

Government of India (Bharat Sarkar)
Ministry of Railways (Rail Mantralaya)
Research Designs and Standards Organisation

Manak Nagar, Lucknow-226011.

No. EL/3.2.65/DB2.

Dated: 13-7-1978.

MODIFICATION SHEET NO. RDSO/WAM4/70

1. Title of modification:

MODIFICATION TO THE LOCKING ARRANGEMENT OF ANCHOR LINK
FIXTURE.

2. Application to class of rolling stock:

WAM-4 and WCAM-1 locomotives on which TAO-659 traction
motor is fitted, on unmodified bogies.

3. Object of modification:

There have been some failures of anchor link fixtures
provided on WAM-4 and WCAM-1 locomotives to anchor the
TAO-659 traction motor in position transversely. The
failures are due to breakage of fabricated anchor link
brackets, & due to loosening of the hexagonal headed
screws fixing the lateral link on the bogie beam and the
traction motor, and shearing of the screw threads or the
shank itself.

In case of end motors, the fabricated bracket should be
replaced by cast steel bracket with integral base plate -
reference CLW Drg. No. 05/3/19/7 - as advised vide RDSO
letter No. SD.WAM4.3 dated 28th June, 1977 followed by
letter No. EL/3.2.65 dated 18th January, 1978.

Tightness of the screws is also of utmost importance.

As the present wire locking arrangement permits a certain
amount of loosening of the screws, it is proposed to
replace the wire-locking by bent sheet locks. Increased
tightening torques have also been specified.

4. Modification drawing No. :

RDSO Sketch No. SKEL/2870.

5. Agency for modification:

- .i) Sheds homing WAM-4 and WCAM-1 locomotives, viz.,
Bhilai, Bhusaval, Vadodara and Ghaziabad sheds.
- .ii) POH Shops of the Railways.
- .iii) CLW for locos under production and for future builds.

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- iii) If the threaded holes in the motor body or the bogie casting have become oversize or oval, use helicoil inserts to restore the effectiveness of the fastening. One such kit is available with M/s. Fastener Manufacturers Private Ltd., 4, Mandeville Gardens, Ballygunj, Calcutta-700019.

9. Distribution:

As per distribution sheet enclosed.

Encl: Sketch No. SK.EL.2870.

jsa/22-6.

T.S. Kalra
(T.S. Kalra) 22/11/78
for Director General/Elec. 17

TIGHTENING TORQUES FOR M 20 SCREWS = 25 TO 30 KGM.



