K5265-1 FRONTIER
WIRELESS REMOTE CONTROL KIT

WARNING

MOVING PARTS can injure

- Stop Engine and disconnect negative cable from battery before installing this kit or servicing machine.
- Only qualified personnel should install, or service this machine.

WARNING

ELECTRIC SHOCK CAN KILL

- Disconnect input power before servicing.
- Do not operate with covers removed.
- Do not touch electrically live parts.
- Only qualified persons should install, use or service this equipment.

BATTERY PRECAUTIONS

Batteries contain flammable substances such as lithium or other organic solvents, which may result in overheating, rupture, or combustion. Failure to read and follow the below instructions may result in fire, personal injury, and damage to property if charged or used improperly.

Handling and storage

- Battery is not serviceable or replaceable. Do not attempt to replace.
- Do not short circuit, disassemble, deform, or heat batteries.
- Never attempt to charge a visibly damaged or frozen battery.
- Do not use or charge the battery if it appears to be leaking, deformed, or damaged in any way.
- Do not solder directly onto batteries.
- Do not leave the battery in the charger once it is fully charged.
- Store in a cool location. Keep batteries away from direct sunlight, high temperature, and high humidity.
- Immediately discontinue use of the battery if, while using, charging, or storing the battery, the battery emits an unusual smell, feels hot, changes color, changes shape, or appears abnormal in any other way.
- Keep batteries out of reach of small children. Should a child swallow a battery, consult a physician immediately.

STOP
START
1
2
MODE
CONFIRM
3
4
CONNECT
5
6
LINCOLN
ELECTRIC

Remote Specifications

Type of Battery	Internal, rechargeable lithium-ion battery
Max. number of registered recievers	4
Max. number of PIN codes	8
Radio frequency band	903.0125-926.9875
Number of frequency banks	15
Radio frequency output power	EIRP: < 0 dBm (1 mW)
Operating Time	Approximately 16 hours
Charge	Charge Plug on back of remote
Charger	Included AC adapter
Charging Time	Approximately 4 hours with an empty battery
Operating Temperature	-4 … +130 °F (-20 … +55 °C)
Charging Temperature	+32 … +113 °F (0 … +45 °C)
Long term Storage Temperature	+23 … +95 °F (-5 … +35 °C)
Dimensions	6.3 x 3 x 1.4 in. (160 x 76 x 37 mm)
Weight	0.6 lbs (295 g)

Regulatory Information

North America - FCC AND IC STATEMENTS

FCC: This product is in compliance with Part 15 of the FCC rules.
IC: This product is in compliance with Industry Canada's license-exempt RSSs.

FCC/IC LABEL PLACEMENT

The FCC/IC label is placed on the radio module. The radio module is fitted inside the receiver.

Disposal

- Do not incinerate or dispose of batteries in fire.
- Do not place used batteries in the household waste. Dispose of used batteries in accordance with the applicable regulations and legal requirements.
- Batteries that have been disposed of incorrectly may short circuit, causing them to become hot, burst, or ignite.

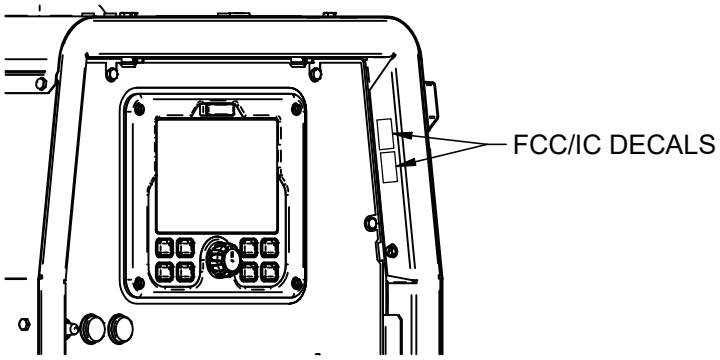
ITEM	PART NO.	DESCRIPTION	REQ
1	L18514PRINT	INSTALLATION INSTRUCTIONS	1
2	M28004	WIRELESS REMOTE ASSEMBLY	1
3	S24739-50	STAINLESS STEEL SCREW	4
4	T13770-2	CABLE TIE	1

TOOLS REQUIRED
- 3/8" SOCKE & RATCHET DRIVER
- 1 2" SOCKET
- A JUSTABLE WRENCH
- (OP IONAL) ELECTRIC DRILL/DRIVER

Installation Instructions:

WARNING! DO NOT open engine drive covers or work inside machine with battery connected.

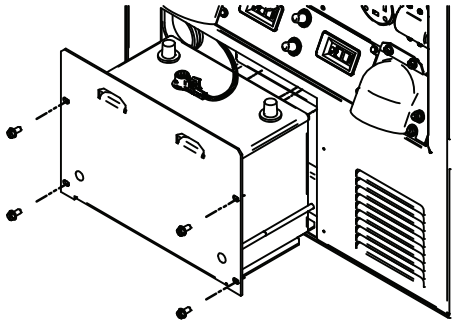
1. The remote and receiver each come with a silver FCC/IC Decal. These decals must both be attached to the front of the engine driven welder.



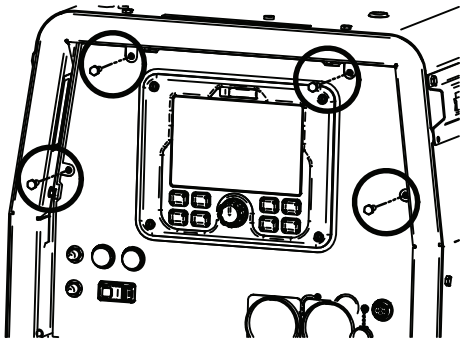
Installation Instructions (Cont.):

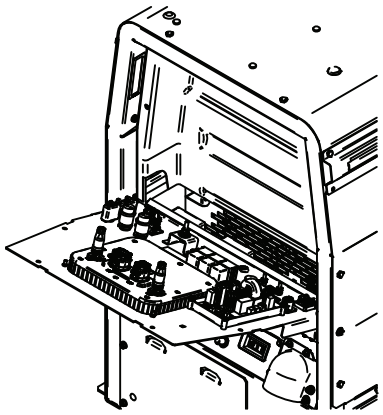
WARNING! **DO NOT** open engine drive covers or work inside machine with battery connected.

2. Using a 3/8” socket, remove the 4 screws securing the battery tray.
3. Slide out the battery tray.
4. Using a 1/2” socket, loosen, remove, and isolate the negative battery cable connection.

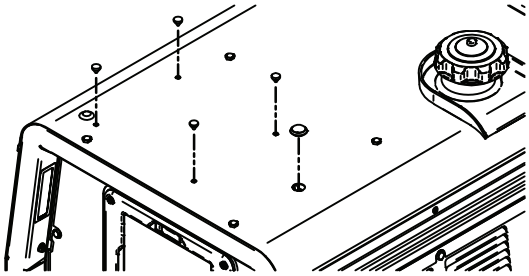


5. Use a 3/8” socket to remove -4- screws securing the front control panel, flip the panel down, and remove the plastic splash guard inside. Save screws and splash guard for reassembly.





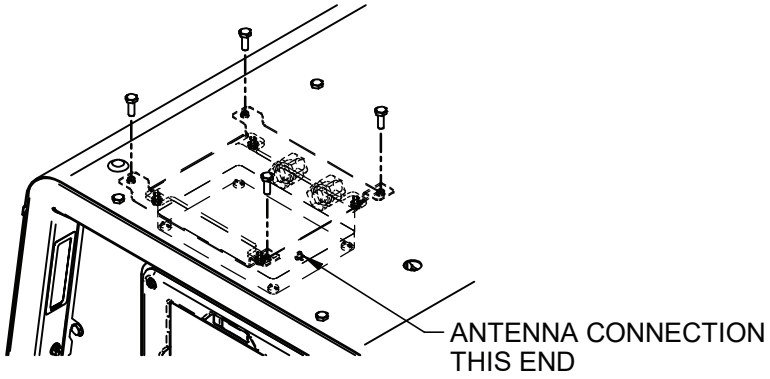
6. On the top of the machine, remove and discard 5 rubber/plastic plugs:



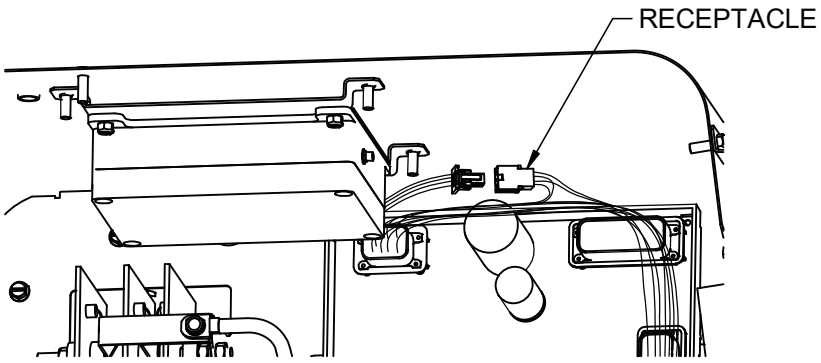
Installation Instructions (Cont.)

WARNING! **DO NOT** open engine drive covers or work inside machine with battery connected.

7. Align the transceiver bracket inside the machine against the roof in the orientation shown and secure with the -4- screws included (3/8” socket):



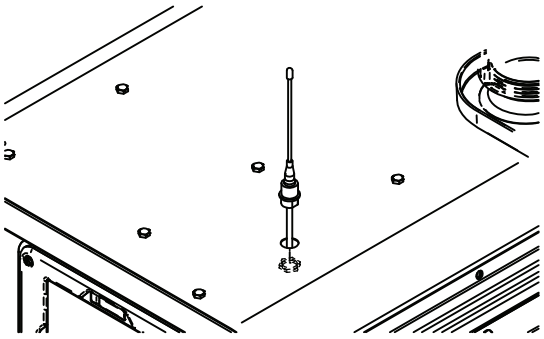
8. Locate the unused 4-pin receptacle in the location shown and remove the protective plug. Connect the 4-pin male plug from the transceiver into the female receptacle. Make sure the connector is fully latched.



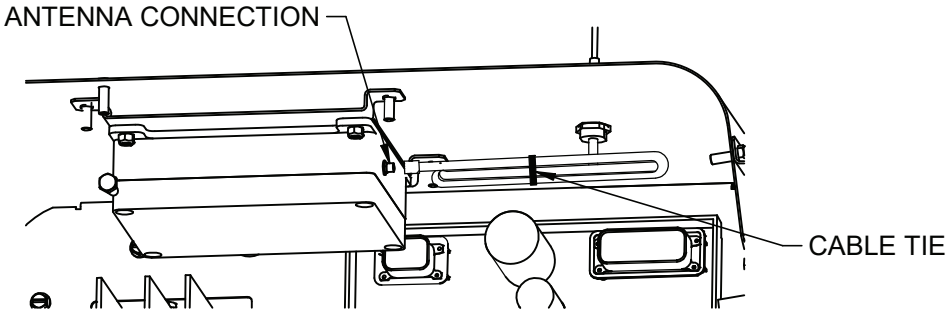
Installation Instructions (Cont.)

WARNING! **DO NOT** open engine drive covers or work inside machine with battery connected.

9. Mount the antenna to the roof in the location shown and use an adjustable wrench to tighten the nut to secure.



10. Attach the antenna cable to the transceiver box and hand tighten the nut to secure. Bundle any excess antenna cable and use a cable tie to secure it away from other parts.

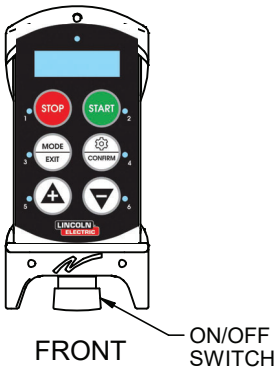


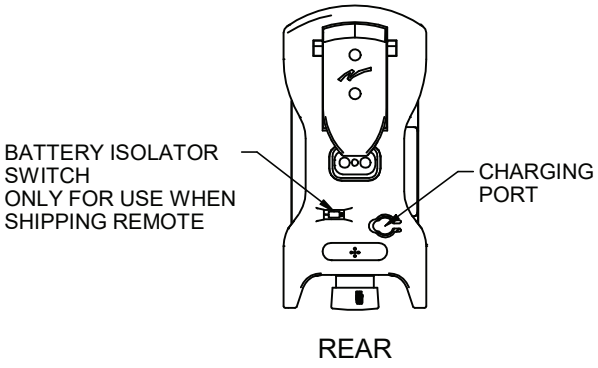
11. Replace plastic splash guard removed in Step 5, flip control panel back to closed position, and replace -4- mounting screws (removed previously in Step 5).
12. Reconnect and tighten battery terminal. Slide battery tray back inside machine and secure with -4- previously removed screws.

Connecting Remote to Receiver:

1. Flip the Start/Stop switch on the Engine Drive to either Auto or High Idle. Allow the UI to fully load to the home screen.
2. Make sure the battery isolator switch on the rear of the remote is switched to ON (I). Note, this switch is only used when shipping the remote and should not be used as an ON/OFF switch.
3. Twist the Red Stop Button on the bottom of the remote clockwise slightly until it pops outward to turn the remote ON.
4. The remote may say “SELECT RECEIVER” and at least one red LED on the front should be flashing (if not, move to Step 6). If the remote says “NO RECEIVERS FOUND”, see the “Pairing of Remote” section.
5. Press the button next to the flashing LED to select that receiver (For example, if the LED flashes in position 1 (next to the “STOP” button), press the “STOP” button).
6. The remote should now say “START by pressing 5 + 6”
7. Press and hold buttons “5” & “6” (“+” and “–“ buttons) together until you hear a beep and then let go to establish the radio connection (the engine drive must be fully powered).
8. If the remote says “NO RECEIVERS”, please see the “Pairing of Remote” section for the appropriate procedure.

Using the Remote:

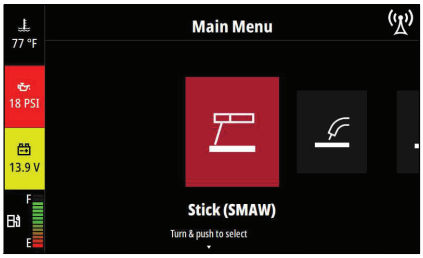




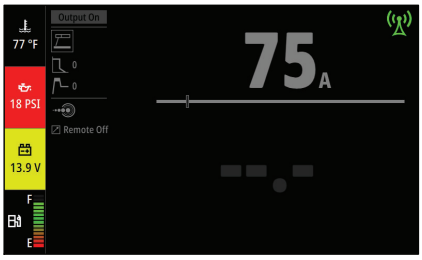
- The remote is generally shipped with the battery isolator in the OFF (0) position
  - Slide isolator to ON (I) and leave it there unless mailing the remote
- The remote is turned ON/OFF with the red switch at the bottom of the remote
  - Twist switch clockwise slightly until it extends to turn the remote ON and press switch in until it locks to turn the remote OFF

- When the wireless receiver is installed in the machine, the wireless icon will display in the upper right corner of the User Interface (WHITE). When the wireless remote is powered ON and connected, the wireless icon will turn GREEN and local control at the machine will be disabled. Only remote control is allowed when the remote is powered and connected. Turn OFF the wireless remote to allow for local control.
- The machine power supply timeout is set to 30 minutes by default (engine off). The power supply timeout can be adjusted in the machine UI settings menu.

Using the Remote (continued):



WIRELESS RECEIVER CONNECTED
(LOCAL CONTROL)



WIRELESS REMOTE CONNECTED
(REMOTE CONTROL)

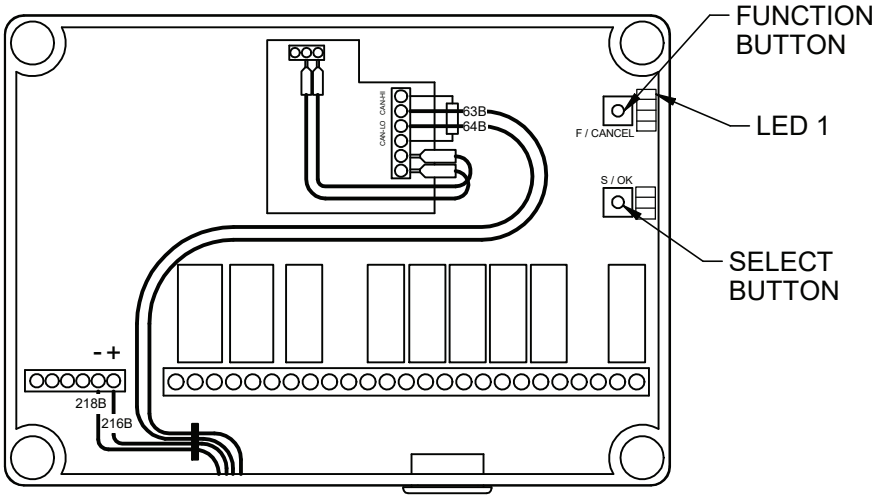
- If the Engine is not running, the remote will display “ENGINE OFF” until it is started
- Starting/Stopping the Engine
  - To Start the Engine with the remote:
    - Press and release “START” (Remote will flash “PRESS START”)
    - Press and release “START” again (Remote will flash “CONFIRM”)
    - Press and release “CONFIRM”
  - To Stop the Engine with the remote:
    - Press and release “STOP” (Remote will flash “PRESS STOP”)
    - Press and release “STOP” again (Remote will flash “CONFIRM”)
    - Press and release “CONFIRM”
- When the Engine is running and welding is inactive, the Remote will display the welding process and the Setpoint.
- Changing the Setpoint (Engine ON, weld mode selected):
  - Press and release “+/UP” and “-/DOWN” to change the setpoint
    - This works the same while welding is active or inactive
- Changing Weld Mode (Engine ON, welding inactive):
  - Press and release “MODE”
    - SMAW should be flashing on the Remote
  - Press and release “+/UP” and “-/DOWN” to cycle through weld modes
  - When the desired mode is selected, press “CONFIRM” to switch to that mode
- Settings (Engine ON, welding inactive):
  - Press and release ⚙ utton to access the Settings
  - Scroll through the options with the "+/UP" and "-/Down" buttons
    - Memories - Recall 4 Saved Memories
      - Memories must first be saved through the machine user interface
    - Arc Controls - Change Arc Force, Hot Start, Pinch, Frequency, % Peak Current, Start Type (depending on the welding process selected)
    - Fuel Level - Check fuel level as a percentage
    - Amp Increment - Adjusts how many Amps the Setpoint will change with each press of the UP/DOWN buttons
    - Volt Increment - Adjusts how many Volts the Setpoint will change with each press of the UP/DOWN buttons
  - To select option press "CONFIRM"
  - Use "+/UP" and "-/Down" buttons to make adjustments (if available)
  - Press "CONFIRM" to make selection

Adjusting Auto Shutdown of Wireless Remote

1. The battery isolator switch on the rear of the remote should be ON.
2. Release the red switch on the bottom of the remote (turn clockwise slightly).
3. Press and hold the “-“ button and while holding the “-“ button, push in the red switch on the bottom of the remote.
4. Release the “-“ button. The remote is now in the settings menu. Pressing the “STOP” button will lower the cursor, pressing the “START” button will raise the cursor.
5. Move the cursor to [Auto shutdown]
6. Press and release the “+” button to enter the submenu. The screen will display the Auto shutdown time in minutes.
    a. Pressing the “STOP” button will decrease the time and pressing the “START” button will increase the time (6 minutes should be the default value).
    b. Pressing the “MODE/BACK” button will move the cursor left and pressing the “SETTINGS/CONFIRM” button will move the cursor right.
    c. Choose any value between 0-255 minutes.
    d. Choose [000] if you do not want the remote to timeout.
7. After adjusting the timeout to the desired value, press and release the “+“ button. The screen will display [NO].
8. Press and release the “STOP” button. The screen will display [YES].
9. Press and release the “+” button. The screen will move back to the settings menu and the Auto shutdown time will be saved.
10. Press the “-“ button to shut off the remote.

Pairing of Remote

1. The battery isolator switch on the rear of the remote should be ON.
2. Release the red switch on the bottom of the remote (turn clockwise slightly).
3. Press and hold the “-“ button
4. While holding the “-“ button, push in the red switch on the bottom of the remote.
5. Release the “-“ button. The remote is now in the menu. Pressing the “STOP” button will lower the cursor, pressing the “START” button will raise the cursor.
6. Move the cursor to [Register]
7. Press and release the “+” button to enter the submenu. The screen will display all of the slots that are in use (with the serial number of the receiver) and/or available (with [EMPTY]). Pressing the “STOP” button will lower the cursor, the “START” button will raise the cursor.
8. Once the cursor is on an [EMPTY] slot of choice, press and release the “+“ button. The screen will display [NO]
9. Press and release the “STOP” button. The screen will display [YES].
10. Press and release the “+” button. The screen will display [Registering…]. Remote is now in register mode for 30 seconds.
11. Inside the receiver, press and release the Function button (see Figure below). Red function LED1 flashes.
12. Within 4 seconds, inside the receiver, press and release the Select button. All red relay LEDs will light up red, indicating the receiver is in register mode. Receiver will remain in register mode for 1 minute or until it acknowledges a remote in register mode.
13. Once all red relay LEDs begin to flash, confirm the pairing by pressing and releasing the Select button inside the receiver. Screen on the remote will display [Successful] and shut off.



NOTES: