

10260A series Non-Contact Sensor & Input/Output Kit Upgrade Instructions 51205568-501 through 506

Document Number

Form: 62-86-33-14

Effective: 5-27-99

Supersedes: None

Summary

These kits contains a new non-contact sensor, output card; and associated hardware. Some kits contain a motor positioner card. Disregard the instructions that come with those items; use only these instructions.

Procedure

See Table 1 for procedure.

WARNING

Disconnect power before accessing components inside the instrument.

ATTENTION

When working with circuit cards always protect against electrostatic discharge by wearing a grounded wrist strap.

Table 1 10260A Non-Contact Sensor Installation Procedure

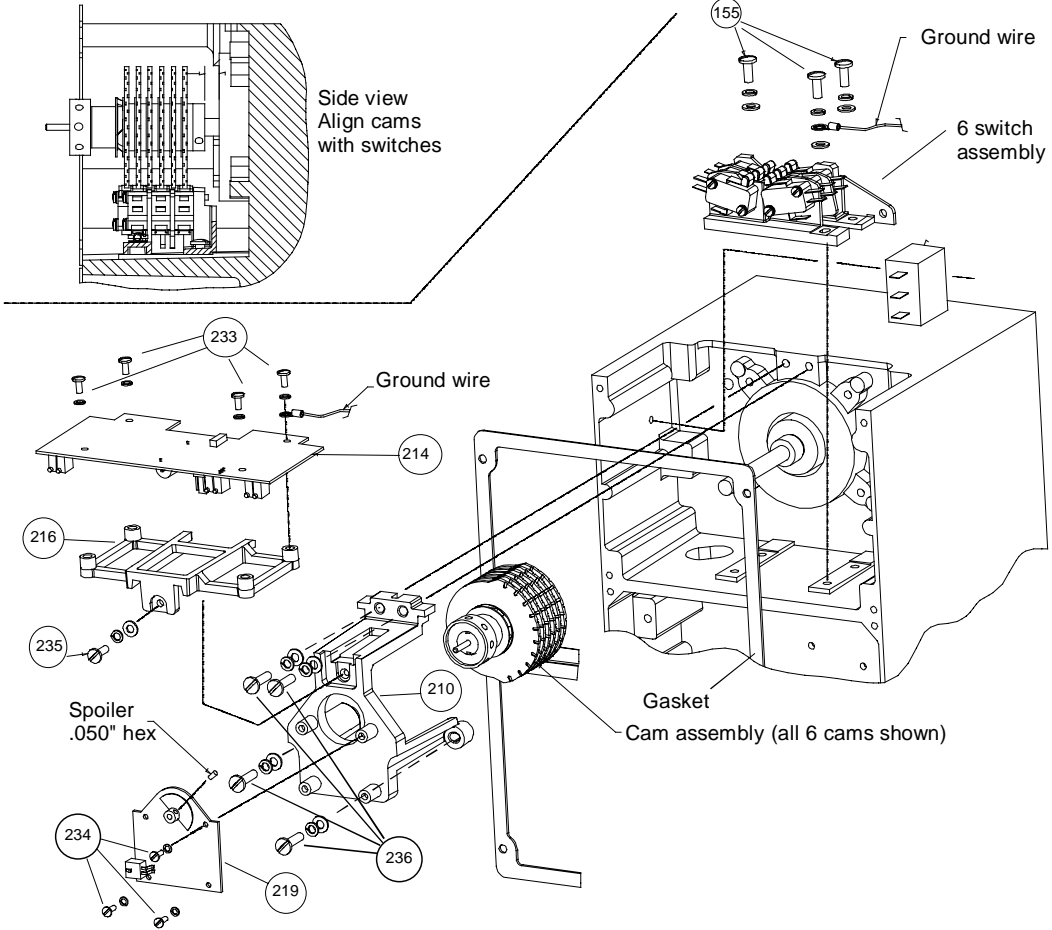
Step	Action
1	Remove all 3 covers (top, 2 rears)..
2	<p data-bbox="358 384 805 411">Install non contact sensor and bracket:</p>  <p data-bbox="659 1371 1130 1398">Figure 1 Exploded view of top compartment</p> <ul data-bbox="358 1419 1404 1549" style="list-style-type: none"> • Attach bracket (210) using 4 screws (236) and washers. It is suggested you use a screwdriver that grips the screws to prevent dropping them. Do not use a magnetic screwdriver; you can damage the sensitive electronics nearby. • Attach NCS sensor card (219) to bracket with 4 screws (234) and washers.

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Step	Action
3	<p>Install motor positioner card, if applicable:</p> <ul style="list-style-type: none">• If using existing motor positioner card, leave that card's J1 and J2 wiring as is. <p>If adding motor positioner card:</p> <ul style="list-style-type: none">• If adding or replacing a positioner card, remove the old card (if applicable), install the new card (51404978) inside the back cover using the 4 screws to secure it.• If only one 12-terminal connection block is present on the terminal plate, install the second terminal block on the terminal plate using the 2 screws (004454), 2 lockwashers (001574) and 2 nuts (003218) provided.• On the motor positioner card connect cables 51404992 to J1 and 51404923 to J2.• Keep the pair of wires with the Molex connector (the one that is not the ring lugs) in the upper compartment. This connector will be installed later. Feed the remaining wires through the hole in the casting leading to the lower compartment.• Connect the ring lugs on 51404922 to two unused terminals for the 4-20mA Input (brown (-) and red (+). It is suggested that terminals 23 and 24 should be used.• Connect ring lugs on 51404923 black to the "Hot" terminal and gray to the "Neutral" terminal.• Connect the green wire lug to the chassis ground on the transformer assembly plate.
4	<p>Install output card:</p> <ul style="list-style-type: none">• See Figure 1. Attach output card (item 214) to frame (216) using 4 screws and washers (233)

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Step	Action
5	<p>Connect wiring to output board:</p> <ul style="list-style-type: none"> Connect wires to output card as in Figure 2. Wiring depends on options being installed, as shown. For CE units, attach any existing ferrite clamps as before. <p style="text-align: center;">Figure 2 Wiring connections</p>
6	<p>Attach output board:</p> <p>Attach output board (Figure 1, item 214) and frame (item 216) to NCS bracket (item 210) using screw (item 235) and washers.</p>
7	<p>Calibrate non-contact sensor, motor positioner board, output board:</p> <p>See document 62-86-25-06, 10260A Series Actuators with Non-Contact Position Sensing Installation, Operation and Maintenance Manual. Refer to calibration section.</p>
8	<p>Regasket all covers.</p>
9	<p>Reattach all covers.</p>