

HMI Exhaust Alert System

O.E.M Fitting Instructions

Sensor Installation

Remove the exhaust hose from the engine by releasing the circular retaining clips and carefully prising the hose off the adjacent piping.

Using a sharp drill, drill a 10mm ($\frac{3}{8}$ inch) diameter hole in the upper half of the exhaust hose, as close to the 12 o'clock position as possible and approximately 75 - 100mm (4 inch) behind the end of the exhaust stub projection inside the hose.

Tidy up the edges of the hole with a sharp knife if necessary.

Identify the correct components from Fig. 1 below.

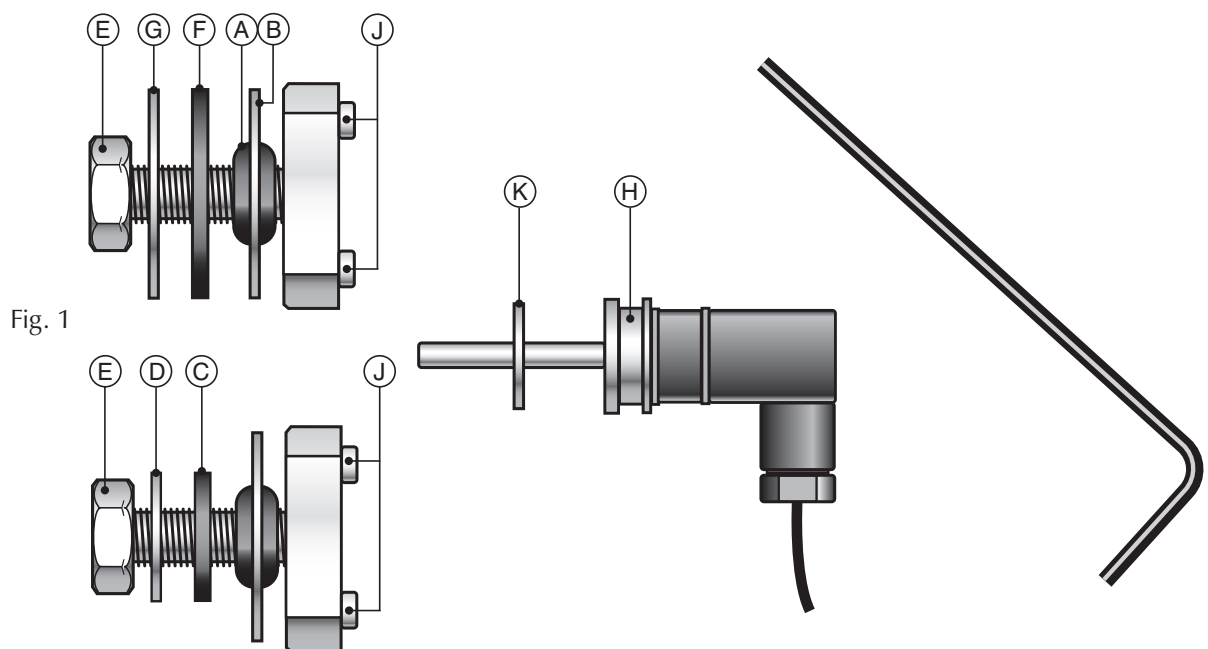


Fig. 1

Fit rubber grommet **A** into the centre of one of the large penny washers **B**. (A smear of soap or silicon sealant may help here.)

Smear both sides of the washer/grommet with silicon sealant and screw the combination onto the thread of the sensor until the grommet fits snugly against the underside of the insert base **J**.

Smear the area immediately around the hole, both inside and out, with a generous amount of the silicon sealant supplied.

Push or screw the sensor insert through the hole in the exhaust hose.

Measure the internal diameter of the exhaust hose.

If it is less than 76mm (3 inch) slip small rubber washer **C** over the end of the probe, followed by the small stainless steel washer **D** and stainless locking nut **E**.

Tighten the nut securely, holding the outside of the insert with an appropriate spanner, taking care not to displace or unduly distort the inner rubber washer. The nut is self-locking and will be stiffer to turn than a normal nut.

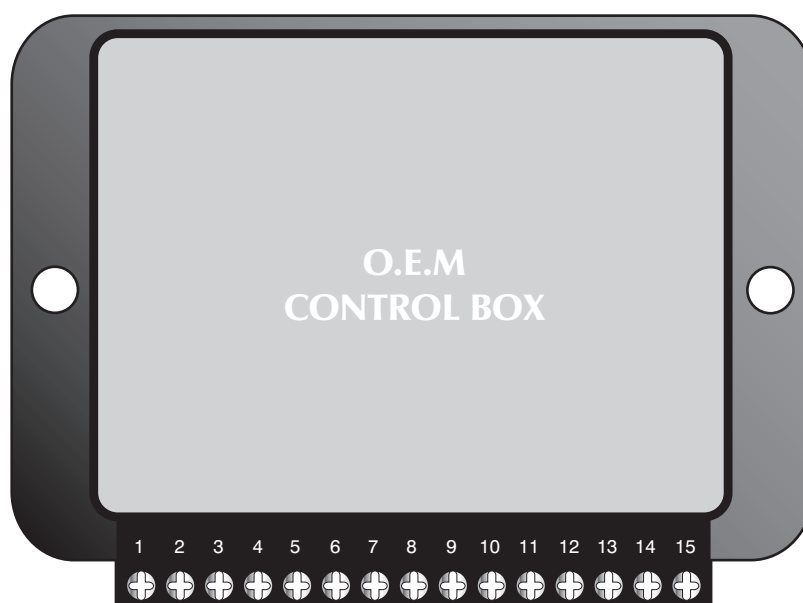
If the internal diameter is 76mm (3 inch) or more, slip the large rubber washer **F** over the end, followed by the large stainless steel washer **G** and stainless locking nut **E**.

Fit the sensor probe **H** into the insert, making sure that the small rubber washer **K** is located inside the insert body.

Insert the sensor probe ensuring that the two cutouts locate over the small screws **J**. Turn the sensor probe 90° and secure the two screws **J** using loctite and Allen key provided.

O.E.M Control Box Wiring Installation

Terminal	Operation
1	Port main engine ignition positive
2	Starboard main engine ignition positive
3	Generator ignition positive
4	Ignition negative's
5	Lamp port engine positive
6	Lamp starboard engine positive
7	Lamp generator positive
8	Siren positive
9	Siren/lamp negative's
10	Generator sensor positive
11	Generator sensor negative/screen
12	Starboard sensor positive
13	Starboard sensor negative/screen
14	Port sensor positive
15	Port sensor negative/screen



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