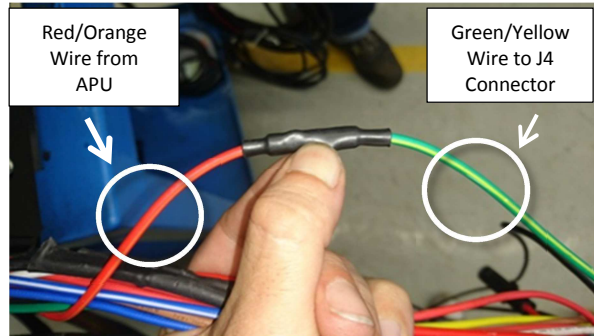
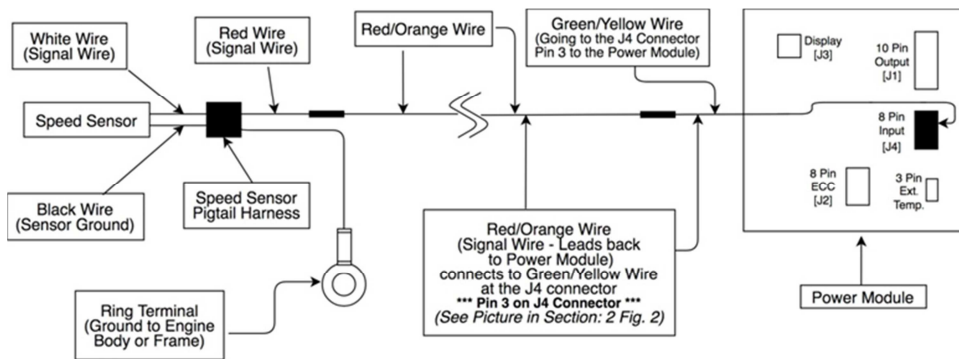


2. On the inside of the truck under the bunk you will need to wire the NEW speed sensor to the **Power Module**. Follow this procedure. (See Fig. 4)
  - a. **REMOVE DIGITAL** speed sensor from **MAIN** wiring harness. Connect the **White wire to White wire** and **Black wire to Black wire** on the **J1 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



**WIRING DIAGRAM FOR DIGITAL TO ANALOG CONVERSION**



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

**RIGMASTER POWER INTERNATIONAL LTD.**  
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**Technical Service Bulletin**  
 RMI-TSB-002-20180101

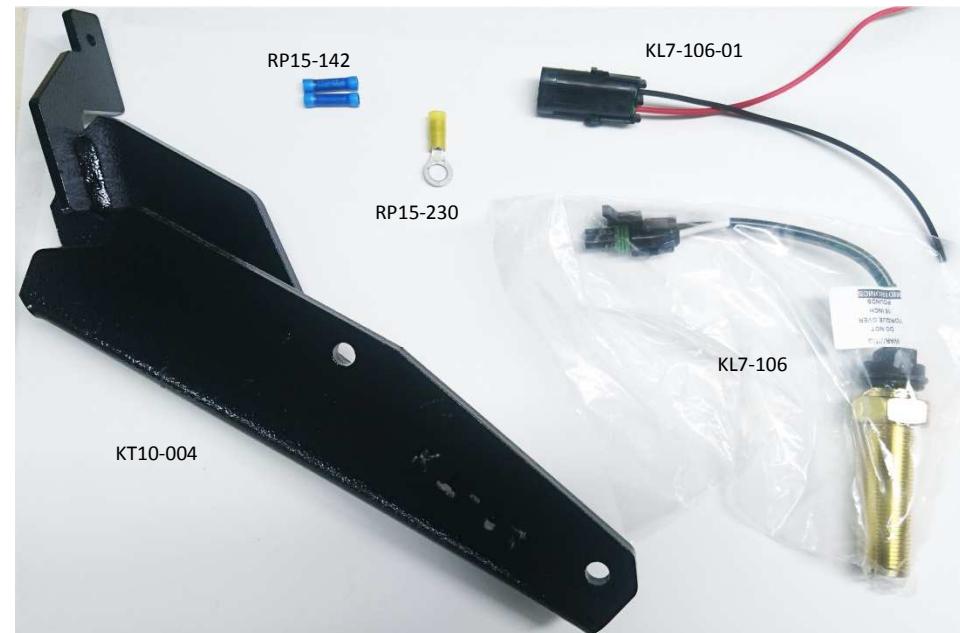
**Analog Speed Sensor Upgrade Kits  
 For T4-6 Kohler APU's**

The update is intended to improve the engine starting and running operations on KOHLER T4-6 units by replacing the digital speed sensor that was provided or installed on our APU's.

**KT7-106K** Analog Kit for Kohler T4-6 APU's

**KT7-106K – Analog Kit for Kohler T4-6 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
KT10-004	Tensioner Bracket (T4K;T4K-H & T4-GO)	1
RP15-230	Ring Terminal, 12-10 AWG, 5/16" Stud, Nylon Insulated w/ Extra Sleeve	1
RP15-142	16-14 GA PARALLEL CONNECTORS BLUE INSULATED VINYL	2



## INSTALLATION NOTES

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

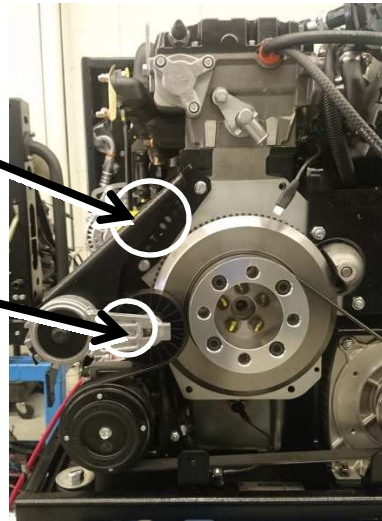
### DIGITAL SPEED SENSOR TO NEW ANALOG SPEED SENSOR INSTALLATION (KT7-106K)

This is a replacement from the **DIGITAL** speed sensor to an **ANALOG** speed sensor.

### Installing KT7-106K: Analog Kit for Kohler T4-6 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. Remove the belt and **OLD** tensioner bracket.
3. Remove tensioner from **OLD** tensioner bracket and install on **NEW** tensioner bracket provided in the kit.
4. Install **NEW** tensioner bracket using the **ORIGINAL** bolts. (See Fig. 1)

Fig. 1



Replace with **KT10-004**.  
(Reuse existing nuts and bolts.)

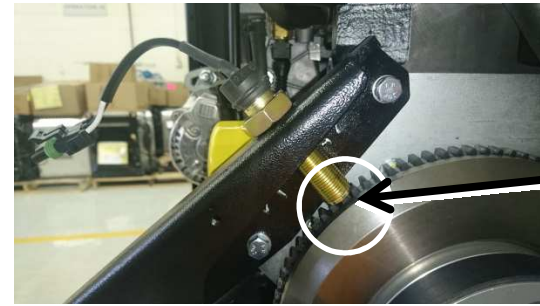
Swap the tensioner and belt over.

Picture in Fig. 1 is showing completed bracket replacement.

5. Replace drive belt and install **NEW** speed sensor to **0.50mm (0.020 inch)** from the flywheel. (See Fig. 2)

[Type text]

Fig. 2



Adjust to  
0.50mm  
(0.020 inch)

6. Place belt cover in place loosely, then mark and cut a notch to fit around **NEW** speed sensor. Replace and bolt in place. (See Fig. 3)

Fig. 3



Cut opening in Belt Guard to allow Speed Sensor to 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)