Budenberg

GAUGE CALIBRATION KIT FIG 90 and FIG 91

ADJUSTING PRESSURE GAUGES

If a pressure or vacuum gauge is found, on test, to be reading incorrectly, it is often a fairly simple matter to adjust it providing the inaccuracy is not caused by any serious defect. If the error is constant throughout the scale this can be put right by removing the pointer and replacing it at the correct position. The pointer should be removed with a pointer remover (Fig. 90) and care taken not to bend the tapered spindle. Two alternative screws are provided. The screw with the fine point should be used for gauges with fine spindles such as receiver gauges and small gauges.

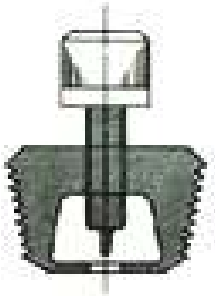

FIG. 90

When replacing the pointer the pressure marked at the first main division should be applied and the pointer pushed on the spindle with the fingers as closely as possible to the correct setting. Before it is finally secured, by tapping onto the tapered spindle with the pointer punch Fig. 91 and a light hammer, it is advisable to check the readings at two other pressures and to make sure that the mechanism is running freely.

FIG. 91

If the error is not constant it will be necessary to adjust the magnification ratio of the movement and to do this the dial will have to be removed. If the readings become progressively lower the adjustment should be moved towards the centre and away from the centre if they become higher.