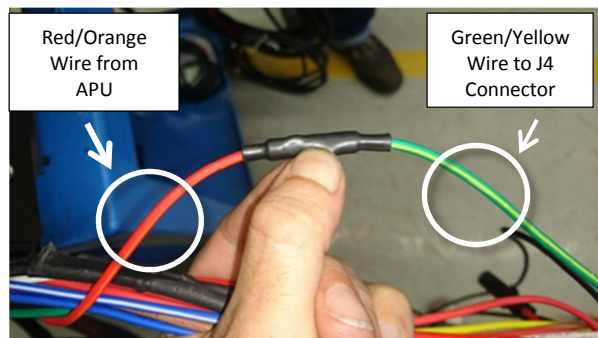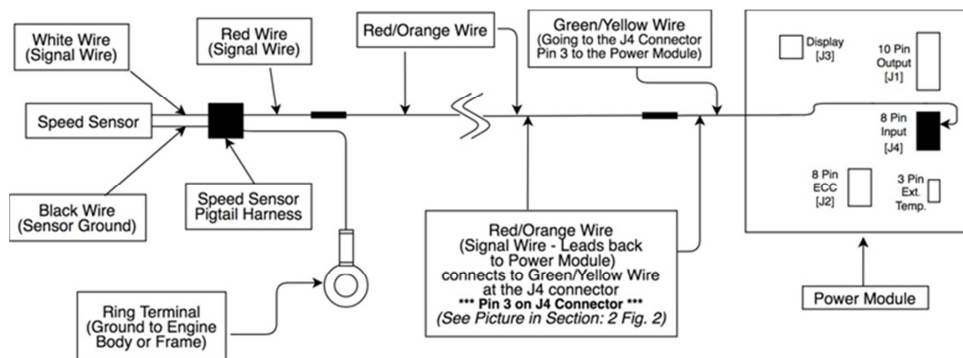2. On the inside of the truck under the bunk you will need to wire the NEW speed sensor to the **Power Module**. Follow this procedure. (**See Fig. 4**)

   a. **REMOVE DIGITAL** speed sensor from **MAIN** wiring harness. Connect the **White wire to White wire** and **Black wire to Black wire** on the **J1 connector** either with crimp connectors or electrical tape.

   b. Connect the **Red/Orange** wire (now the signal input wire) to the **Green/Yellow** wire **DIRECTLY** into the **POWER MODULE**.

Fig. 4 – Signal Wire connection under bunk

Red/Orange Wire from APU

Green/Yellow Wire to J4 Connector

WIRING DIAGRAM FOR DIGITAL TO ANALOG CONVERSION

Please call or email RigMaster Technical Support for any questions. Thank you.

Technical Service Bulletin
RMI-TSB-003-20180101

Analog Speed Sensor Upgrade Kits
For LG200 Kohler APU's

The update is intended to improve the engine starting and running operations on KOHLER LG200 units by replacing the digital speed sensor that was provided or installed on our APU's.

KL7-106K	Analog Kit for Kohler LG200 APU's

KL7-106K – Analog Kit for Kohler LG200 APU's

Part No.	Description	Quantity
KL7-106	Mechanical/Analog Speed Sensor (RPM Sensor)	1
KL7-106-01	Analog Speed Sensor Connector w/pigtail	1
KL10-047	Speed Sensor Bracket, use w/KL7-106 (LG200K & LG200K-H & WP)	1
BOLT-017	1/4"-20 x 3/4" 18-8 Stainless Steel Hex Cap Screw	2
LW-003	5/16" 18-8 Stainless Steel Medium Split Lock Washer	2
RP15-142	16-14 GA PARALLEL CONNECTORS BLUE INSULATED VINYL	2
RP15-230	Ring Terminal, 12-10 AWG, 5/16" Stud, Nylon Insulated w/ Extra Sleeve	1

BOLT-017

KL7-106-01

LW-003

RP15-142

RP15-230

KL10-047

KL7-106

WHEN INSTALLING THIS NEW SPEED SENSOR KIT PLEASE NOTE: IDENTIFY WHICH MODEL YOU ARE PERFORMING THE CONVERSION TO, AS ALL KITS ARE MODEL SPECIFIC.

DIGITAL SPEED SENSOR TO NEW ANALOG SPEED SENSOR INSTALLATION (KL7-106K)

This is a replacement from the **DIGITAL** speed sensor to **ANALOG** speed sensor. Please note which unit you are doing the conversion to, as the kits are unit specific.

Installing KL7-106K: Analog Kit for Kohler LG200 APU's w/Digital Speed Sensor
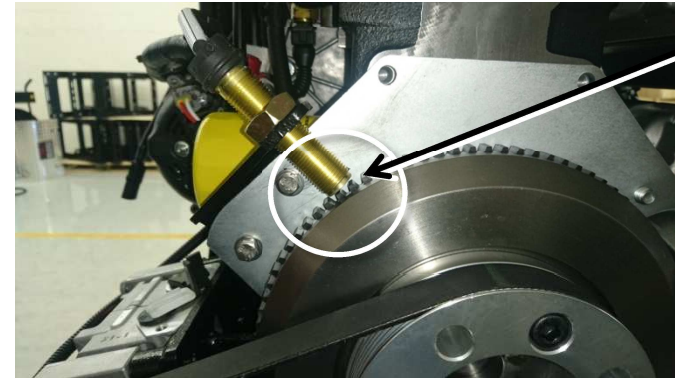
1. Prior to installing the **NEW** Analog speed sensor, remove the belt cover off the back to expose the flywheel.
2. Drill a hole using a **5/16** bit to enlarge the for access of the bracket bolt (**See Fig. 1**)
3. Mount **NEW** Speed Sensor Bracket and Speed Sensor. (**See Fig. 2**)
4. Adjust **NEW** Speed Sensor to **0.50mm (0.020 inch)** from flywheel.

Fig. 1

Use 5/16 drill bit to enlarge this hole to allow bracket mount bolt access to pass through.

Fig. 2

Adjust Speed Sensor to 0.50mm (0.020 inch) from flywheel

5. Place Belt Guard Cover loosely on APU and mark an opening and cut to allow Speed Sensor to pass through. (**See Fig. 3**)

Fig. 3

Line up belt cover and mark where to cut opening for speed sensor pass through.

WIRING ANALOG SPEED SENSOR

1. To install the **NEW** Analog speed sensor follow the install on the previous section. When you are wiring the speed sensor, follow the below procedure.

   a. **Black** wire to ground (use the provided **RING** terminal and ground to one of the bolts at the speed sensor bracket)

   b. **Red** wire connect to the **Red/Orange** wire off the **Alternator** (cut **Red/Orange** wire from the Alternator connector and connect with **Red** wire on **NEW** speed sensor harness connector)