

Inspection of Kestrel Landing Flap Cable

Following the failure of a landing flap cable on a 19 metre Kestrel glider the following inspection is called for to ensure that no bending loads are being applied to the cable ends.

The arrangement at the ends of the flexible drive cable are as shown in Figure 1.

1. Check that at the aft end of the cable the bracket "B" does not foul on the lever "A", thus trying to bend the threaded portion of the cable.
2. Disconnect both ends of the cable from the levers and ensure that movement of the uniball is free and not liable to cause extraneous loading of the cable ends during normal movement of the levers.

If any of the above checks has lead to doubts about the state of the cable, the cable should be replaced or at least crack tested by an approved method. Any signs of bending or deformation of the threaded portion at the end of the cable will necessitate renewal of the cable.

When replacing the cable, if this is necessary, do not over tighten the nuts holding the bracket "B" to the cable.

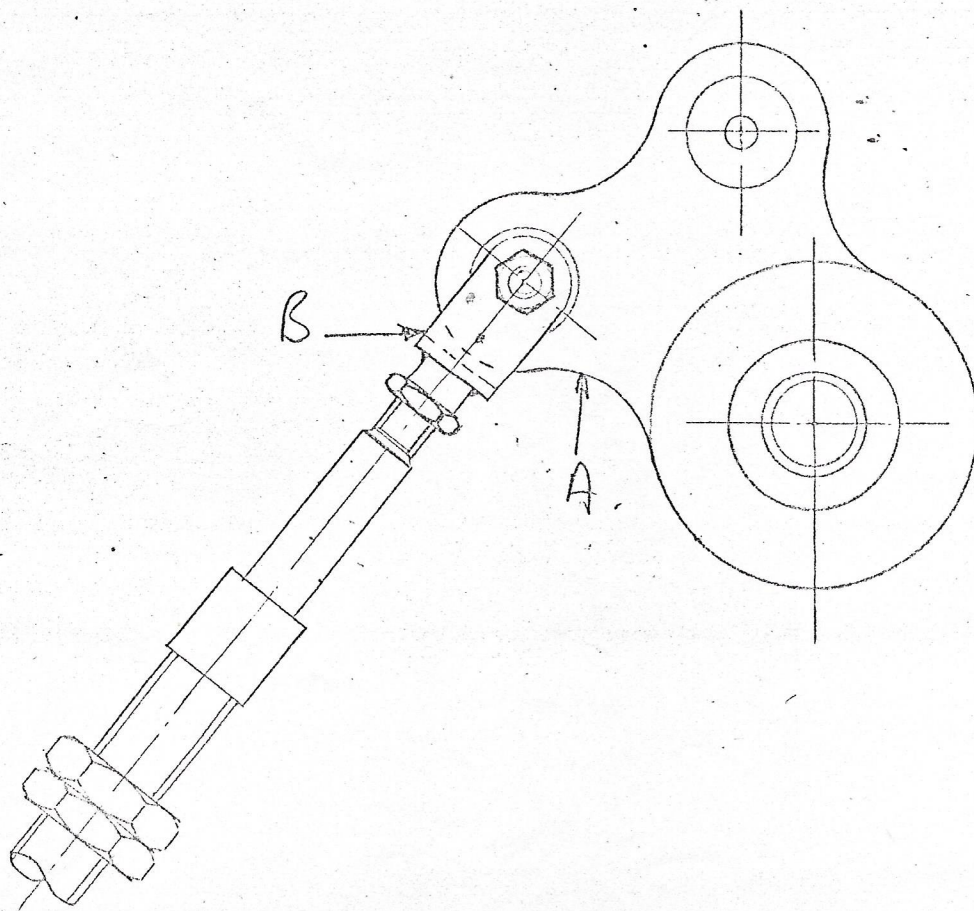


FIGURE 1.