Temporary Crossarm Ratchet Strap Replacement Procedure

ELECTRICAL+INDUSTRIAL | TOOLS+TECHNOLOGIES

TMAC™ THEW & McCANN GROUP

ACTIVE INNOVATION

TQCSI ISO 9001:2015
Quality Certified
AU1313-QC-EC-SC

GENERAL INFORMATION

QUALIFIED PERSON

A qualified person is one who is familiar with the installation, construction, operation or maintenance of the equipment and the hazards involved. In addition this person is competent, trained and authorized to undertake the work involved in accordance with established safety and working procedures.

SAFETY SYMBOLS USED IN THE GUIDE

Mandatory Action **-** This symbol indicates the action must be taken to avoid a hazard. Any information that follows this symbol must be obeyed to avoid possible harm.

DESCRIPTION

The TMAC LV temporary crossarm is designed to temporarily support energised low voltage conductors at their points of attachment while a damaged permanent crossarm is replaced.

The fixed bracket is designed to be held against the pole by a ratchet strap assembly. The strap itself is subject to wear, and the mechanism may also require replacement.

These instructions are for replacement of the ratchet strap and its assembly.

PRELIMINARY

The types of fixed brackets in service are shown in Figure 1 below:

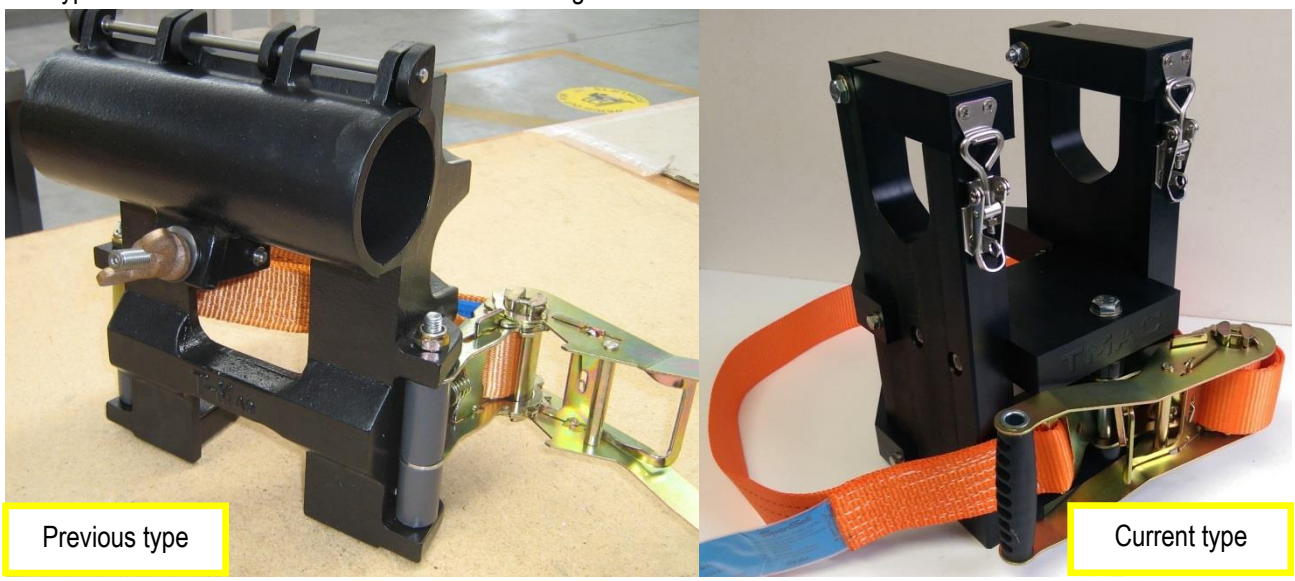

Figure 1- Types of Fixed Crossarm Brackets

Replacement of the ratchet, strap, and bolts can be done with replacement parts available from TMAC.

TM10187 - Ratchet only, 5000kg	TM10783 - Strap 1500kg c/w 4010 hook
TM00694 - High-tensile zinc plated bolts M10 x 160mm	TM12096 - High tensile zinc plated Nyloc nut

Mandatory Action - *Use only the high-tensile bolts and Nyloc nuts supplied.* ***DO NOT*** *use general purpose bolts & nuts.*

PRELIMINARY

Inspect the bracket, ratchet mechanism and strap. If there is any sign of damage, the bracket and strap assembly should be withdrawn from service and destroyed.

If the bracket itself is serviceable, replace the complete ratchet and strap assembly using replacement parts available from TMAC.

REPLACEMENT OF RATCHET STRAP ASSEMBLY

Remove the existing ratchet mechanism and dispose of all parts,

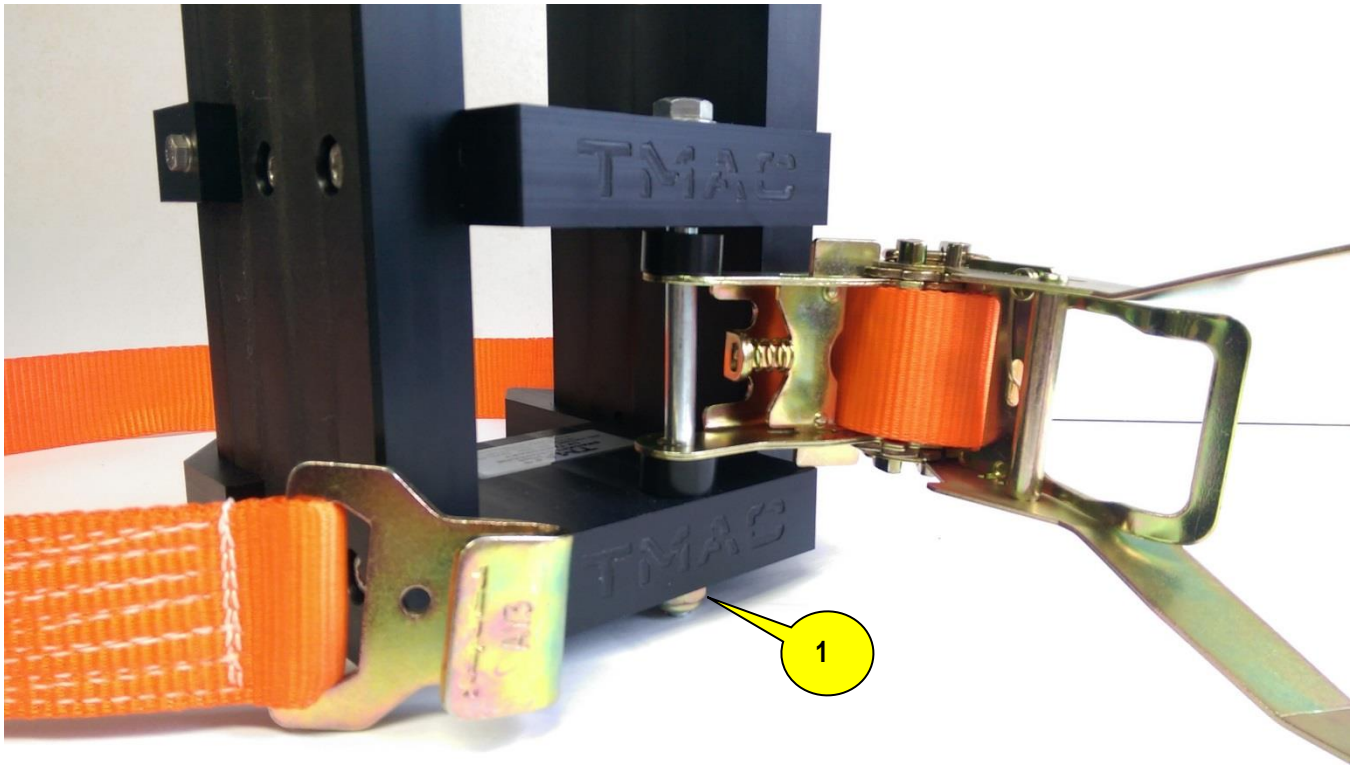

Figure 2 Replacement of ratchet assembly

1. Remove Nyloc nut, bolt, spacer and ratchet assembly, taking note of the position of the spacers
2. Replace damaged components with replacement parts available from TMAC (M10 bolt and Nyloc nut are to be high-tensile)
3. Insert the bolt, washer, spacers and ratchet assembly in the reverse order of disassembly as shown in the Figure 2
4. Secure with a new Nyloc nut
5. Check operation before returning to service

Mandatory Action - *Ensure flat side of ratchet faces the bracket.*

REPAIR

The end user must not repair or modify any component associated with this device without written permission from TMAC.

If repair is required, contact TMAC.

TMAC

45 Enterprise St Cleveland

QLD 4163 Australia

Tel: (+61) 07 3826 6000 http://www.tmacgroup.com.au/

DEFECTS / WARRANTY

DEFECTS

Goods are warranted to be free from defects. Provided they have been used strictly as recommended and subjected only to fair wear and tear, Goods (including parts within) which are found to be defective within 90 days after delivery to the Buyer will be repaired or replaced at the option of the Seller and at its expense. Repair or replacement by the Seller is the exclusive remedies of the Buyer.

WARRANTY

To the maximum extent permitted by law, the Seller makes no warranties, either express or implied, as to merchantability, fitness for purpose or otherwise with respect to the Goods other than in paragraph above and as required by statute. The Seller is not liable for any prospective profits or special, indirect or consequential damages or any general loss or damage, or for any expense resulting from use by the Buyer or others of defective Goods. The Seller's liability is limited to no more than the sale price of the Goods plus replacement delivery charges. Prior authority for the return of goods is required by the seller.

Please contact the seller by email sales@tmacgroup.com.au, phone 07 3826 6000 or fax 07 3826 6066 for claims related to defective / warranty of goods provided.

FOR THE FULL TERMS AND CONDITIONS PLEASE REFER TO TMAC "STANDARD TERMS OF TRADE"