Government of India Ministry of Railways Research, Designs & Standards Organisation Manak Nagar, Lucknow - 226 011

No. EL/3.2.5/J3 Dated 24.1.1992

Modification Sheet No. RDSO/WAM4/168

1. Modified adjustments shim and silirite shim for Title : commutating pole core of TAO 659 Traction Motor. 2. All electric locomotives viz., WAM4, WAP1, WCAM1 **Application:** & WAG5 fitted with TAO 659 Traction Motor. 3. **Object** 3.1 : At present adjustment shim & silicate shim for commutation pole is being provide as per CLW Drg. No.3 TWD.092.173. The adjustment shims have sharp corners and likely to damage insulation partly at the time of assembly of coils. The sharp corners are also contributing to the failure of coils earthed in service due to vibration. 3.2 It is also observed that in some cases the adjustment : shim are projecting over and above the pole core punching. This also leads to partly damage of the coil insulation during assembly in service. The situation may also contribute to earthing of coils in service when coils are subjected to vibration. 3.3 The present modification intends to adopt the modified : profile of adjustment shim/silirite shim for compole to ensure that there are no sharp corners and avoid any possible damage during assembly/service.

4. Details of Modification

4.1 : Remove the present adjustment & silirite shim from compole core assembly

4.2 : Provide the modified adjustment & silirite shim having no sharp corners and smooth profile as shown RDSO's DRG No. SKEL - 4081 & SKEL - 4082.

	4.3	: The modified adjustment & silirite shim should be of punched and have smooth surface/edges.			
	4.4	: check	adjustment & silirite shim are not projecting beyond core.		
	4.5	: Mate	rial for the adjustment silirite shim should be got checked as per relevant specification before acceptance of the material. Thickness of the adjustment shim should be such so as to ensure air gap within the limits laid down.		
assembly haul/rep	•	: on	Check adjustment and silirite shim of compole and replace during annual over -		
6. RDSO's	Material Required	:	Adjustment & silirite shim for compole as per DRg. No. SKEL - 4081 & SKEL - 4082.		
7.	Source of supply	:	Railways may procure the material from the existing suppliers who are supplying the convential adjustment & silirite shim.		
8.	Agency for Implementation	:	 i) All Traction Motors/POH Shops. ii) All Electric Loco Sheds. iii) All loco POH Shops. iv) All Production Units. 		
9. I	Distribution list	:	As per enclosed list.		
			Jafforda.		

DA: As Above.

(P.K.Jain)
For Director General (Elec.)



