

TECHNICAL INSTRUCTION LETTER

SUBJECT

Fryer Enhancement Replacing Existing Spark Ignitor Module with Delay and Wiring with a Spark Ignitor Module, Ignition Cable and Delay on Make Relay.

(Conversion Kit #12D038)

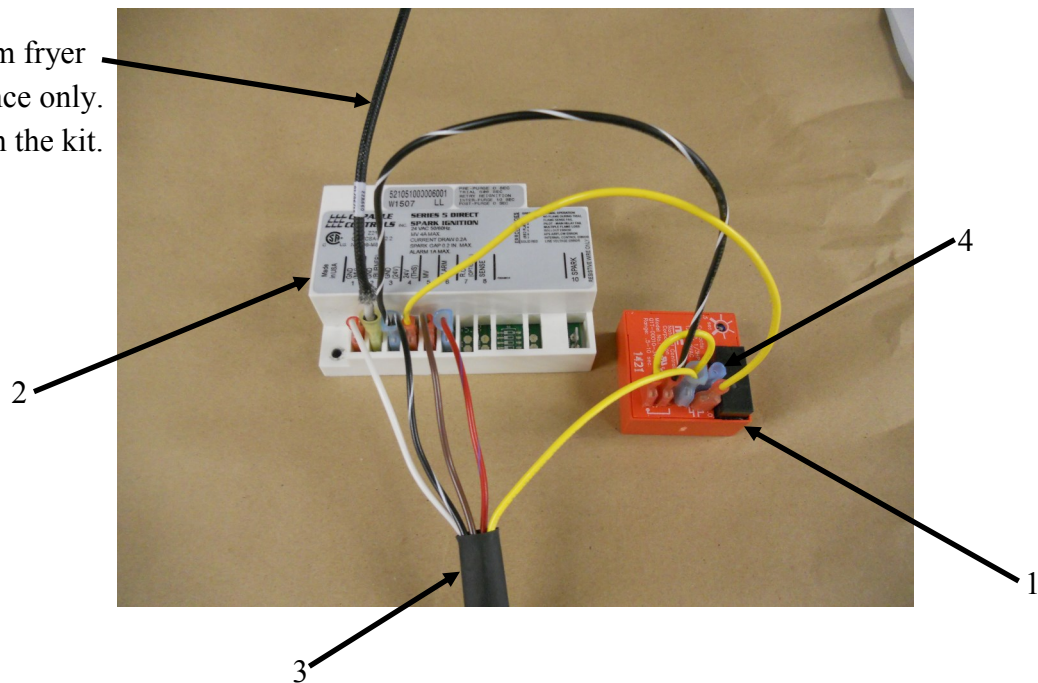
I. Purpose :

- A. This document details the procedure for adding a Spark Ignitor Module, Ignition Cable and Delay on Make Relay. The new Delay on Make Relay will be factory set with a 4 second delay.

II. New Parts Identification :

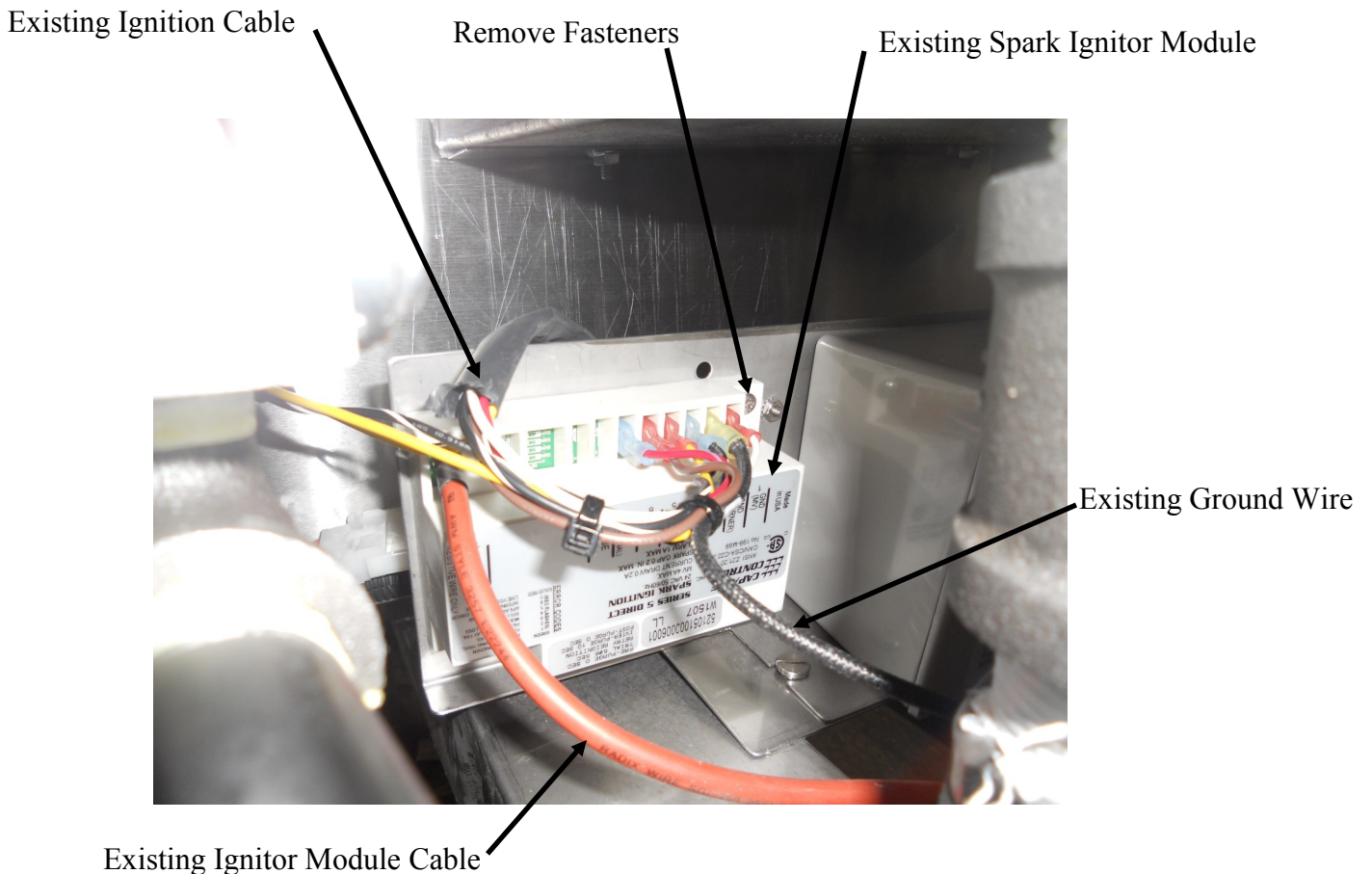
1. Delay On Make Relay, 24V AC Set to a 4 Second Delay
2. Spark Ignitor Module w/o Delay
3. Ignition Cable P3
4. Sta-kon, 14-16 Str
5. 8-32 x 1 1/4 Hex Machine Screw (Not shown)
6. 8-32 Keps Nut (Not Shown)

Ground Wire from fryer shown for reference only. Not included with the kit.



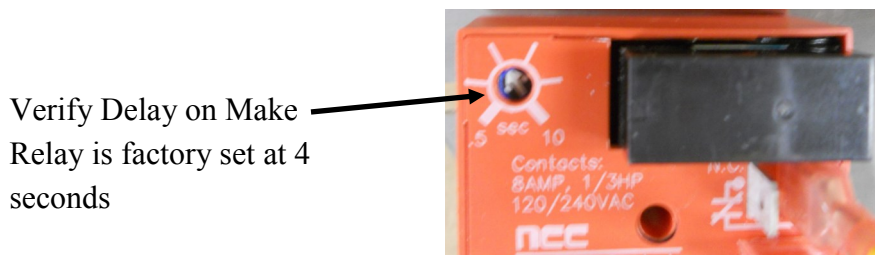
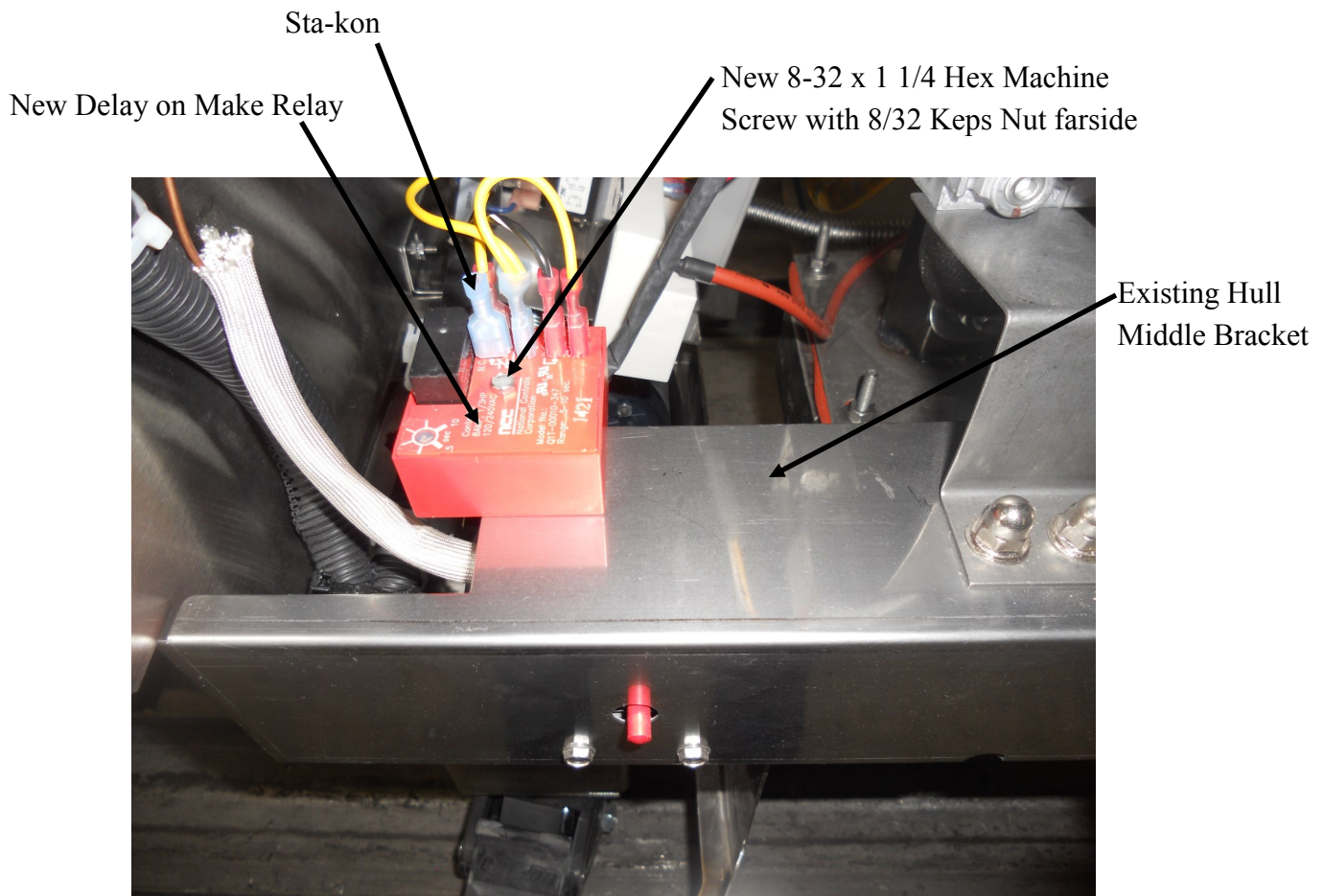
III. Procedure to Remove Existing Parts:

- A. Note the location of the existing cable tie-wraps. Remove the cable tie-wraps.
- B. Disconnect the existing Ground Wire.
- C. Disconnect the existing Ignitor Module Cable.
- D. Remove and discard the existing Ignition Cable connected to the existing Spark Ignitor Module.
- E. The existing Spark Ignitor Module is located on the power box bracket as shown. Remove and discard the existing Spark Ignitor Module by removing the two (2) fasteners. Do not discard the fasteners.



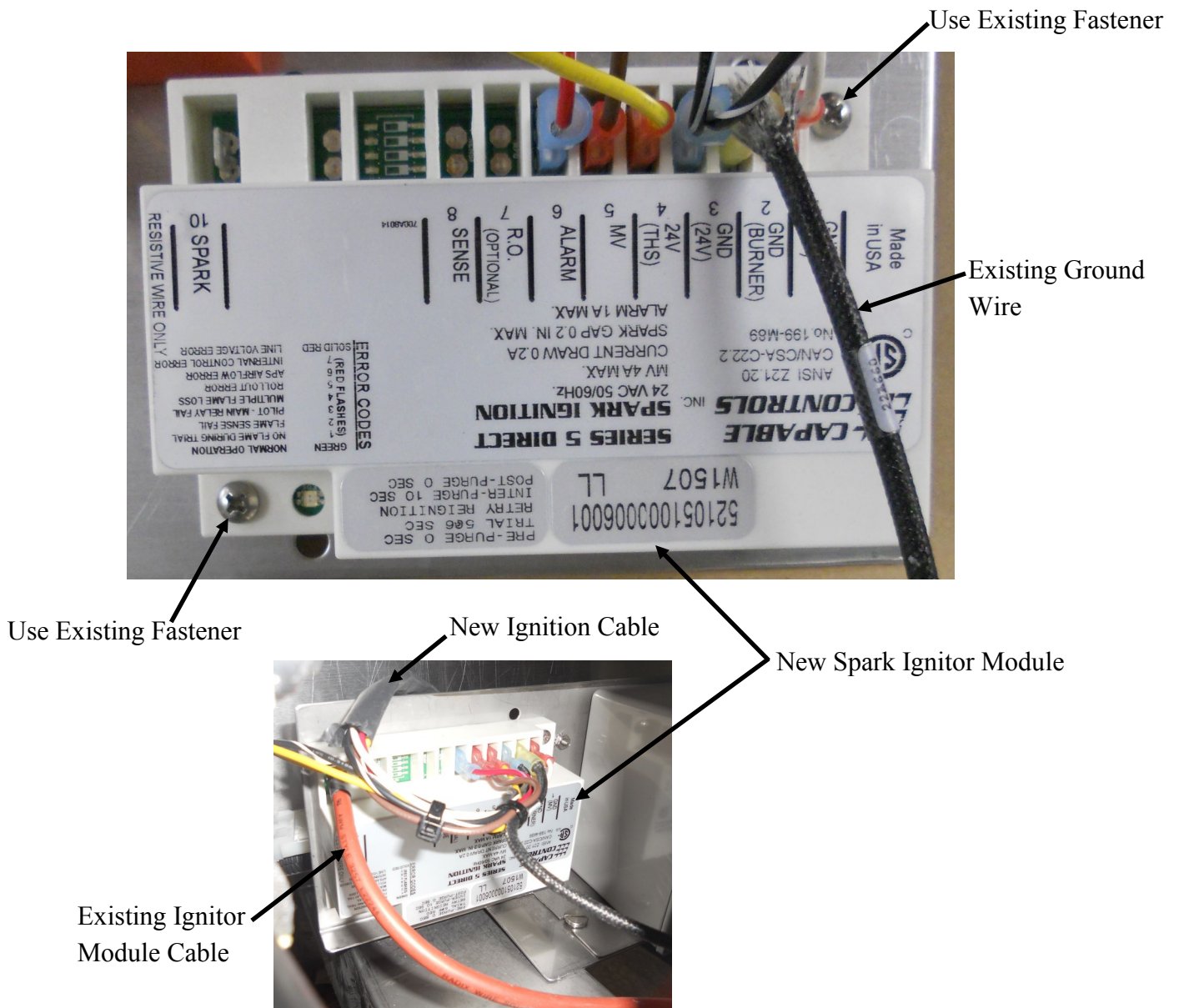
IV. Procedure to Install New Relay:

- A. Install the new Delay on Make Relay as shown on the existing hull middle bracket using the 8-32 x 1 1/4 hex machine screw and 8/32 keps nut provided. Use the existing hole on the hull middle bracket.
- B. Verify Sta-kon is factory installed as shown in the N.C. position on the Delay on Make Relay.
- C. Verify Delay on Make Relay is factory set at 4 seconds as shown.



V. Procedure to Install New Spark Ignitor Module and New Ignition Cable:

- A. Install the new Spark Ignitor Module in the same location and orientation as the old module using the two (2) existing fasteners from the old module.
- B. Install the existing Ground Wire as shown to position 2.
- C. Install existing Ignitor Module Cable as shown to position 10.
- D. Install the new Ignition Cable male 5 pin connector into the existing female connector that was used for the old cable. (Connectors not shown).
- E. Install new cable tie-wraps in the same previous locations.



VI. The conversion kit wires are pre-installed in the factory. The procedure below explains how to install the wires if they are not pre-installed or if they are loose:

- A. Install White wire to Module position 1.
- B. Install Black/White wire to Module position 3. Install 12" Black/White wire to Delay on Make Relay as shown.
- C. Install Brown wire to Module position 5.
- D. Install Red/Vio wire to Module position 6.
- E. Install Yellow wire to Delay on Make Relay as shown. Install 3" yellow wire to Delay on Make Relay as shown.
- F. Install 10" Yellow wire from the N.O. position on the Delay on Make Relay to Module position 4.

Ground Wire from fryer shown for reference only. Not included with the kit.

