



S-Series™

2.0 Telematics Control Unit (TCU) Reflash

Date: October 28, 2025

Bulletin Name: FDM-TSB-006

Model: Oshkosh S-Series 2.0

Units Affected: Select SNs within range
821992 - 830918

Purpose:

This bulletin provides instructions for removing an inoperative vehicle TCU. Oshkosh Corporation initiated an over-the-air update security certification on TCUs for a select population of Oshkosh® S-Series™ 2.0 Front Discharge Mixers. The software update process was unsuccessful and has caused select TCUs to become inoperative. Affected TCUs must be returned to Oshkosh Corporation for reflashing in a controlled environment.

Notice:

- Read and understand bulletin in its entirety before performing this procedure.
- All procedures outlined in the bulletin must be performed by skilled service personnel. Refer to the product service manual for descriptions of maintenance procedures.

SAFETY NOTICE

Perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.

SAFETY NOTICE

Use appropriate Personal Protective Equipment (PPE) as required by your company.

Tools and Equipment Required

Customer to supply:

- Hand tools
- Torque wrench (in. lbs.)
- Loctite® #242

Procedure:

Lockout/Tagout

1. Park vehicle on a flat level surface, block truck tires, and perform your company's Lockout/Tagout procedure. If your company does not have a Lockout/Tagout procedure, follow OSHA 1910.147 and 1910.146 Confined Space as appropriate.
2. The vehicle's BATTERY DISCONNECT switch is located on the left-hand side of the battery box. Use the battery disconnect switch when performing any maintenance so the vehicle cannot accidentally be started.
 - a. Turn the battery disconnect switch (Figure A, Item 1) counterclockwise so the hole on the switch aligns with the hole in the bracket (Figure A, Item 2).
 - b. Install the safety lockout device ring (Figure B, Item 1) through the holes on the battery disconnect switch and the bracket.

c. Install a padlock (Figure B, Item 2) onto the safety lockout device ring, lock it, and put the key in your pocket. If more than one person is working on the vehicle, each person must install his or her own padlock.

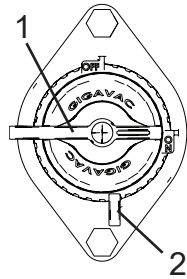


Figure A

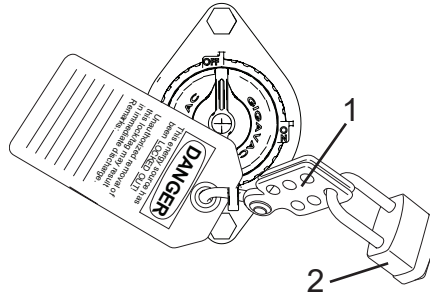


Figure B

TCU Removal

3. Remove four screws and washers securing radio panel to overhead console. See Figure 1. Save screws and washers for reinstallation of radio panel.
4. Disconnect harness connector and antenna cable from back of radio. Set radio panel aside.

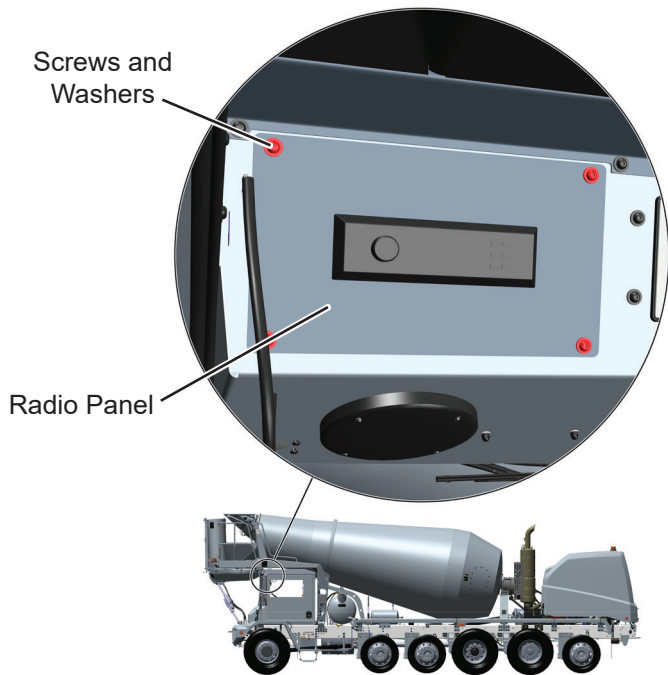
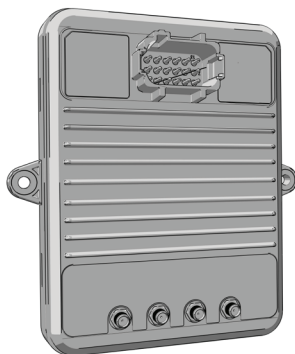
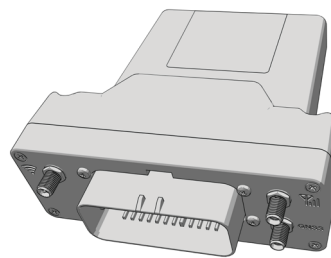


Figure 1

5. Locate TCU in overhead console and determine if vehicle is equipped with a T17 or T27 TCU. See Figure 2. Go to Step 6 for removal of a T17 TCU, or Step 11 for removal of a T27 TCU.



T17 TCU



T27 TCU

Figure 2

T17 TCU

6. Disconnect connector C1530 from TCU. See Figure 3.
7. Loosen and remove cellular and GPS antenna from TCU. See Figure 3.
8. Loosen and remove screws and nuts securing TCU to overhead console. See Figure 3. Save screws and nuts for TCU reinstallation.
9. Remove TCU from overhead console and attach a label to TCU with the truck SN that it was removed from.
10. Go to Step 15.

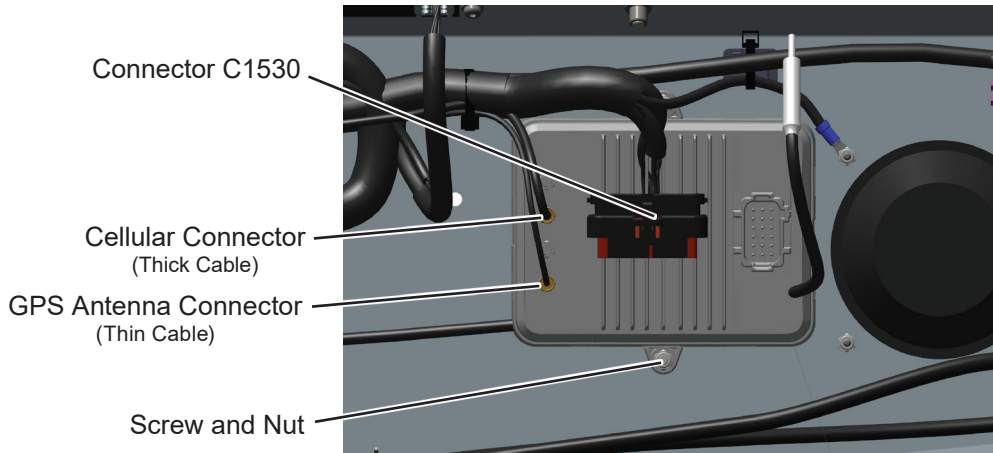


Figure 3

T27 TCU

11. Disconnect connector C1530B from TCU. See Figure 4.
12. Loosen and remove cellular and GPS antenna from TCU. See Figure 4.
13. Loosen and remove screws, washers, and acorn nuts securing TCU to overhead console. See Figure 4. Save screws, washers, and acorn nuts for TCU reinstallation.
14. Remove TCU from overhead console and attach a label to TCU with the truck SN that it was removed from.

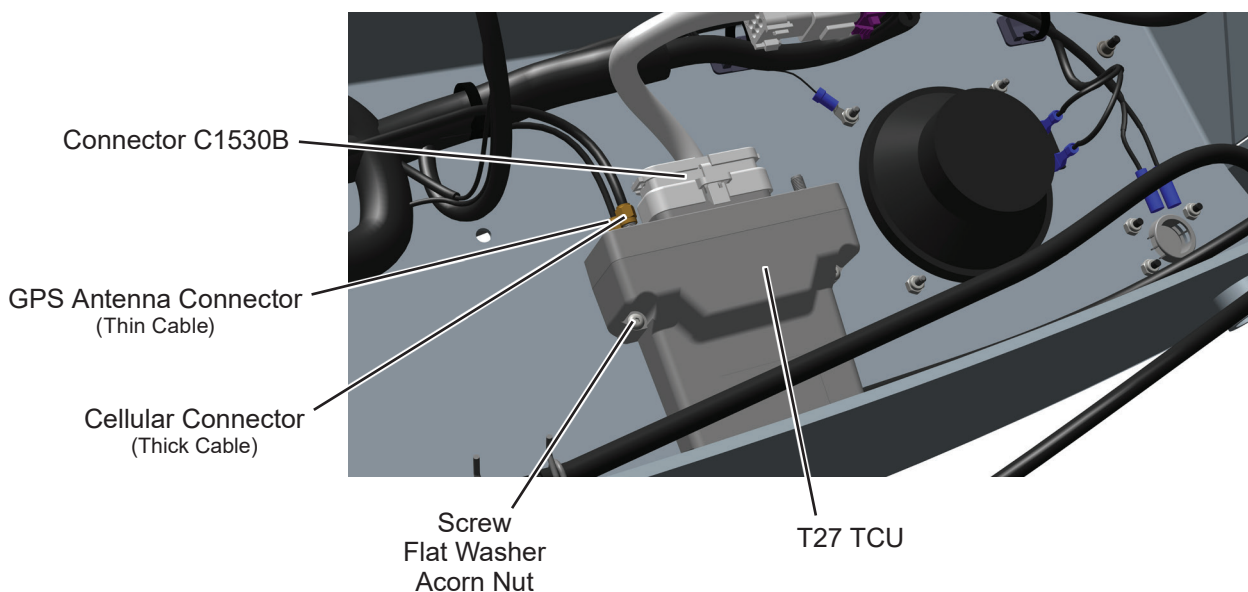


Figure 4

15. Package TCU(s) and ship to following address using prepaid shipping label(s). Combine as many TCUs per shipment as possible. Include a return shipping address in or on package so TCU(s) can be returned to the correct location.

**Global Technology Center
Attn: Aaron Prentice
370 W Waukau Ave. Dock GTC
Oshkosh, WI 54902**

TCU Installation

Perform the following steps to reinstall TCU when returned from Oshkosh with reflash. Go to Step 16 for T17 TCU, or Step 20 for T27 TCU.

T17 TCU

16. Reinstall TCU in overhead console. Secure TCU using screws and nuts removed in Step 8. Apply Loctite® #242 to threads of screws and final tighten mounting hardware to 19 in. lbs.
17. Reconnect connector C1530 to TCU. See Figure 5.
18. Reinstall cellular and GPS antenna connectors finger tight to TCU. See Figure 5. DO NOT use a wrench to tighten connectors or damage to connectors will occur.
19. Go to Step 23.

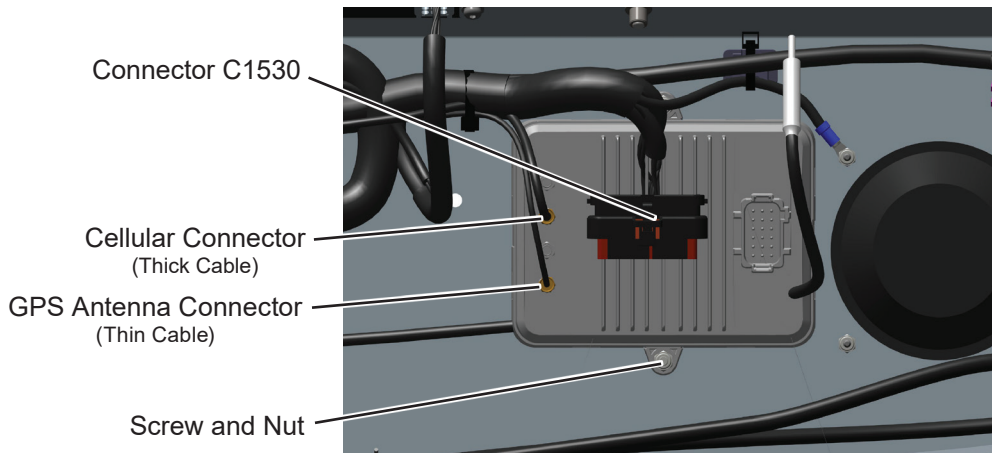


Figure 5

T27 TCU

20. Reinstall TCU in overhead console. Apply Loctite® #242 to threads of screws removed in Step 13 and secure TCU using screws, washers, and acorn nuts. Final tighten mounting hardware to 17 in. lbs.
21. Reconnect connector C1530B to TCU. See Figure 6.
22. Reinstall cellular and GPS antenna connectors finger tight to TCU. See Figure 6. DO NOT use a wrench to tighten connectors or damage to connectors will occur.

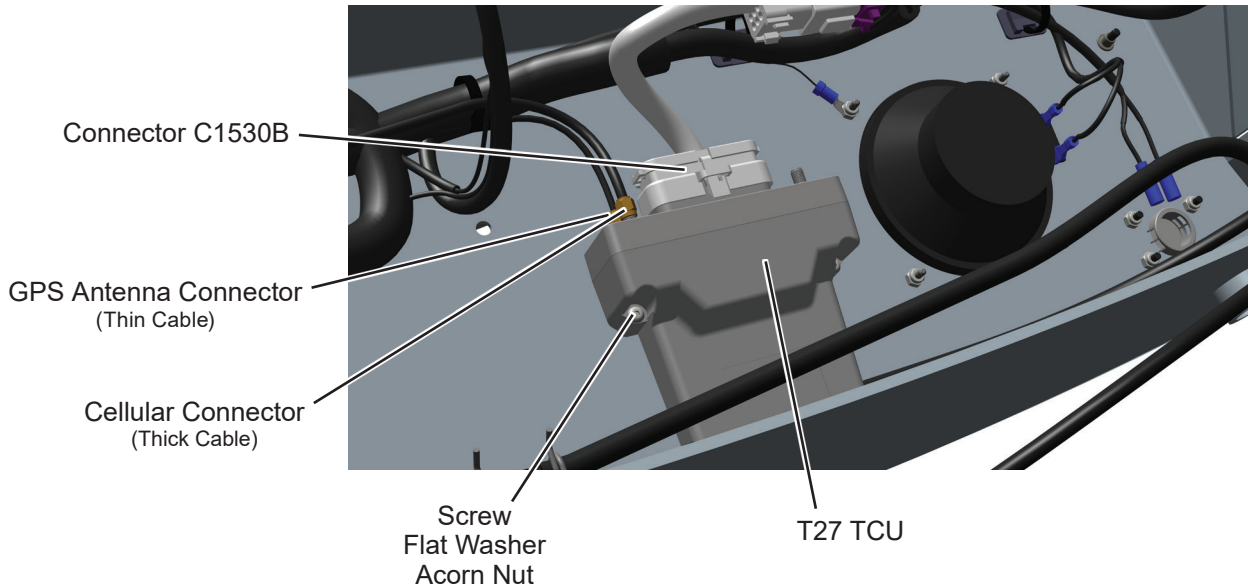


Figure 6

23. Reconnect harness connector and antenna cable to back of radio.
24. Reinstall radio panel to overhead console with screws and washers removed in Step 3. Apply Loctite® #242 to screws and final tighten mounting hardware to 75 in. lbs.
25. Remove lockout/tag and wheel chocks.

ClearSky™ Verification

26. Turn truck ignition switch to ON position and wait until overhead display shows home screen.
27. Make sure truck is in a location with adequate cellular and GPS service. Truck may need to be outside for adequate service. Wait 10 minutes for TCU to connect to ClearSky.
28. Log into ClearSky (<https://clearsky.mcneiluscompanies.com>) See Figure 7. If an account needs to be created contact ClearSky support (clearskysupport@oshkoshcorp.com).

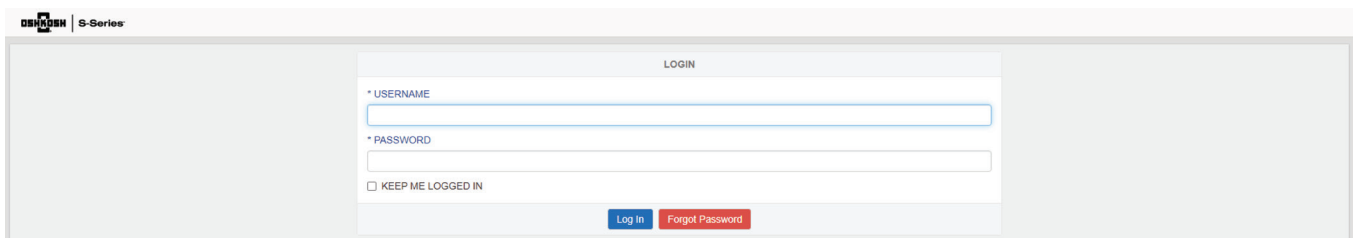


Figure 7

29. Enter truck serial number (last six digits of truck VIN) in ClearSky search window. See Figure 8.
30. Make sure the truck's serial number appears in the search results Assets window and select the truck from the search results. See Figure 8.

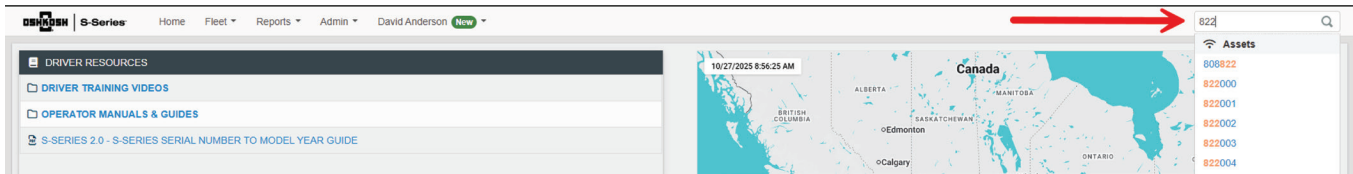


Figure 8

31. Make sure the truck displays in the STATUS tab and is reporting to ClearSky. See Figure 9.

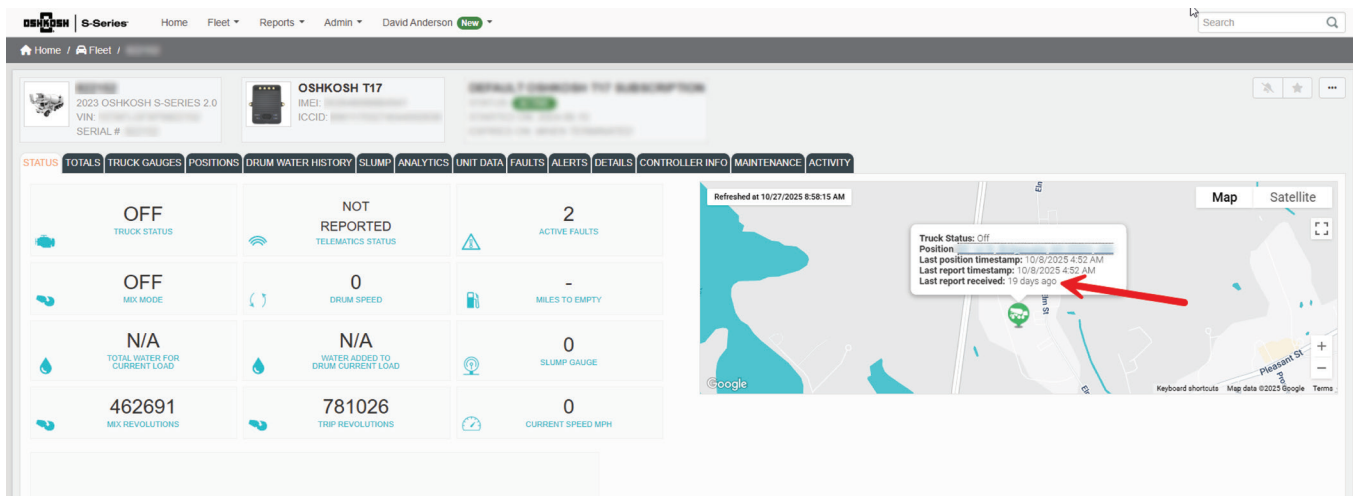


Figure 9

Reimbursement of Costs

Affected vehicles shall be updated using the customer's own qualified service technicians.

Reimbursement

Labor to remove and reinstall the TCU will be covered with a total SRT of 1 hour at \$100/hr rate. Shipping will be covered using the included prepaid shipping label(s). If you have a paid subscription to Clearsky, you will receive a 2-month credit on your 2026 invoice for the affected vehicles.

Claims are to be submitted through the normal warranty claim system, reference "2025 TCU Campaign" in the warranty submission. Claims must be received within 30 days of the repair. Claims must include the serial number of the vehicle(s), the customer asset number, and this bulletin's number.

Deadline

This service update should be performed at the earliest opportunity. For reimbursement, a warranty claim form with proof of component installation must be submitted by **December 31, 2026**.

Contacts

If you have questions or need further information, please contact a McNeilus National Service Representative at 888-686-7278.

Continuous Improvement:

The change included in this document is part of the McNeilus Continuous Improvement Process.

McNeilus's quality policy is providing customer satisfaction through innovative products, dedicated service, and a constant focus on continuous improvement.



(888) 686-7278

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