

## W class Bogie Overhaul - Parts List

Sys	Higher Assembly Dwg No	G.A. Item No	Part Description	S/I	Qty per Truck	Detail Drawing No	Wear Part	Maintenance Task & or Comments	Drawing Required
1	R6477	1	Bogie Frame		1	R6478		Examine for cracks, visual	
2	R6477	2	Transom Centre		2	R3284		Examine for cracks, visual	
3	R6478	3	Transom End		2	R4579		Examine for cracks, visual	
4	R6477	5	Gusset, centre		1pr	R4094		Examine for cracks, visual	
5	R6477	7	Transom Cleat Centre		2	R3066		Examine for cracks, visual	
6	R6477	8	Bracket, Motor suspension		2	R3308		Examine for cracks, visual. Modify (cut) for roller bearing wheel axle	
7	R6477	8.1	Bracket, Stirrup Iron, nose motor suspension	32/57	2	R4986		Replace if damaged	
8	R6477	8.2	Rubber block, motor suspension, large		2	R4378	*	Renew on overhaul	
9	R6477	8.3	Rubber block, motor suspension, small		2	R7857	*	Renew on overhaul	
10	R6477	9	Axle box U bolt		8	R4094	*	Inspect, renew if damaged	
11	R4033	9.1	Washer, locking, axle box, 2" x 2" x 7/8" hole	32/66	8	R4427	*	Renew on overhaul	
12	R6477	10	Plate, elliptical side spring suspension,		4	R9723		Inspect, renew if damaged	
13	R6477	11	Bolster		1	R2532		Examine for cracks, visual	
14	R6477	12	Spring Plank		1	R2525		Inspect, renew if damaged	
15	R6477	13	Link, Bolster swing link, with ref: 5341 bushes		4	R4091	*	Inspect, renew if damaged, renew bushes	
16	R4091	13.1	Bush, ref: 5341, Bolster swing link		8	?	*	Renew on overhaul	
17	R6477	13.2	Pin, Swing link, top, 4 3/8" x 1 1/2", split pin & washer	32/110	4	R4233	*	Renew on overhaul	
18	R6477	13.3	Pin, Swing link bracket, bottom, 350 mm long, 2 No. split pin & washer	32/111	2	R4632	*	Renew on overhaul	
20	R6477	14	Bracket, Bolster Swing Link		2 pr	R4112	*	Inspect, renew if damaged	
21	R6477	15	Bolster Spring Seat, bottom		2	R4097		Inspect, renew if damaged	
22	R6477	15.1	Spring, Coil, outer, Bolster, outer, high 8" 7/8 {+ 1/8 or -0 Free }	47/39	2	R9870	*	Renew on overhaul. Otherwise examine spring for breakage & free length	
23	R6477	15.2	Spring, Bolster, internal, high 8" 5/8 {+1/8 -0 free}	47/40	2	R9873	*	Renew on overhaul. Otherwise examine spring for breakage & free length	
24	R6477	16	Cap, Bolster Spring		2	R2534		Inspect, renew if damaged	
25	R6477	17	Bolster, wearing plate		4	R2532	*	Check for wear, repair if worn	
26	R6477	18	Bolster wear plate, Transom wearing plate, LH	32/52	2	R3117	*	Renew on overhaul	
27	R6477	18	Bolster wear plate, Transom wearing plate, RH	32/51	2	R3117	*	Renew on overhaul	
28	R6477	19	Plate, Centre, King pin		1	R3695		Inspect, renew if damaged	
29	R6477	19.1	King pin, 18 1/2" long x 1 1/2" dia, 2 No. slotted holes		1	R2806	*	Inspect, renew if damaged	
30	R6477	19.2	Washer, King pin, 3 1/8" dia x 1 17/32" bore		2	R2806		Inspect, renew if damaged	
31	R6477	19.3	Split pin, King pin, 3 1/2" long x 1 1/2" x 1/4" wide		4	R2806		Inspect, renew if damaged	
32	R6477	20	Bolster Slide bearing, Rubbing Plate		2	R2542	*	Renew on overhaul, Otherwise check for wear, condemning 3/4"	

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33	R6477	21	Radius bar, 1632 mm between hole centres	32/567	1	R4132	*	Renew on overhaul, Otherwise repair if worn, renew pivot bushes in any case	
34	R10-037	20.1	Bush, Radius bar, 1" bore,	32/122	2	R11-503	*	Renew on overhaul	
35	R6477	22	Lever, Brake lever (live), 3 No. bushes	32/561	4	R10-037	*	Inspect, check return spring hole for wear, replace if worn, renew bushes	
36	R10-037	22.1	Bush, Brake lever (live), 1" bore	32/122	4	R11-503	*	Renew on overhaul	
37	R10-037	22.2	Bush, Brake lever (live), 41.5 OD x 32 ID x 32	32/128	4	R11-503	*	Renew on overhaul	
38	R10-037	22.3	Bush, Brake lever (live), 7/8" bore	32/119	4	R11-503	*	Renew on overhaul	
39	R6477	22.4	Pin, Brake lever, end		4	R10-057		Superseded	*
40	R6477	22.6	Pin, Brake release spring, 1 1/2" x 3/8", 2 No. slit pin & washer	32/569	4	R10-714	*	Renew on overhaul	
42	R6477	22.7	Spring, Brake release, coil,	47/42	4	R5480	*	Not used with Universal slack adjuster	
44	R6477	23a	Spreader bar Hanger		4	R9132		Inspect, renew if damaged	
45	R6477	24	Lever, Compensating, 3 No. bushed holes, 336 mm long	32/563	4	R9920	*	Inspect, renew if damaged, renew bushes	
46	R9920	24.1	Bush, Compensating lever, 1" OD x 3/4" ID x 16 mm	32/118	8	R11-503	*	Renew on overhaul	
47	R9920	24.2	Bush, Compensating lever, 1 1/4" OD x 1" x 16mm	32/120	4	R11-503	*	Renew on overhaul	
48	R6477	24.3	Pin, Compensating lever end, 2 1/2" x 3/4", slit pin & washer	32/564	8	R10-711	*	Renew on overhaul	
52	R6477	25	Compensating rod	32/131	2	R3300	*	Check pivot holes for wear, Renew on overhaul	
53	R6477	26	Spreader bar, straight (end)		2	R4687		Inspect, renew if damaged	
54	R6477	26a	Spreader bar, bent (centre)		2	R4185		Inspect, renew if damaged	
56	R6477	27	Spreader Bar Connecting Rod		4	R9636	*	Inspect, renew if damaged	
56	R6477	27.1	Pin, Spreader bar con. Rod & lever shackle, 2 3/4" x 3/4", slit pin & wa	32/588	8	R10-710	*	Renew on overhaul	
57	R6477	27.2	Trunnion, Spreader bar connecting rod			R11-995		Renew on overhaul	*
58	R6477	27a	Nut, Extended, Spreader bar con. rod, 5 3/4" long x 1 1/2" A/F hex	85/26	4	R10-149	*	Renew on overhaul	
60	R6477	29	Link, Centre brake hanger, with 2 No. bushes	32/215	8	R10-050	*	Inspect, renew if damaged, renew bushes	
62	R10-050	29.1	Bush, Centre brake hanger, 28.96 OD x 22.81 ID x 28.58	32/132	16	R11-503	*	Renew on overhaul	
63	R6477	29.2	Pin, Brake hanger link, 6 3/4" x 7/8", 2 No. slit pin & washer	32/217	8	R10-705	*	Renew on overhaul	
64	R6477	29a	Link, End brake hanger, 3 No. bushed holes, 352 mm long	32/593	8	R8514	*	Check bushes for wear, Renew on overhaul	
65	R6477	29a.1	Bush, End brake hanger, 29.08 OD x 22.81 ID x 25.4	32/130	16	R11-503	*	Renew on overhaul	
66	R6477	29a.2	Bush, End brake hanger, 32.38 OD x 26.29 ID x 31.8	32/124	8	R11-503	*	Renew on overhaul	
67	R6477	29a.3	Pin, End brake hanger, brake shoe		4	R10-058		Renew on overhaul	*
68	R6477	29a.4	Pin, End Brake hanger, 151 mm x 22 mm, slit pin & washer	32/586	4	R10-708	*	Renew on overhaul	
69	R6477	29a.5	Spring, End Brake hanger, spring steel, 244 mm long	47/45	4	R4265	*	Check Spring tension & wear on holes (80% renewal)	
70	R6477	30	Bracket, Centre brake hanger, with 2 No. bushes	32/211	4	R9875	*	Inspect for damage, replace if worn, renew bushes	

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71	R9875	30.1	Bush, Bracket, Nylon, Centre brake hanger	32/127	8	R10-720	*	Renew on overhaul	
73	R4033	30.3	Spring, Centre brake hanger, spring steel, 232 mm long	47/44	4	R7491	*	Check Spring tension & wear on holes (80% renewed)	
74	R6477	31	Bracket, End brake hanger, 2 No. bushes	32/584	4	R9127	*	Inspect for damage, replace if worn. renew bushes	
75	R9127	31.1	Bush, Nylon, End brake hanger bracket	32/127	8	R10-720	*	Renew on overhaul	
76	R6477	32	Bracket, Compensating lever fulcrum	32/136	1 pr	R3100	*	Check pivot hole. Renew if damaged, renew pin	
77	R6477	32.1	Pin, Compensating lever fixed centre, 2 1/2" x 1", slit pin & washer	32/566	2	R10-713	*	Renew on overhaul	
78	R6477	33	Radius bar link 876 mm hole centres, LH	32/569	1	R4133	*	Repair clevis where worn. (New required in future)	
79	R6477	33	Radius bar link 876 mm hole centres, RH	32/568	1	R4133	*	Repair clevis where worn. (New required in future)	
80	R6477	33.1	Pin, Compensating lever, radius bar link, 2 3/4" x 1", slit pin & washer	32/573	4	R10-712	*	Renew on overhaul	
81	R6477	34	Slide, Radius bar link		2	R9790	*	Check for wear, renew if worn	
82	R6477	36	Shackle, Brake lever, D shackle, 24 mm	32/562	4	R4111	*	Renew on overhaul	
83	R6477	36.1	Pin, Brake lever shackle		4	R4229		Renew on overhaulSuperseded?	*
84	R6477	37	Shackle, Compensating lever, D shackle, 17,5 mm	32/565	4	R4111	*	Check for wear, repair if worn	
85	R6477	39	Bracket, Elliptical side spring slide		4	R4082	*	Examine spring steel liner for wear, Renew if worn	
86	R6477	40	Bracket, Elliptical side spring, (anchor)		2	R4083	*	Check holes for wear, replace bracket if worn	
88	R6477	40.1	Pin, Spring bracket, 5 5/8" x 1 1/4", split pin & washer	32/555	4	R4222	*	Renew on overhaul	
89	R6477	42	Plate, Swing link bracket		4	R4112	*	Check holes for wear, replace bracket if worn	
90	R6477	43	Brake shoe holder (end)		4	R10-219	*	Inspect, renew if damaged, (mostly renewed)	
91	R10-219	43.1	Bolt, brake shoe holder		4	R9136		Renew on overhaulSuperseded?	*
92	R6477	45	Brake shoe holder (centre)	32/222	4	R10-245	*	Inspect, renew if damaged, (mostly renewed)	
93	R10-245	45.1	Bush, Brake shoe holder (centre)	32/127	8	R10-720	*	Renew on overhaul	
94	R10-245	45.2	Bush, Brake shoe holder (centre), 41.66 OD x 32.26 ID x 27	32/126	8	R11-503	*	Renew on overhaul	
95	R4033	45.3	Pin, Brake Shoe holder, centre, 4 7/8" x 1 1/4", 2 No. slit pin & washer	32/230	4	R10-704	*	Renew on overhaul	
96	R6477	45.4	Brake Shoe (see also item 43)	32/2	8	R10-681	*	Renew on overhaul	
97	R6477	45.5	Keys, Brake shoe, end, centre		8	R10-737	*	Renew on overhaul	
98	R6477	46	Bracket, Transom Tie, 1'2" x 2" x 1/2" 2 11/16" holes		2	R2582		(Part of bogie frame)	
99	R6477	47	Bracket, Radius bar support, Inner	32/569	2	R10-726	*	Renew on overhaul	
100	R6477	47	Bracket, Radius bar support, Outer	32/570	2	R10-726	*	Check wear material, replace if worn (little wear)	
102	R6477	48	Spreader bar ends, (centre), (connects to item 26a)	32/581	8	R4170	*	Check pivot holes for wear, renew bracket if worn	
103	R6477	48.1	Pin, Spreader bar ends, 2 1/2" x 1", flat on head	32/589	4	R10-709	*	Renew on overhaul	

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107	R6477	69	Spring, elliptic leaf, side spring, complete	47/38	4	R10-281	*	Renew on overhaul	
108	R11-426	69.1	Bush, side spring, 3 1/2" x 1 1/4" hole	32/556	4	R7442	*	Renew on overhaul	
109	R10-281	70	Holder, slide pad, side spring		4	R4889	*	Inspect, repair or replace if damaged	
111	R6477	71	Rubber slide pad, holder, side spring	20/273	4	R4782	*	Renew on overhaul	
112	R6477	76	Wheel Axle assembly complete with roller bearings		4			Examine wheel profile, tread / flange must be well within condemning tolerances. (mostly renewed)	
113	R6477	76.1	Axle earth brushes, Ferraz		2		*	Inspect, fit reconditioned unit if defective, use thread lock to secure bolts.	
114	R6477	76.2	Bracket, anti rotation, axle earth brush	32/85	2		*	Inspect, renew if damaged, see modified universal type	
115	R6477	76.3	Cable, Earth brush		2		*	Inspect, renew if damaged	
116	R6477		<i>Arrangement, Centre Brake Hanger</i>			R10-184			
117	R6477		<i>Arrangement, End Brake Hanger</i>			R10-262			*
			<i>Check out drawing</i>			R10-047			*
			<i>Check out drawing</i>			R11-426			*
			<i>Check out drawing</i>			R11-666			*
			<i>Check out drawing</i>			R11-667			*