

Section 8 Installing the COMPULOAD 4000 (cont.)

8.3 FITTING THE MAGNETICALLY OPERATED LIFT SPEED SENSOR SWITCH (Lift speed compensated and Trigger mode)

9 3/4" to 30"

0.4" to 0.6"

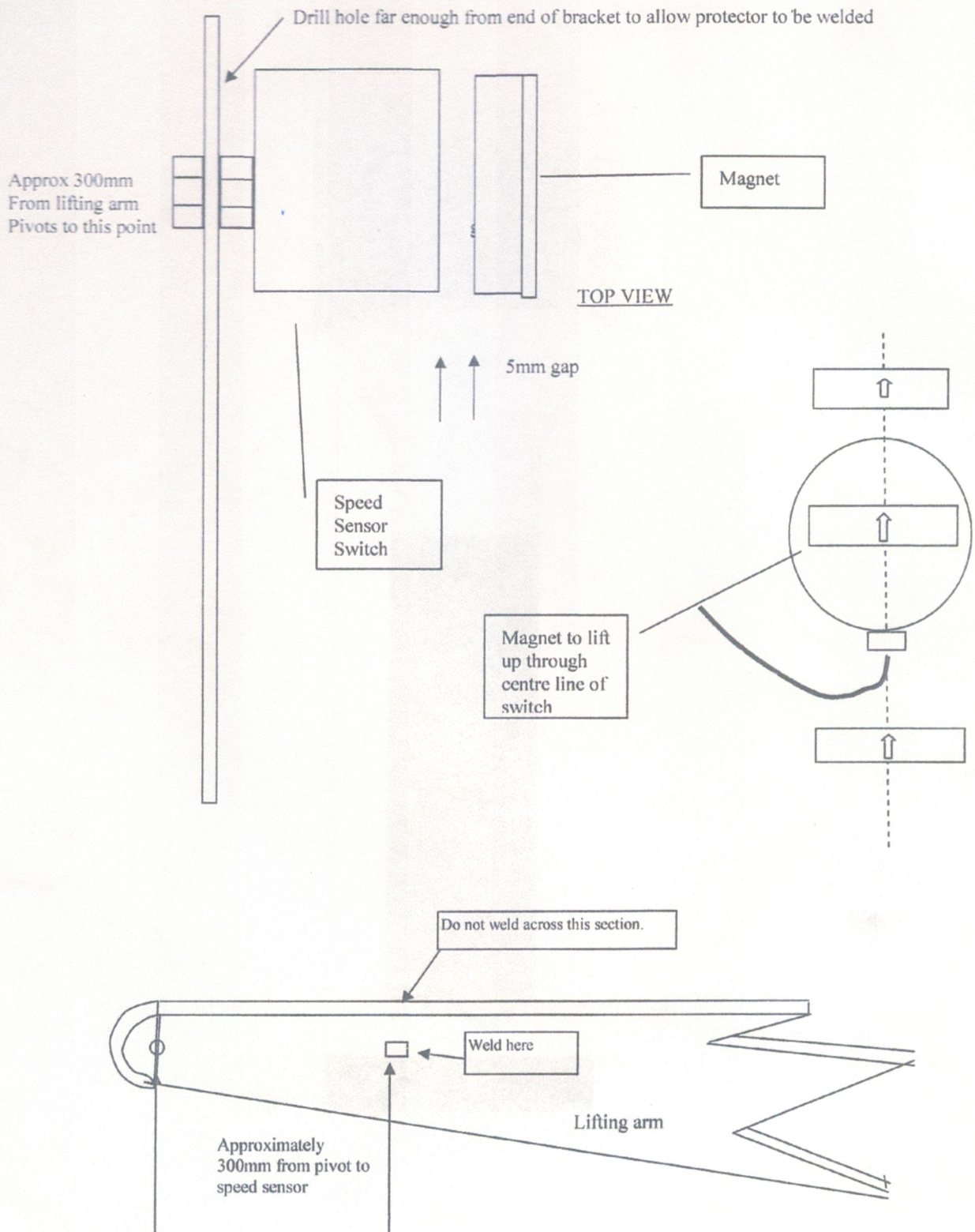
Firstly establish a weighing point. Raise the loader lifting arms up approximately horizontal to the lifting arm pivot points. Using a suitable bracket, mount the switch and magnet approximately 250mm - 750mm out from the pivot points with 10mm - 15mm clearance between the switch and the magnet. The magnet is to pass the switch on the blank face (opposite the cap) The magnet is to pass the switch on the lift cycle when the lifting arms are at approximately the horizontal point. (bucket at eye level from drivers seat) The switch is mounted with the cable and cable flange pointing downwards and usually slightly forward. The magnet is to be mounted at 90° to the centre line of the switch. See drawing next page Raise the lift arms up and down to ensure the switch and magnet do not foul the machine components before final welding.

NOTE DO NOT weld across the top of the lifting arm. Wherever possible weld the magnet bracket to the side of the lifting arm or lengthways along the top of the lifting arm.

8.4 ESTABLISHING A WEIGHING POINT (Static mode)

When weighing in the static method a predetermined weighing point must be established. This is done by either. a). welding a pointer to the machine or b). adjusting the detent lift cutout so that the lifting arms stop lifting at a predetermined point. The weighing point should be when the loader arms are approximately horizontal to the loader arm pivot points.

DRAWINGS SHOWING SPEED SENSOR AND MAGNET MOUNTING



8.5 WIRING OF THE COMPULOAD 4000 AND COMPONENTS