

REPLACEMENT OF CAST PILLAR COVERS

Cast aluminium covers that are still fitted to older 900 type pillar can continue to be used but must be modified by shortening the centre tube in the cover where centre stud replacements are carried out. Refer WI 010259W03 Cross Connecting Units (CCU) Inspection Maintenance and Repair for details.

Cast aluminium covers that are still fitted to older 1800 type Pillars should be replaced using a lightweight cover as soon as practicable with a 1800 type lightweight cover (S.430/00047).

Note: The replacement cover does not have a valve core and stem included and it will be necessary to fit the valve stem and core from the old cover.

CENTRE COLUMN THREAD REPAIR

The centre column thread can be repaired, if not severely damaged, by simply running a 5/8 B.S.W. Die Nut down the thread and replacing the captive nut. (See Fig. 1. below).

CAPTIVE NUT REPLACEMENT (S.430/00024)

To replace a faulty captive nut with a new steel captive nut. See Fig. 1.

- Unlock the cap and spin the cap off.
- Unscrew the captive nut with a socket spanner (S.116/00133). For older unmodified CCUs allow the cover to rise under control.
- Lift the cover clear of the centre column.
- Remove the four top plate retaining cap screws with a 3/16" Allen key.
- Remove the top plate and captive nut, noting position of the washers.
- Replace the faulty captive nut with a new steel nut (S.430/00024) and reassemble in reverse order.

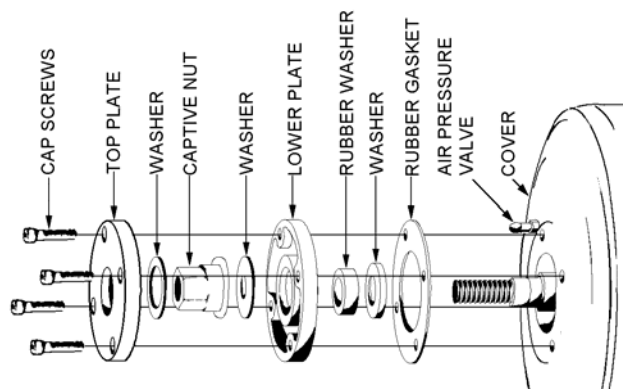


Fig. 1. Captive Nut Components

REPLACEMENT CENTRE STUD (S.430/00083)

This replaceable stud enables the replacement of a damaged thread at the top of the centre column of the current type 900 and 1800 pair pillars (S.430/00045 and 46). See Fig. 2.

Refer also (other side of this page) for details on replacement of centre stud on old pillars.

To replace the centre stud:

- Turn the hexagonal section of the stud anticlockwise using a suitable spanner.
- Leaving the lock washer in place, install the new stud and tighten firmly.

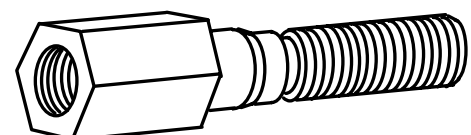


Fig. 2. Replacement Centre Stud (S.430/00083)

REPLACEMENT CENTRE STUD KIT (S.430/00084)

This kit enables the replacement of damaged thread at the top of the centre column of the older type 900 and 1800 pair cross connecting units.

The kit contains:

- Instructions.
- Replacement Stud.
- Four 2BA x 1/2 (13mm) screws.
- Garbage bag.
- Caution Label (S.148/00233).
- Drawings CL 1434, sheet 1 & 2.

Items required to perform modification:

- Replacement Centre Stud Kit (S.430/00084).
- Securing Spacing Ring and Locking Handle to Drawing CL1434, Sheet 3 (Arrange supply locally).
- Hacksaw blades (18, 24 or 32 tooth per 25mm recommended).
- Hex Key - 3/16 A/F.
- Lightweight cover. 1800 type lightweight cover S.430/00047).

INSTALLING REPLACEMENT CENTRE STUD

- Remove cap and cover entirely. Check cover to prevent it rolling away.
- Unfasten the two screws holding the latch and remove it.
- Pull the garbage bag down over the centre column until the outer tube breaks through the bag.
- Place the securing ring over the centre column. Position the locking handle in the vacant latch slot.
- Tighten the handle, locking the securing ring to the centre.
- Cut the inner column off no more than 1.5mm above the top of the outer tube. (See CL1434, Sheet 1).
- Remove the securing ring.
- Place the replacement centre stud over the outer tube.
- Position the fastening screw holes, between the jumper wire and support bars and install the screws.
- Clean the outer surface on the top of the cover with a solvent pad and attach the CAUTION label.

Note: The damper spring inside the base of the outer tube may remain in position. If the cover is an old cast aluminium type, shorten the centre tube of the existing cover as detailed in 010255W03 Sect 5.4.2 - Modification to cast aluminium covers.

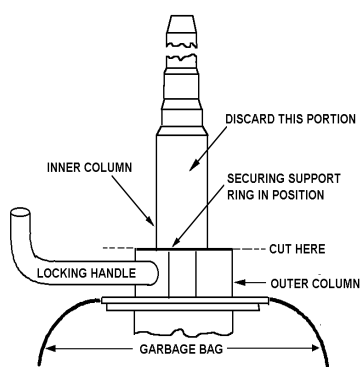


Fig. 3. Centre Stud Replacement

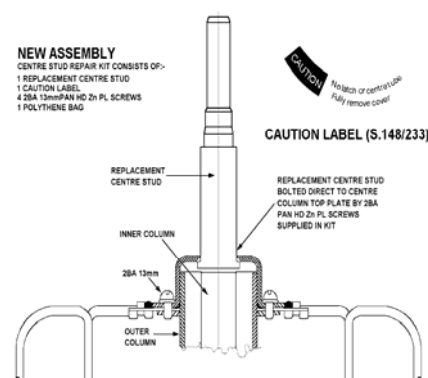


Fig. 4. New Centre Stud Assembly

References

C & C Approved Material Advice No. 9/97

Rationalisation of Cross Connection Cabinets & Pillars

WI 010259W03 Cross Connecting Units (CCU) Inspection Maintenance and Repair.