



ITEM	DESCRIPTION & DIMENSION	NO.OFF	REF. DRG.	WT.OF ONE(Kg)	MATL&SPEC	REMARKS
45	BASE PLATE STIFFENERS	2R	-	-	IS:2062 Fe 410 WA	
44	BRACKET BASE PLATE SMALL	1	-	-	IS:2062 Fe 410 WA	
43	BRACKET BASE PLATE LARGE	1	-	11.83	IS:2062 Fe 410 WA	
42	APD FOR CONTROL ROD	1	WD-80007-S-19 ITEM-4	65.57		
41	ANTIPIRFERAGE WASHER	1	W/BG-6351	0.01		
40	HAND BRAKE CONNECTING LINK	2	WA/BG-1190	3.89		
39	COUPLING NUT ASSEMBLY FOR EMPTY TIE ROD	1	WA/BG-6357	0.09		
38	CONNECTING ROD FOR BRAKE GEAR	1	W/BG-6321	0.60		LENGTH TO SUIT
37	SLEEVE	1	W/BG-6310	1.57		
36	HAND BRAKE BEVEL WHEEL	2	W/BG-1131	1.84		
35	OPERATING ARM	1	W/BG-6251 OR W/BG-6253	0.05		
34	FOOT STEP	2	-	-	IS:2062 Fe 410 WA	
33	HAND BRAKE WHEEL	2	W/BG-6226	38.07		
32	BRAKE PULL ROD SAFETY LOOP	2	-	1.50		
31	HANDLE FOR CENTRE BRAKE RIGGING	2	W/BG-6192/A	1.02		
30	CHECK COLLAR FOR LONG SHAFT	1	W/BG-6191	0.28		
29	BRAKE GEAR SHAFT (SHORT)	1	W/BG-6190	0.68		
28	TOOTHED SEGMENT	2	W/BG-6183/A	7.56		
27	SHAFT BEARING WITH SIGN PLATE	2	W/BG-6186	7.72		
26	BEARING FOR LONG SHAFT	1	W/BG-6185	0.89		
25	BELL CRANK FOR CENTRE BRAKE RIGGING	1	W/BG-6184	0.26		
24	BKT. FOR EMPTY LOAD CHANGE OVER SMALL	1	W/BG-6349	4.44		
23	BKT. FOR EMPTY LOAD CHANGE OVER LARGE	1	W/BG-6348	4.85		
22	HAND BRAKE BEVEL GEAR BOX COVER	1	W/BG-1134	0.24		
21	HAND BRAKE BEVEL GEAR BOX	1	W/BG-1133	6.95		
20	STIFFENER	1	W/BG-6347	0.85		
19	SUPPORTING BRACKET FOR HAND BRAKE	1	WD-80007-S-19 ITEM-3	1.39		
18	HAND BRAKE SCREW NUT	1	WA/BG-6346	2.95		
17	EQUALISING LEVER SUPPORT BRACKET	1	WA/BG-6345	5.88		
16	BRAKE EQUALISING LEVER	2	WA/BG-6344	3.72		
15	HORIZONTAL LEVER SUPPORT(LARGE)	1	W/BG-6343	19.14		
14	PIN FOR HORIZONTAL LEVER	1	W/PN-88	1.11		
13	LOADED TIE ROD	1	WA/BG-6342	7.47		
12	BRAKE GEAR SHAFT (LONG)	1	W/BG-6341	10.31	MODIFIED	LENGTH=2478
11	HORIZONTAL LEVER SUPPORT(SMALL)	1	W/BG-6340	8.88		
10	HAND BRAKE SCREW WITH WASHER	1	WA/BG-6339	12.80		
9	EMPTY TIE ROD	1	WA/BG-6338	6.67		
8	CONNECTING ROD FOR BRAKE GEAR	1	WD-80007-S-19 ITEM-2	0.22		
7	SPINDLE FOR HAND BRAKE	1	WD-80007-S-19 ITEM-1	0.16		
6	SPINDLE FOR HAND BRAKE	1	WA/BG-6337	7.89		
5	GEAR BOX HANGER BRACKET	1	W/BG-6336	3.67		
4	HAND BRAKE PULL ROD	1	WA/BG-6356	9.72		
3	MAIN PULL ROD (LONG)	1	WA/BG-6355	12.89		
2	MAIN PULL ROD (SHORT)	1	WA/BG-6354	7.67		
1	HORIZONTAL LEVER	2	WA/BG-6335	37.27		

\*ITEM 32-HANGER FOR PULL ROD ROLLER REPLACED BY BRAKE PULL ROD SAFETY LOOP

ALT	ITEM	AUTHY	DESCRIPTION	DATE	ASSEMBLY DRAWING
23	44	WD-23076	ITEM 32* REPLACED. ITEMS 42,43 DELETED. DRG RENUMBERED ACCORDINGLY.	08/2023	
24	44	WD-21086	"BOXNEM" ADDED IN TITLE BLOCK DATA AGAINST WEIGHTS ADDED IN TABLE	09/2021	
22	44	WD-20017	"BOXNEM" ADDED IN TITLE BLOCK DATA AGAINST WEIGHTS ADDED IN TABLE	06/2020	
23	44	WD-13018	"BOXNHAM" ADDED IN TITLE BLOCK DATA AGAINST WEIGHTS ADDED IN TABLE	04/13	
21	44	WD-09077	ITEM 45,46&47 ADDED & BRAKE GEAR SHAFT (LONG) LENGTH MODIFIED.	9/09	
20	44	WD-04092	ITEM 44 ADDED	12/04	
19	34	WD-05007	FOOT STEP & LADDER MODIFIED AS PER WAG-5 DECISION	01/05	
18	34	WD-95064	REVISED AND REDRAWN	12/95	

NOTE:-  
 1. REFER DRG. NO. WD-80007-S-09 'BOXN' BRAKE DIAGRAM FOR PINS, WASHERS, BUSHES AND SPLIT PINS.  
 2. SLACK ADJUSTER AND EMPTY LOAD BOX OF TYPE AS APPROVED BY R.D.S.O.

SUPERSEDED BY: BOGIE OPEN WAGON TYPE 'BOXN/BOXNHS/BOXNHAM/BOXNEL/BOXNM1/BOXNM2 AND BOXNHSM1/BOXNHSM2'

SCALE: PASSED 1:10 CHECKED 1:5 TRACED J.SHEET

DATE: 1/84, 5/83, 3/83, 8/87

DESIGNED BY: R.D.S.O. [W]

GROUP: [ ]

WD-80007-S-10