



**QM-C-7.1/AB/0018/A**

**Inspection Plan(Check Sheet)**

**Item:** Loco Brake Equipments (A9 Auto Brake Valve)  
**Specn. :** MP.0.01.00.19, Rev.01 of June'2010  
**Amd.:**  
**Drg. No. & Alt.:** WEBCO PC No. 564140 (WEBCO Test Spec. No. T-2559-0)

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1.	Name of Manufacturer	
2.	Description of material	
3.	Purchase Order	
4.	Total Quantity ordered	
5.	Quantity Earlier passed	
6.	Quantity now offered	
7.	Consignee	
8.	D.P.	

1.	Date of Inspection	
2.	Qty. Accepted	
3.	Qty. Rejected	
4.	Balance order	

- 1.0 Pre-Inspection checks
- 1.1 Sample Plan : (10%)
- 1.2 Ensure availability of valid Internal Test reports YES NO
- 1.3 Ensure calibration status of equipment, test benches, gauges and instruments to be used in inspection. YES NO
- 1.4 Availability of adequate Air pressure on test bench. YES NO

Signature of firms Representative

RDSO Representative



TEST REPORT

PRODUCT : A9 AUTO BRAKE VALVE  
PART No. 502001000  
TS REF : TS 003-1/C

WABCO Pt.No. 564140  
WABCO TEST REF No. T-2559-0  
Date :

Test No.	Test Description	Result	Results Obtained									
			Sl.No. of Valves									
7.0	Adjustment											
7.4	Adjust A.R. Gauge	Indicator pressure is 110 PSI										
7.6.2	Move handle to release position and observe AR Gauge	Indication increase to 110 PSI										
7.7.1	Move handle to Int. Redn. Position and observe AR Gauge	Pressure drops to between 106 and 103 PSI										
7.7.2	Release position	AR Gauge rises to 110 PSI										
7.8	Move handle to Service Position and observe AR Gauge	Pressure drops to between 87 and 84 PSI.										
7.9	Move handle to release position and observe AR Gauge	Indication increases to 110 PSI										
7.10	Move handle to over reduction position and observe AR Gauge	Pressure drops to between 76 and 64 PSI.										
7.11	Move handle to Emergency position and observe AR Gauge.	Pressure drops to 0 PSI										
7.12	Move handle to release position and observe AR Gauge.	Pressure rises to 110 PSI										

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	LEAK TESTING																		
8.2	O' Ring (on port No. 5)																		
8.2.2	Check leak at cock A	No Leakage																	
8.3	SUPPLY CHECK VALVE & 'O' RING																		
8.3.3	Open cock 14 and increase AR by 1 PSI and observe pressure drop IR Er. And Q. SER. Gauges.	1 PSI max. drop in 10 sec.																	
8.4	EX. VALVE EMER VALVE & 'O' RING																		
8.4.2	Move handle to service position and observe AR Gauge.	Pressure drops from 87 to 84 PSI.																	
8.4.3	Observe pressure drop in ER. AR and Q SER. Gauges.	1 PSI max. drop in 20 sec.																	
8.4.5	Move handle to over reduction position and observe AR Gauge	Pressure must drop from 75 to 65 PSI.																	
8.5	EMER. VALVE & 'O' RING																		
8.5.1	Observe pressure drop in ER, AR and Q. SER. Gauges.	1 PSI max. drop in 20 sec.																	
8.6	CASTING & GASKET																		
8.6.1	Check leak through entire valve.	No Leakage																	

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	CAPACITY																		
9.1	PORT 1 TO EX.																		
9.2	Move handle to service position and observe AR Gauge.	Pressure drops from 110 PSI to 90 PSI in 5 to 8 sec. Max.																	
9.3	PORT 1 THRO. EMERG. TO EX. VALVE.																		
9.3.1	Move handle to Emergency position and observe AR Gauge	Pressure drop from 110 to 10 PSI in 5 sec. Max.																	
9.4	PORT 30 – PORT 1																		
9.4.2	Move handle to release position and observe AR Gauge	Pressure rises from 0 to 80 PSI in 8 to 10 sec. Max.																	
10.0	SENSIVITY																		
10.2	Move handle towards service position in several 3 PSI steps and observe pressure rise in AR Gauge.	Pressure reduces in corresponding steps of not more than 3 PSI.																	
10.3	Move handle towards release position in several 3 PSI steps and observe pressure rise in AR Gauge.	Pressure increases in corresponding steps of not more than 3 PSI.																	
10.6	Move handle towards service position and observe pressure rise in AR Gauge.	Pressure rises back to 100 PSI.																	

Signature of firms Representative

RDSO Representative