TENNANT

INSTRUCTION BULLETIN

No. 9014054
Machine: S30
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Rev. 02

> **NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in the machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save the cost of ordering an entire kit.**

NOTE: Numbers in parenthesis ( ) are reference numbers for parts listed in Bill of Materials.

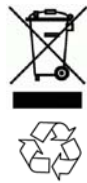Installation instructions for **kit number 9014032**

SYNOPSIS:

This kit contains the parts needed to install the telemetry kit on S30 sweepers.
Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 1 hour)

The IRIS (telemetry module) must be activated to complete this installation. The module will not function until it is activated. Call for assistance (North America ‑ Technical Support / Australia ‑ CCC) activating the module after all telemetry components have been installed. Have machine serial number and IRIS module SIM number (located on back of IRIS control box assembly) ready when calling for activation.

PROTECT THE ENVIRONMENT

Please dispose of packaging materials, used machine components such as batteries and fluids in an environmentally safe way according to local waste disposal regulations.

Always remember to recycle.

PREPARATION:

1. Start machine. Observe the LCD display / indicator panel for fault / diagnostic codes. All fault / diagnostic codes must be corrected before the IRIS system can be installed onto the machine.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, set parking brake, and remove key.

2. Disconnect the battery cables from the battery.

⚠ **WARNING: Always disconnect battery cables from machine before working on electrical components.**
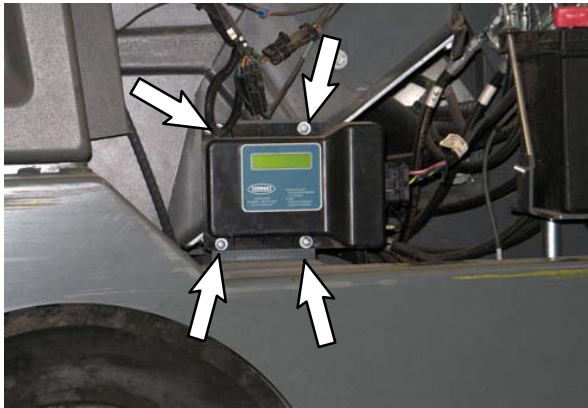
INSTALLATION:

1. Remove the additional SIM label from the back of the control box (1) and set label aside in a safe place. The number on the SIM label will be needed for activating the machine. (Fig. 1)

FIG. 1

2. **Older model machines without fan bracket:** Install the telemetry bracket (10) onto the machine. (Fig. 2)

FIG. 2

3. **Older model machines without fan bracket:** Use four M6 hex screws (3) and four flat washers (2) to install the telemetry module (1) onto the telemetry bracket (10). (Fig. 2)

4. **Newer model machines with fan bracket:** Use four M6 hex screws (3) and four flat washers (2) to install the telemetry module (1) onto the fan bracket. (Fig. 5)

5. Connect the telemetry harness (7) to the telemetry module (1). (Fig. 5)

6. Route the telemetry harness (7) to the control box and connect the telemetry harness to the main wire harness. (Fig. 5 / Fig. 6)

7. Neatly bundle any excess telemetry harness (7) and use a cable tie (8) to secure the bundled cable.

8. Drill two 1/8 in. holes approximately 3 in. apart for mounting the antenna (4) into the hopper cover near the left headlight. **Do Not** drill into the front surface of the front shroud. (Fig. 3)

FIG. 3

9. Use two cable clamps (5) and two pan screws (6) to install the antenna (4) onto the hopper cover. (Fig. 3 / Fig. 5)

10. Route the antenna (4) cable along the existing harnesses and to the telemetry module (1). (Fig. 5)

11. Connect the antenna (4) cable to the telemetry module (1). (Fig. 5).

12. Use cable ties (8) to secure the antenna (4) cable to the existing harnesses.

13. Clean the area in the operator compartment where the telemetry label (9) is supposed to be located and install the telemetry label onto the operator compartment. (Fig. 4)
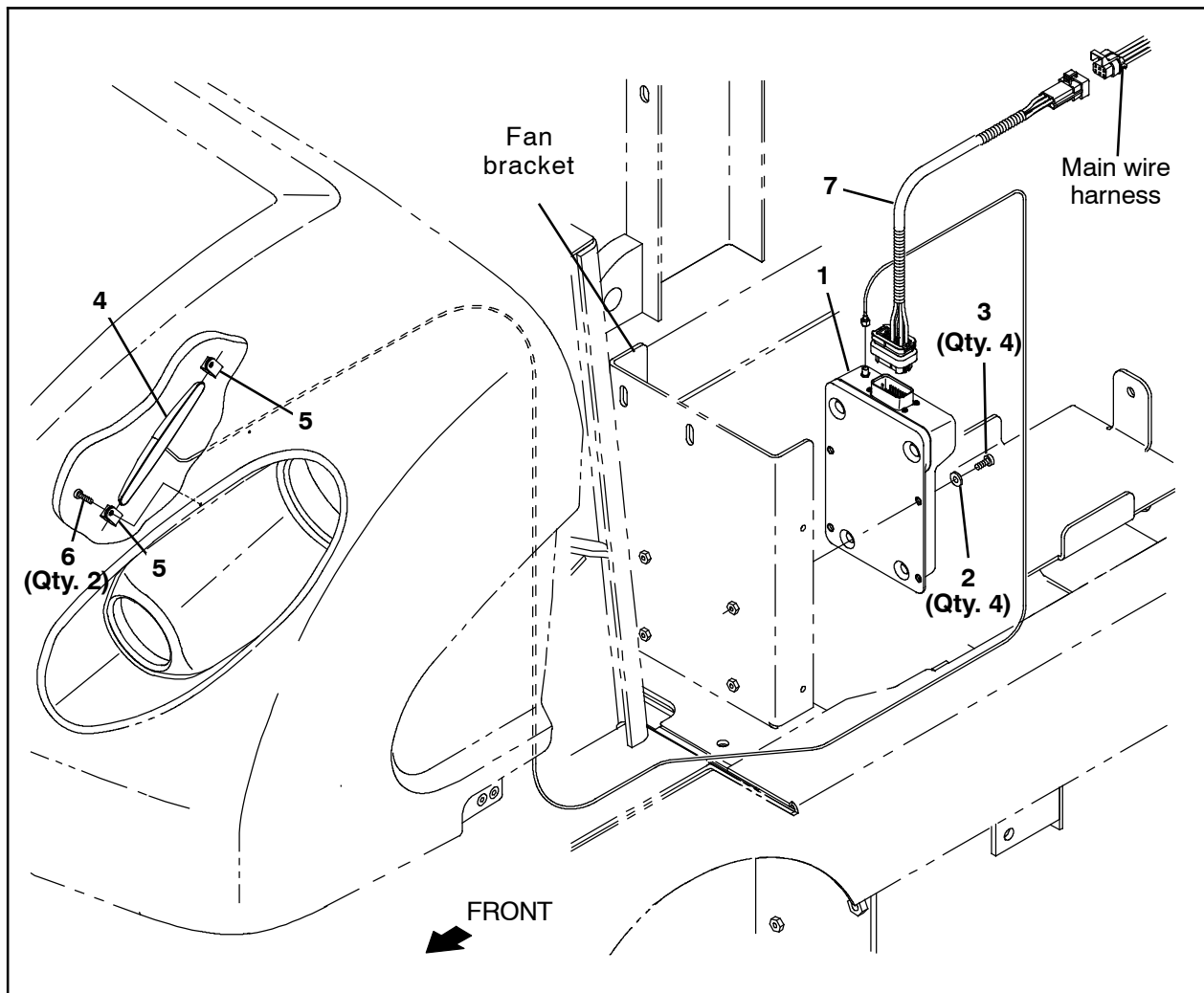

FIG. 4

14. Reconnect the battery cables to the battery.

15. Start and test the machine.

16. **North America Customer Locations:** Activate the IRIS (telemetry module): Call Technical Support (between hours of 7:00 am and 5:00 pm CST) for assistance to activate the module. The IRIS telemetry system must be activated to complete this install. Have machine serial number and IRIS module SIM number ready when calling for activation.

17. **Australia Customer Locations:** Activate the IRIS (telemetry module): Call CCC (between hours of 8:00 am and 5:00 pm AEST) and ask to be routed to the IRIS expert for assistance to activate the module. The IRIS telemetry system must be activated to complete this install. Have machine serial number and IRIS module SIM number ready when calling for activation.

NOTE: The IRIS (telemetry module) must be activated to complete this installation. The module will not function until it is activated. Call for assistance activating the module after all telemetry components have been installed.
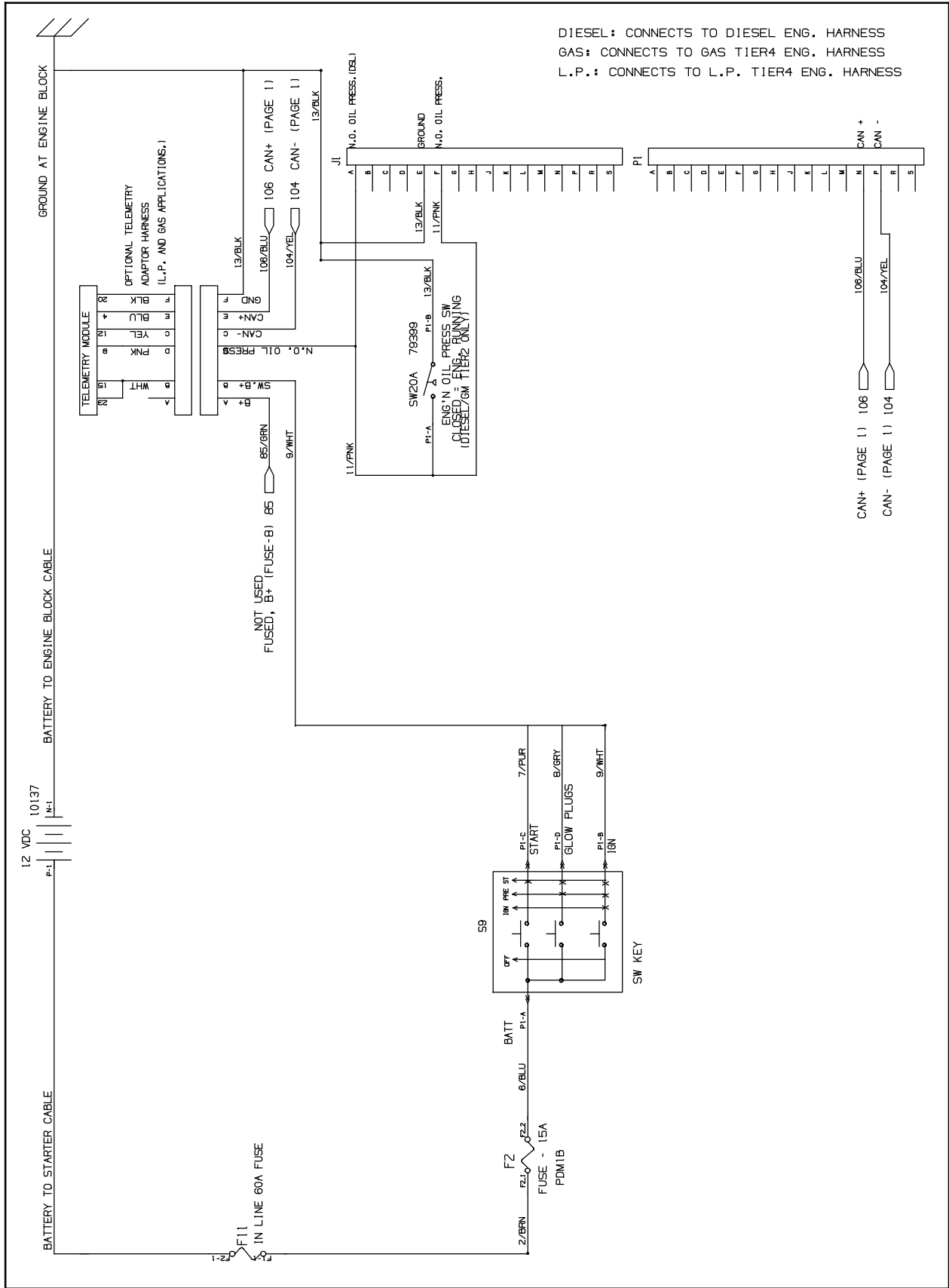

FIG. 5

DIESEL: CONNECTS TO DIESEL ENG. HARNESS
GAS: CONNECTS TO GAS TIER4 ENG. HARNESS
L.P.: CONNECTS TO L.P. TIER4 ENG. HARNESS

FIG. 6

Bill Of Materials For Telemetry Kit, CI [S30 / S30XP, USA] - 9014032

Ref.	Tennant Part No.	Description	Qty.
1	1069467	Control Box Assy, Telem [USA, 3G]	1
2	32490	Washer, Flat, 0.25, Std	4
3	361339	Screw, Hex, M6 X 1.0 X 16, Fmg	4
4	1070324	Antenna, Telem, 110 In [GPRS]	1
5	140916	Clamp, Cable, Nyl, 0.62d, Nat	2
6	360973	Screw, Pan, 12-16 X 0.50, F/ Plstc	2
7	1071132	Harness, Ele [Extn, Telemetry]	1
8	763115	Tie, Cable, 6.0l, 1.25d Max	7
9	1069580	Label, Opertnl, Telem [FCC/IC]	1
10	1070124	Bracket, Mtg, Telem [S30] (For older model machines w/o fan bracket)	1

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