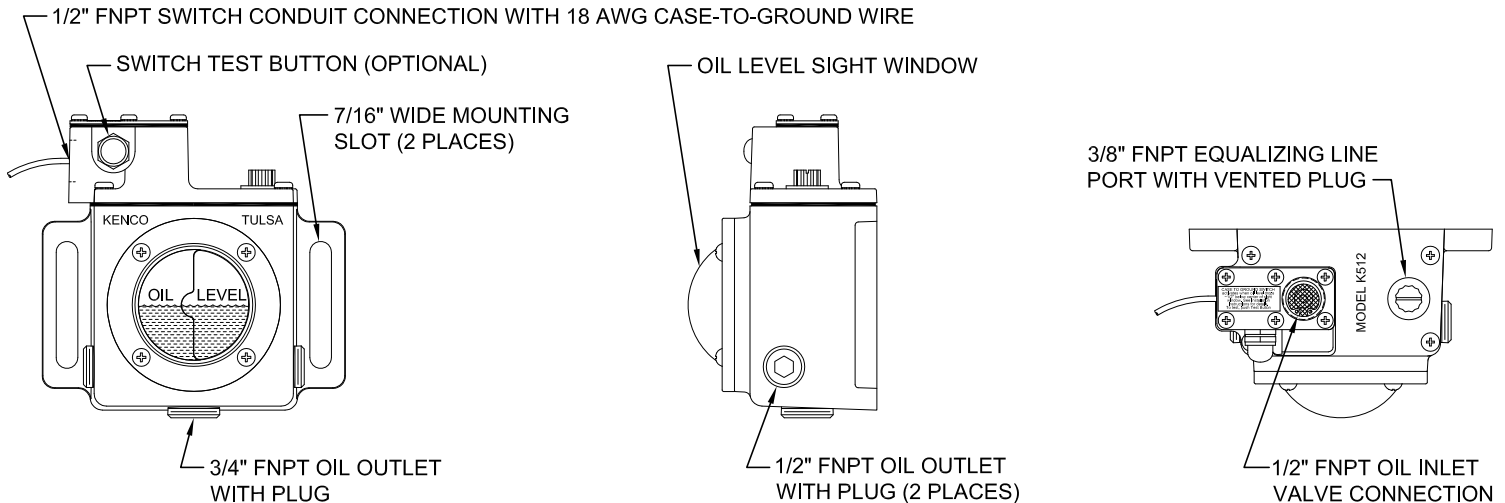




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INSTALLATION INSTRUCTIONS FOR K512 / K512-TB / K512HL / K512HL-TB OIL LEVEL CONTROLLERS



SWITCH CONTACT RATING: 2 AMPS, 30 VAC/VDC

SWITCH CIRCUITRY: Normally Open Case-to-Ground

SWITCH WIRING NOTE: Attach the wire from the controller to the low tension terminal on the magneto or other source of grounding.

SWITCH SETTING (K512 / K512-TB): Switch is factory set to close when the oil level inside the controller drops approximately 1/2" below the center of the sight window.

SWITCH SETTING (K512HL / K512HL-TB): Switch is factory set to close when the oil level inside the controller drops approximately 1/2" below the center of the sight window or when the oil level inside the controller rises approximately 1/2" above the center of the sight window.

SWITCH ADJUSTMENT (K512 / K512-TB): Switch adjustment is not recommended. Improper setting may result in damage to engine. If adjustment is necessary, refer to FIGURE 1 and the following instructions:

- Ensure that switch circuit is not energized.
- Remove the switch terminal cover plate (A) by unscrewing six screws (B).
- Remove wire terminal and hexagon nuts from slotted set screw (C).
- Rotate the slotted set screw (C) clockwise to raise the switch trip point and counterclockwise to lower the switch trip point. (Note: One complete revolution of set screw changes its height 1/32").
- Replace wire terminal, hexagon nuts, and switch terminal cover plate.
- Test circuit to ensure that desired switch set point was achieved.

SWITCH ADJUSTMENT (K512HL / K512HL-TB): Switch is not adjustable. Refer to FIGURE 2.

SWITCH TEST BUTTON OPERATING INSTRUCTIONS:

- To check wiring circuit or system response to an improper oil level condition, Press and Hold Test Button. This will close the switch case-to-ground circuit.

SWITCH TEST BUTTON / CONTROLLER COVER PLATE REMOVAL INSTRUCTIONS:

- If the oil level controller cover plate assembly has to be removed for any reason, the Test Button assembly must be removed to allow access to the oil level controller cover plate assembly mounting screw that is located on the corner underneath the Test Button.
- Unscrew the Test Button using a deep 5/8" socket. Make sure the socket completely covers the Test Button and not just the rubber boot. If the rubber boot is inadvertently removed, care must be taken to ensure that the return spring and actuation pin are not lost.

SWITCH TEST BUTTON REPLACEMENT INSTRUCTIONS:

- Before installing the Test Button, check the O-ring seal for any damage. If damaged, replace the O-ring seal.
- Install the Test Button using a deep 5/8" socket. Do not over tighten. A snug fit is all that is required to retain the Test Button and provide a watertight seal.

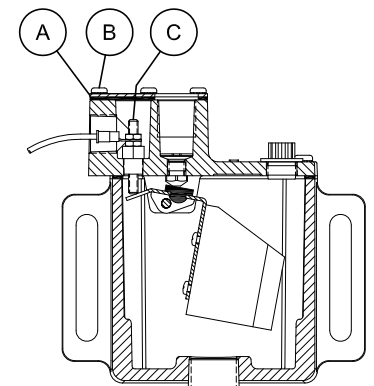


FIGURE 1
(K512 / K512-TB)

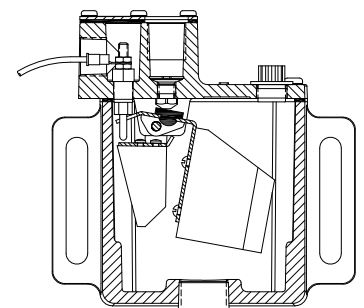


FIGURE 2
(K512HL / K512HL-TB)