



ANDHRA PRADESH STATE ROAD TRANSPORT CORPORATION

Lr No. OP5/261(QSPV)/2020-MED

O/o the VC&MD,
RTC House,VJA,
Dt. 23.03.2022.

To

All Executive Directors(Zone),
A.P.S.R.T.C.

Sub: MAINTENANCE - Introduction of Parallel type Quadruple System Protection Valve by M/s ZF WABCO – Instructions issued- Reg.

Dual Air Brake system is standardized in all the buses of APSRTC since 1990s and several product developments have been carried out so far like introduction of Air Drier, DDU, Relay valves etc.

Now, M/s ZF WABCO has come up with a proposal to introduce Parallel type Quadruple System Protection Valve (QSPV), part no. 9347020730 in place of the existing System Protection Valve, part no. 100307550 which will retain the air pressure in individual circuits to 7 bar minimum even if there is a leakage in auxiliary systems, thus HSD KMPL of the vehicle will improve.

The main feature of this valve is all the four circuits in Dual brake system become independent below 7 bar as against 4.5 bar in existing system. This will result in retention of air pressure in the main circuits even if there is air leakage in the auxiliary circuits and unnecessary acceleration is not required to build up air from 4.5 bar during overnight parking / long rest hours thus results in savings in fuel consumption.

The trials conducted at various Depots proved that the system is working satisfactorily and resulting in improvement of HSD KMPL. Further, Parallel type QSPV is cheaper than the existing SPV. Hence, it is proposed to replace all the System Protection Valves existing on the buses in a phased manner with parallel type QSPV.

Parallel type QSPV is suitable for all TATA/ AL vehicles fitted with VOSS type Air Drier/ASP, but not suitable for vehicles fitted with DDU since SPV is integral part of DDU.

Hence, it is requested to procure and use Parallel type QSPV (part no. 9347020730) of M/s ZF WABCO here onwards whenever the existing System Protection Valves (part no.100307550) on TATA/AL buses fitted with Air drier/ASP require replacement.


24/3/22
Executive Director (E)

Copy to all RMs for information

Copy to all DyCMEs, DVMS, WMs and COSs for necessary action

Copy to OSD to VC&MD for information

Copy to Sri N.Suman, Dy.Manager, Sales & Service, ZF group for information