	1	NP	
9	W-245-14-00	. JACK HANDLE ASSY	1	NP	
10	W-245B-15A	. BUMP PAD	1	NP	
11	W-245B-15B	. BUMP PAD	1	NP	
12	W-245-22C	. 8 TON JACK NORCO	1	NP	
13	W-245-25	. NUT, CASTLE	2	NP	
14	W-245B-29	. FRONT PIN	1	NP	
15	W-245B-30	. KEEPER	1	NP	
16	CL-8-BLPI-3.00-C	. BALL LOCK PIN	1	NP	
17	5/16-18 X 1 1/2	. BOLT	24	NP	
18	WASHER 5/16 SAE	. WASHER	24	NP	
19	5/16-18	. LOCKNUT	24	NP	
20	3/8	. LOCKWASHER	8	NP	
21	3/8-24 X 1 1/4	. BOLT	8	NP	
22	1/8 X 2 1/2	. COTTER PIN	2	NP	
23	HCLW 1/4 SS	. HIGH COLLAR LOCKWASHER	3	NP	
24	1/4-20 X 3/4	. ALLEN HEAD BOLT	2	NP	
25	10-32 X 3/4 SS BHCS	. STAINLESS BUTTON HEAD CAP SCREW	3	NP	
26	MCM6391K132	. BUSHING	1	NP	
27	WASHER FENDER 1/4	. FENDER WASHER	1	NP	
28	1/4-20 X 1	. BOLT	1	NP	
29	3/16 X 1/2	. ALUMINUM RIVET	6	NP	
30	S-264	. SPRING	1	P	
31	ZERK 1/4-28	. ZERK FITTING	4	NP	
32	#10	. HIGH COLLAR LOCKWASHER	1	NP	
33	W-5.30-8 TB	. TUBE	2	NP	
34	W-18 X 5.5 TR	. 8 PLY TIRE	2	NP	
	608500N SEAL KIT	. REPAIR KIT FOR 8 TON NORCO	REF	NP	
35	245-WHEEL	. WHEEL	2	NP	
36	245-1	. INNER WHEEL HALF	1	NP	
37	245-2	. OUTER WHEEL HALF	1	NP	
38	W-245-3	. SPACER RING	1	NP	
39	245-10	. FELT RING	1	NP	
40	VH-262	. SNAP RING	2	NP	
41	BOKER 0.031 THICK- NESS	. BOKER (2.503 O.D. 1.578 I.D.)	1	NP	
42	BOKER 0.035 THICK- NESS	. BOKER (2.622 O.D. 1.639 I.D.)	2	NP	
43	LM29710	. BEARING	2	P	
44	LM29749	. BEARING	2	NP	
45	AN960-516L	. WASHER (REPLACED BY NAS1149F0532P)	12	P	
45	NAS1149F0532P	. WASHER (REPLACES AN960-516L)	12	SP	
46	5/16-24	. LOCKNUT	6	NP	
47	5/16-24 X 3 3/4	. BOLT	6	NP	
		NOTE 1: REPLACEMENT SPARE PARTS ARE PROCURABLE FROM BRACKETT AIRCRAFT COMPANY INC. (WWW.BRACKETTAIRCRAFT.COM)			

(1)	(2)	(3)	(4)	(5)	(6)
INDEX NUMBER	PART NUMBER	ITEM NAME	UNIT PER ASSY	A V A I L	U O C
		<p>Figure 9-4. Wheel Assembly, Ground Handling (BDW-245B-1801) (Cont'd)</p> <p>AVAIL CODE DEFINITION</p> <p>P Procurable</p> <p>NP Non Procurable</p> <p>SP Normal Stock/Procurement</p> <p>Please see Chapter 1 for additional information on availability codes as well as general use of the Illustrated Parts Breakdown Manual.</p>			

