



One BOB-CAT Lane, P.O. Box 469
Johnson Creek, WI 53038 U.S.A.
(920) 699 2000
Fax: (920) 699 6836

Service Bulletin

Date: 2/22/2017

Bulletin No: JC-17-04

Product Type: STEINER 440 (Kohler engines)

Customer Issue: Repeated 30 amp fuse failures in the white wires behind the dash panel, and premature Alternator failure.

Cause: The 440 Kohler's wire harness allows excessive loading of the exciter line, resulting in cumulative degradation and eventual failure of the diode network within the alternator.

Action required: This is a Mandatory update for the 440 Kohler tractors. Please contact Steiner customer service at 920-699-2000 or 866-469-1242 toll-free and order kit **970965**, install kit per the instruction sheet that's provided with the kit. This kit includes a small wiring harness that isolates the exciter terminal from power consuming devices preventing excessive current draw through the exciter line circuitry resulting in a normal life expectancy of the alternator.

Products Involved: All 440 Kohler tractors, with the **exception** of these tractors reworked at the factory -

- **34 hp. 7572012** -0334, 0338, 0340, 0343, 0344, 0345, 0346, 0350, 0351, 0352, 0355, 0357, 0360, 0361, 0363, 0364, 0367, 0371, 0377, 0378, 0379.
- **40 hp. 7572013** -0331, 0335, 0336, 0338, 0339, 0341, 0343, 0347, 0348, 0349, 0353, 0354, 0362.

Steiner will mail a letter to all registered user, asking them to contact their dealer regarding this bulletin.

Warranty: Standard warranty procedures apply:

1. Flat rate is set @ .5 hour of labor for installation of kit 970965
2. Please file warranty using (drop-down box) labor code **JC-17-04** with one unit per claim.

If you have any questions, please contact our Customer Service Department at 920-699-2000.

This bulletin is relevant to the departments checked below. Please circulate as appropriate.

SERVICE WARRANTY SALES PARTS

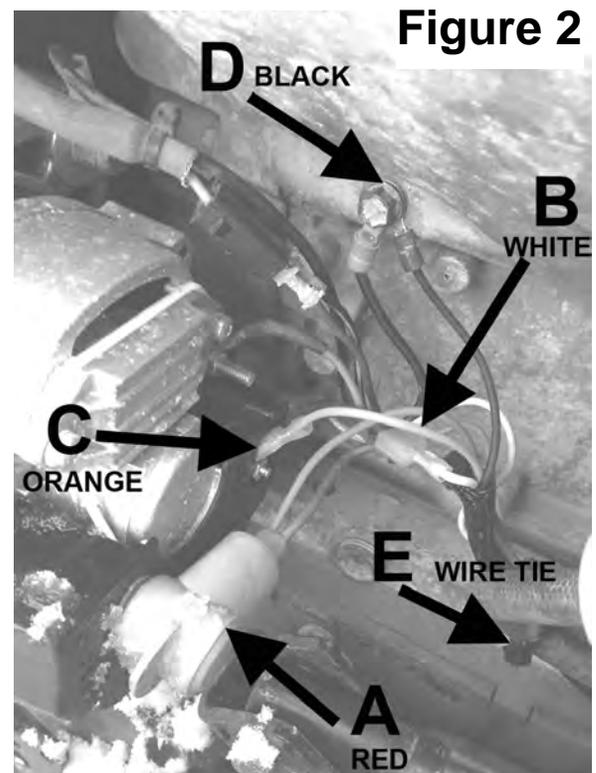
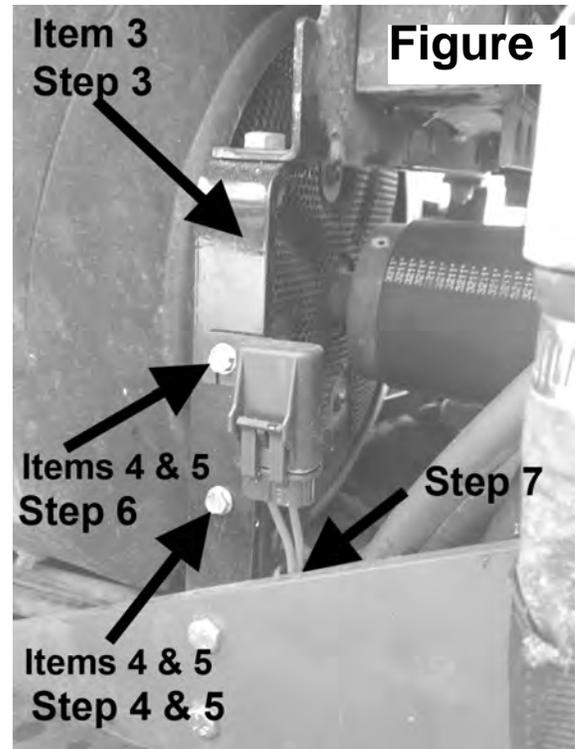
I.S.-ALTERNATOR HARNESS, 440 KOHLER (970965)

4174456 REV A

INTRODUCTION: This instruction sheet covers the installation of the Kohler Alternator harness kit 970965 into the Kohler 440 models.

INSTRUCTIONS:

1. Disconnect the battery.
2. Remove existing oil cooler support bracket from the left side of the tractor and discard. Save fasteners for reuse later.
3. Install new bracket (**Item 3**) without any of the electrical components attached using the hardware removed in Step 2. Tighten hardware. (**Figure 1**)
4. Remove the relay (**Item 2**) from the relay holder. Install the relay holder in the inside bottom hole on the bracket with supplied screw (**Item 4**) and nut (**Item 5**). (**Figure 1**)
5. Reinstall the relay (**Item 2**) into the relay holder. (**Figure 1**)
6. Install the fuse holder into the upper hole using supplied screw (**Item 4**) and nut (**Item 5**). (**Figure 1**)
7. Route the harness (**Item 1**) under the engine fan shroud and along the frame rail with the fuel lines as shown. (**Figure 1**)
8. Route the red wire **A** from the harness through the existing red insulation cover and attach to the terminal post on the alternator. NOTE: Both the original and new red wires should be attached to the terminal post on the alternator. (**Figure 2**)
10. Remove the white wire **B** from the alternator and mate it to the white wire on the new wire harness. (**Figure 2**)
11. Connect the orange wire **C** from the wire harness onto the alternator where the white wire was removed in Step 10. (**Figure 2**)
12. Remove the ground fastener **D** from the engine, and attach the black wire from the new wire harness and reinstall fastener. NOTE: Both the original and new black wires should be reattached to the engine as shown.
13. Complete installation by securing the new harness to the existing fuel lines using the provided Zip tie **E** (**Item 6**).
14. Reconnect the battery.



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ITEM	PART NO.	DESCRIPTION	QTY
1	4174147	HARNESS-EXCITER KOHLER	1
2	2722325	RELAY-40AMP SEALED	1
3	4174237.7	BRACKET-EXCITER HARNESS	1
4	64152-46	SCREW-SLT HH 10-24 X 1/2	2
5	64025-15	NUT-HEX #10-24 KEPS	2
6		ZIP TIE, 1/8"	1

