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भारत सरकार - रेल मंत्रालय  
अनुसंधान अभिकल्प और मानक संगठन  
लखनऊ - 226 011  
Government of India-Ministry of Railways  
**Research Designs & Standards Organisation**  
LUCKNOW - 226 011

**No. EL/2.2.14**

**Dated : 3.11.99**

**-Chief Electrical Engineer,**

- Central Railway, Mumbai CST – 400001.
- Eastern Railway, Fairlie Place, Calcutta – 700001
- East Central Railway, Chandrashekharapur, Bhubaneswar-751 001.
- Northern Railway, Baroda House, New Delhi – 110001
- North Central Railway, Hasting Road, Allahabad-211 001.
- Southern Railway, Park Town, Chennai – 600003
- South Central Railway, Rail Nilayam, Secunderabad –500 371
- South Eastern Railway, Garden Reach, Calcutta – 700043
- South Western, Railway, Bangalore – 560 046.
- Western Railway, Churchgate, Mumbai – 400020
- West Central Railway, Jabalpur.
- New Zone, Railway, Bilaspur
- Chittaranjan Locomotive Works, Chittaranjan – 713331

**TECHNICAL CIRCULAR NO. ELRS/TC/0052 Rev. '0'**

**Sub :** RDSO's recommendations for import of critical rubber components for pneumatic brake valves.

**Ref :** 1. Board's letter No. 99/Elec (TRS)/138/6 Pt. Dated 30.7.99  
2. RDSO's Report No. ELRS/IR/0087, Rev 'O'

Board vide letter referenced above have approved import of critical rubber components of pneumatic brake valves till reliable sources are developed indigenously. Board vide para 2.0 of above letter have also decided that various items to be imported shall be identified by RDSO keeping in view the report on 'Quality Audit of Railways with reference to use of Rubber Components' issued by RDSO vide Report No. ELRS/IR/0087, of July '99.

RDSO has recommended import of following rubber components vide Annexure V of report referenced above at S. No. 2;

**DETAILS OF CRITICAL DIAPHRAGMS USED IN PNEUMATIC BRAKE VALVES**

S.N.	Type of Pneumatic brake Valve	WABCO Part No. of Diaphragms	Equivalent SAB-WABCO (RPIL) Part No.	Equivalent SIL Pt. No.	Quantity Per valve
1.	A9	526346 *	502 7040 00	300 70441	1
2.	SA9	526346 *	502 7040 00	30070441	1
3.	C2W	536300	505 7080 00	30383941	1
4.	VA1B	546353 (Small) 546354 (Large)	504 7020 00 504 7040 00	30472820 30473141	1 1
5.	C3W				
5.1	Main valve	19185800	19185800 08	08474121	1
5.2	-do-	19184900	19184900 08	08473341	1
5.3	Cut of valve	18301900	18301900 08	08481921	1
5.4	Quick service valve	19189400	19189400 08	08477221	1
5.5	In shot valve	18301900	18301900 08	08481921	1
6.	HS4	526346 *	502704000	30070441	1

After discussion with Railways, it is decided to include following components also in the above list.

S.No	Type of pneumatic Brake valve	WABCO Part No. with description	Equivalent SAB-WABCO Part No. (RPIL)	Equivalent SIL Part No.	Qty per valve
1.	N1 type pressure Reducing valve (PLV)	526346 * Diaphragm	502-704000	30070441	1
2.	-do-	562307 Seat exhaust Valve	Not available	30079303	1
3.	C2W relay valve	559412 Exhaust valve Assembly	505106000	Not available	1
4.	C2W relay valve	554996 Seat supply Valve	505105000	Not available	1

\* The diaphragms are identical.

1.0 All items to be indented as per WABCO's part Nos. supplier has to arrange manufacturer's works test certificate, however final inspection will be carried out by CLW on receipt of material at CLW.

Encl : Nil



(O.H. Pande)  
for Director General/Elect.

Distribution : As per mailing list

To.

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