CreoScitex

VLF Trendsetter
LEC Hinge Repair Procedure

SCOPE

This document describes a field repair method that prevents the hinge rod from sliding out of the hinge assembly (57-1470C). The procedure applies to all Trendsetter VLF machines installed in the field and should be carried out by qualified CreoScitex service personnel.

TOOLS REQUIRED

Center punch

Electric drill and drill bit (3.3mm)

Tap (M4) and tap handle

Setscrew (M4x6)

Allen key (2mm)

Loctite 242

Slip sheet

STEP 1

Make sure that the hinge rod is flush with the hinge as shown in Fig.1. Tap the rod in flush, if required.

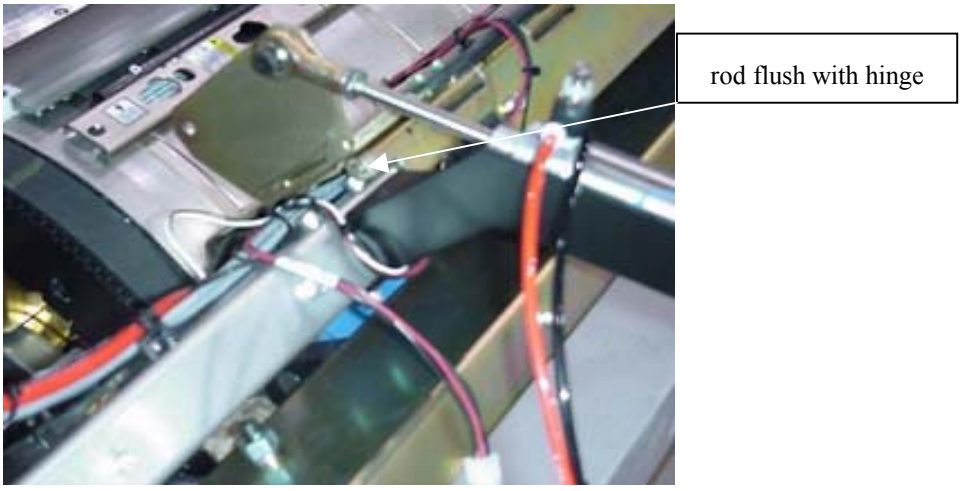


Fig.1

STEP 2

Mark a hole on the hinge top (drive pulley side of the engine) with a center punch as shown in Fig.2.

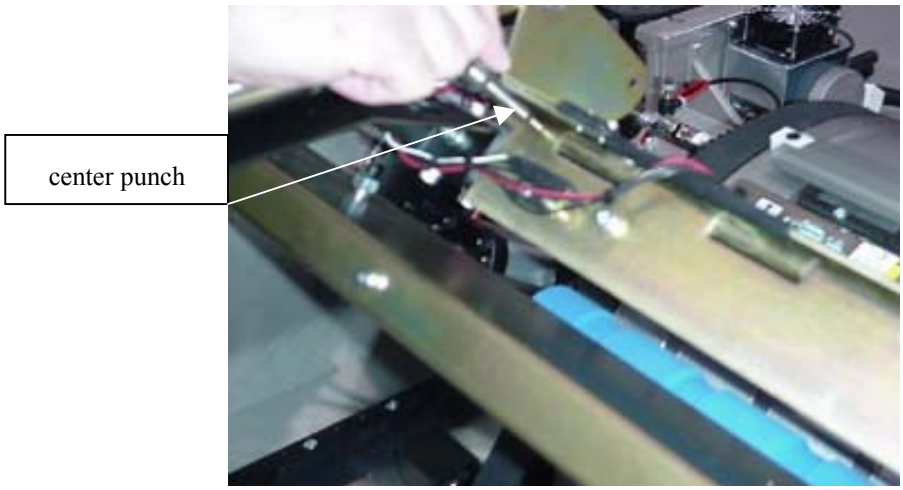


Fig.2

STEP 3

Mask off the components under the TEC assembly with a slip sheet. Drill a 3.3mm hole, 6mm deep, through the hinge and into the hinge rod as shown in Fig.3. Do not drill all the way through the hinge rod.

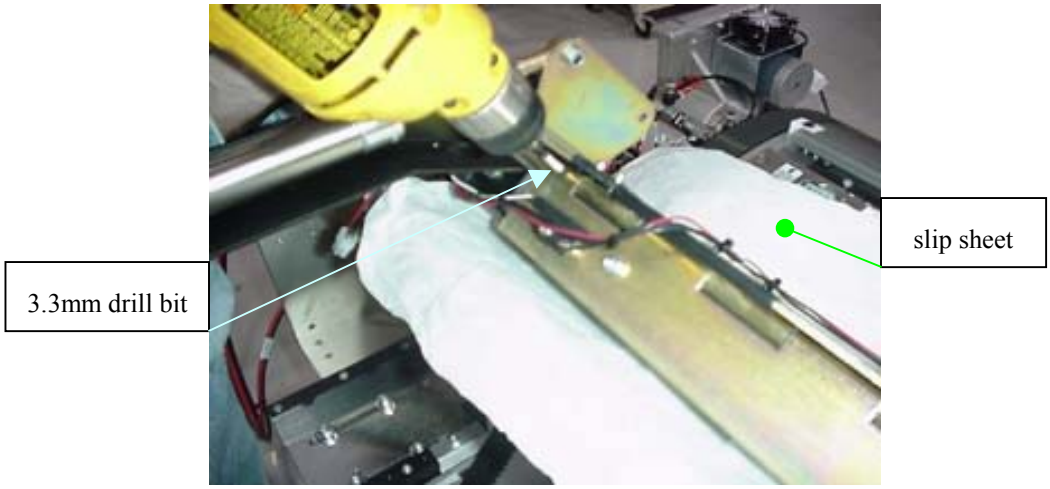


Fig.3

STEP 4

Clean out the hole after drilling and tap it M4 making sure the tap is perpendicular to the hole (Fig.4).

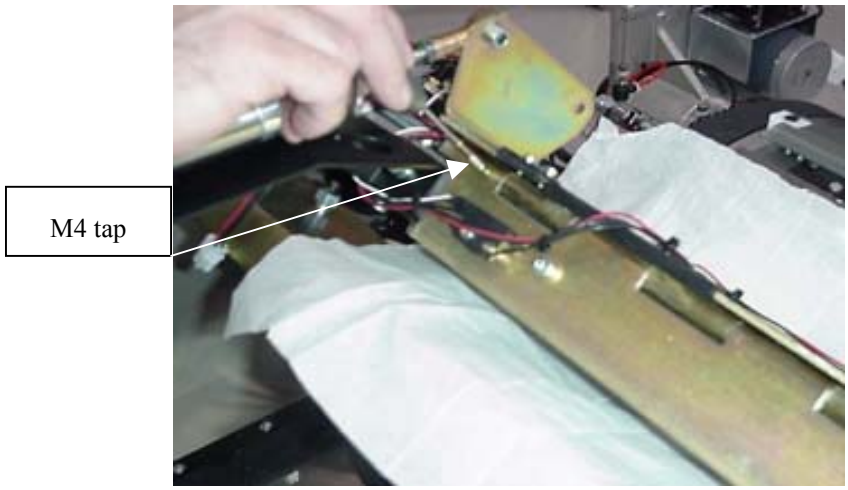


Fig.4

STEP 5

Clean out the hole after tapping and install an M4x6 setscrew (Creo part # 52-3148). Use Loctite 242 to secure the setscrew in place.

Important: Make sure the setscrew is flush with the top surface of the hinge (Fig.5) or else it will interfere with the LEC flap when in the "off" position.

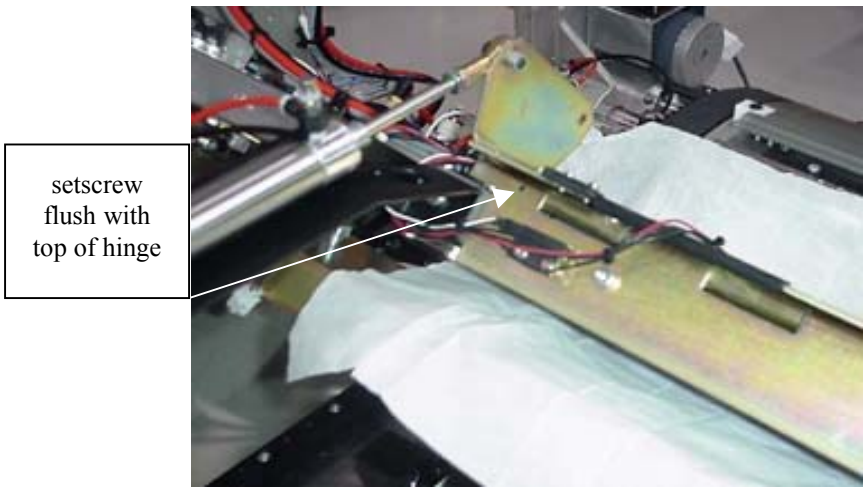


Fig.5

Carefully remove the slip sheet and clean any remaining debris from drilling and tapping.

Note: Lubrication of the hinge assembly with light machine oil is recommended.