



FOR PIPING CONNECTION DETAILS
REFER DRG. NO. 1209-08,032-123

- NOTE:-

1. ITEMS ARE FOR 4-NO. OF WIPER ASSEMBLY COMPLETE (1 LOCO SET)
2. THE DRG IS APPLICABLE FOR WAG-9, WAP-7 & WAP-5 ELECTRIC LOCOMOTIVE
3. WIPER MOTOR & WIPER SWITCHES SHOULD BE PAINTED GREEN RAL-6024
4. MATERIAL OF WIPER ARM AND WIPER BLADE (STEEL COMPONENT) SHOULD BE PAINTED BLACK POWDERED COATING
5. ALL STANDARD HARDWARE ITEM SHOULD BE TVS/ISL/UNBRANCO MAKE
6. SPRING WASHER SHOULD BE OF 'BBBBI' BRAND
7. ITEM NO. 23 & 24 ARE NOT IN THE SCOPE OF SUPPLY
8. ALL RUBBER COMPONENTS SHOULD BE PROCURED FROM RDSO/RAILWAY APPROVED SURFACES FOR PNEUMATIC VALVE & COMPONENTS

IMPORTANT MATERIAL SPECIFICATIONS

1. WIPER MOTOR - HARD ANODIZED ALUMINUM ALLOY 22588 (HF18) TO IS734
2. WIPER SWITCH- HARD ANODIZED ALUMINUM ALLOY
3. WIPER MOTOR SPINDLE- STAINLESS STEEL, GRADE-304
4. WIPER HANDLE- STEEL 2062 GRC (HOT DIP GALVANIZED)
5. PISTON OF PILOT VALVE- NYLON 6/6
6. PINION- SINTERED BRONZE TO IS-28 GR5
7. RACK- HARD ANODIZED ALUMINUM ALLOY 22588 (HF18) TO IS734
8. WATER PUMP BODY- STAINLESS STEEL GR304

22	/	1209-07-303-020	WATER RESERVOIR ASSY. (8 LITRE CAPACITY)	1	POLYETHYLEN		1.60
21	/	1209-07-403-023	WATER PUMP	1			
20	/	1209-07-303-078	OPERATING WAIVE NO.12	1	-	-	
18	/	1209-07-303-028	LEVER FIXED ASSEMBLY (R.H.S) (W/PER INSTALLATION)	1			
18	/	1209-18-406-132-001	WASHER (OVERSIZE) M6	2	STEEL	IS-1079 G-D	
17	/	1209-18-406-311-005	SCREW CAP HD SOCKET M6X1 - 30 LG.	2	ALLOY STEEL	IS-2265 CLASS -12.9	
16	/	1209-07-303-029	LEVER FIXED ASSLY. L.H.S. (W/PER INSTALLATION)	1			
15	/	1209-07-303-027	LEVER EXTENSION ASSEMBLY (W/PER INSTALLATION)	1			
14	/	1209-18-406-425-003	LOCITE - 292	1			
13	T309/162	1209-18-406-399-005	WASHER HELICAL SPRING LOCK 8.6 NATURAL	8	STAINLESS STEEL		
12	/	1209-18-406-399-003	WASHER HELICAL SPRING LOCK 5.6 NATURAL	6	STAINLESS STEEL		
11	/	1209-18-406-355-074	MB HEX BOLT	8	STEEL	AS 1110-1984	33.80
10	T309/161	1209-18-406-328-003	SCREW-CX HEAD M5	6	STEEL	AS1427	
9	T309/160	1209-18-406-324-003	SCREW HEX HD M5X0.8 - 16 LG	6	STAINLESS STEEL, AISI 304	IS-1364, PT-2	
8	/	1209-07-403-030-001	OIL SEAL	2	OUTSIDE RUBBER		
7	/	1209-07-403-030-002	OIL SEAL	2	OUTSIDE RUBBER		
6	/	1209-07-403-026	GASKET (W/PER INSTALLATION)	2	NEDPRENE	-	
5	/	1209-07-403-025	SEAL FLANGE (W/PER INSTALLATION)	2	STEEL	IS- 2062 G.R.	0.30
4	/	1209-07-303-022	FLEXIBLE WIPER BLADE ASSEMBLY (STAINLESS) 508.6	2			
3	/	1209-07-303-021	WIPER ARM COMPLETE 550 LG	2			
2	/	1209-07-403-024	BEARING AND SHAFT ASSLY. W/PER MOTOR M16/60-W-P COMPLETE	2			
1	/	1209-07-303-09-001		2	-	-	
प्रति भाग	हस्तात वत विभाग	अर्थ विभाग	वर्ग	मात्रा	वस्तु	पंक्ति	अर्थ वत विभाग
REF. NO.	C&D NO.	PART ORG. NO.	DESCRIPTION	QTY.	MATL	SPECN	WT. EACH

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