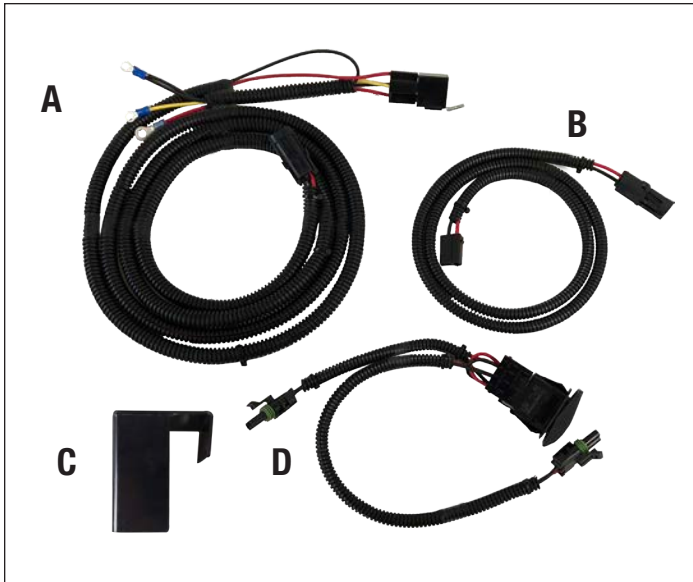


This harness connects a TKV 20 to John Deere 1023E, 1025R or 2025R Compact Tractors.



**Kit Includes**

	Description	Part No.	Qty.
A	Relay Harness	ST50580	1
B	Actuator Extension Harness	ST48298	1
C	Mounting Bracket	ST48276	1
D	Switch Harness	ST48299	1
	Hardware Kit	N/A	1
	Zip Ties	N/A	10

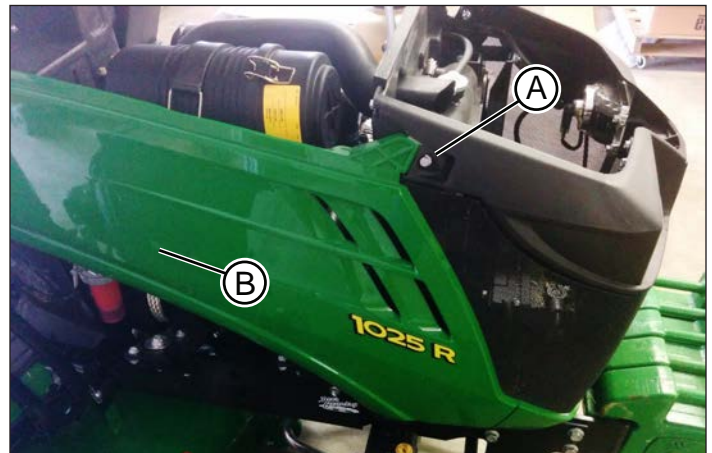
**Installation Instructions**

**NOTE: BE SURE THAT YOUR TRACTOR IS IN PARK AND THAT YOU'VE GIVEN THE ENGINE SUFFICIENT TIME TO COOL, IF PREVIOUSLY IN USE. DISCONNECT THE BATTERY.**

**Wiring Instructions**

1. Park the tractor and remove the mower deck.
2. Wait for tractor to cool before working around the engine.
3. Open the hood.
4. Remove the bolt (A) that secures the side panels using a 10mm wrench, 10mm socket and ratchet. Slide the panel (B) towards the rear of the tractor and remove the panel. Repeat on the opposite side.

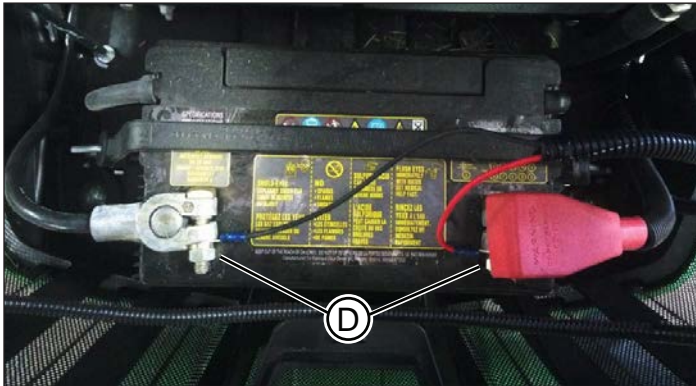
**NOTE: SOME MODEL YEARS USE A 1/4 TURN QUICK CONNECT IN PLACE OF 10MM BOLT.**



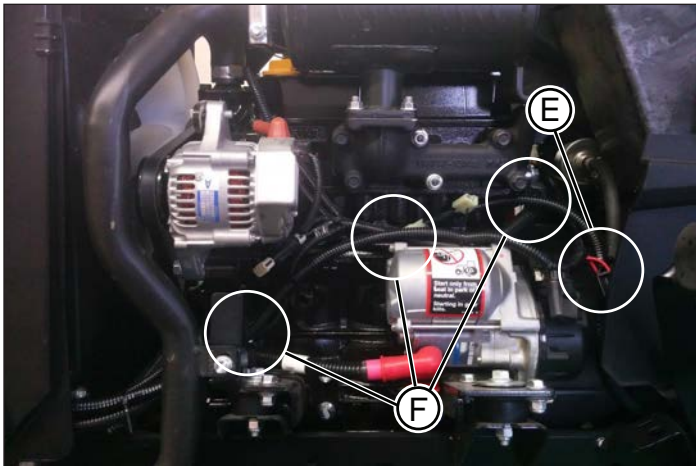
5. On the left side of the tractor, following the other loomed wires, insert battery ring terminals behind the exhaust bracket and into same hole as the existing wire harnesses (C).



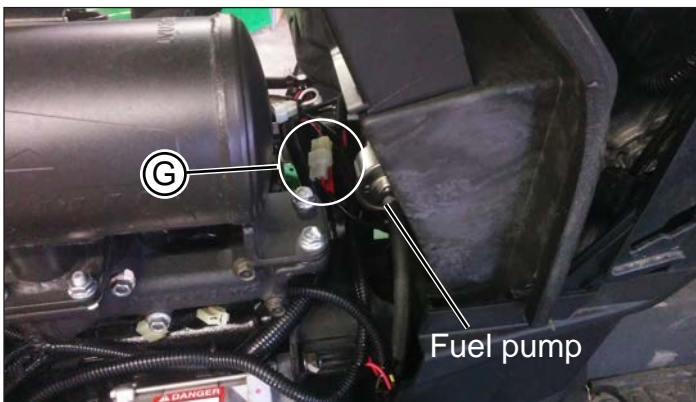
- Attach ring terminals to the battery terminals. Use a 13mm wrench to remove the battery terminal nut, slide the ring terminal over the bolt, and reinstall the nut (D). Make sure that the positive (+) battery terminal is attached to the red wire and the negative (-) battery terminal is attached to the black wire.



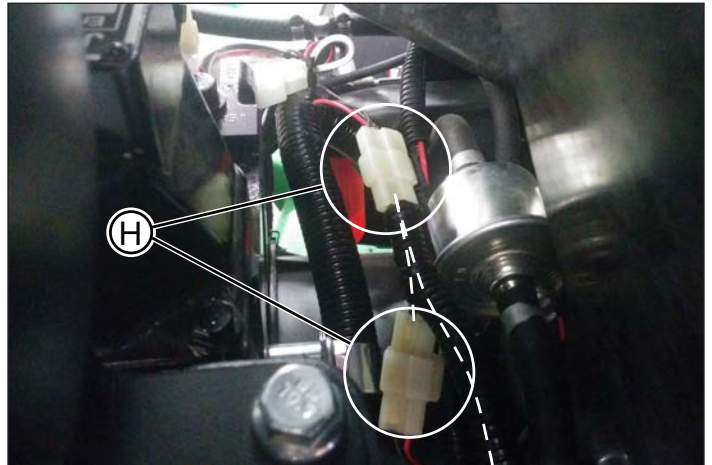
- Position the relay in the space near the firewall (E) and secure the harness with zip ties at the recommended locations (F).



- Locate and disconnect the fuel pump connector (G).



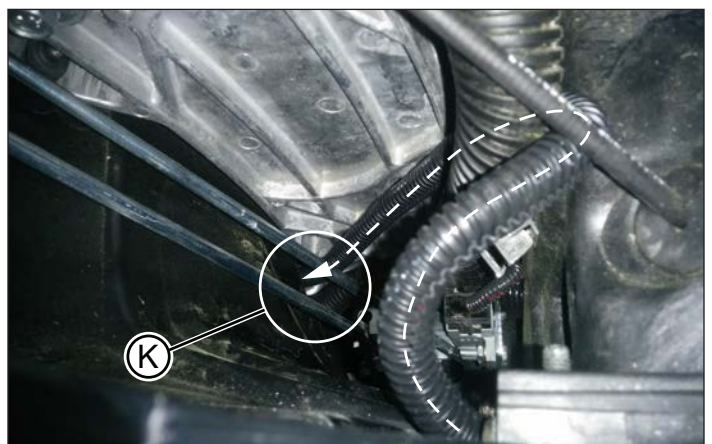
- Plug the wire harness pigtail (H) in-line with the fuel pump connector. Secure with a zip tie to the tractor harness.



- Moving to the other side of the tractor, continue routing the wire harness between the plastics (J) above the fuel filter.

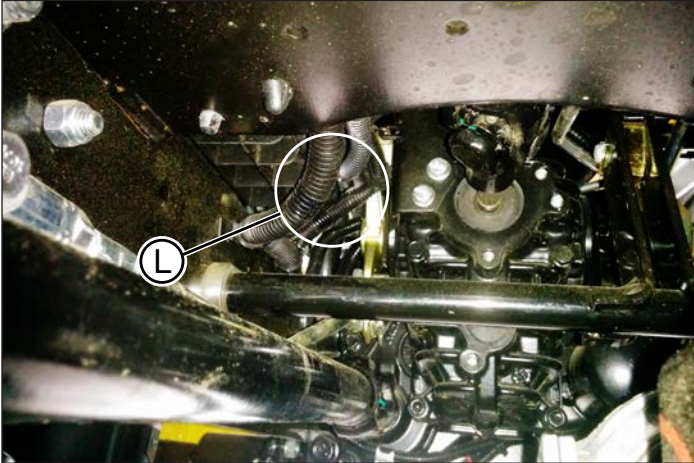


- Looking at the side of the tractor, continue pulling the wire and thread it down through the hole next to the existing loomed harness (K). It is recommended to loop around the main tractor harness to prevent the wire harness from contacting the linkages.



12. Moving to the under side of the tractor, pull all the slack through and secure harness with zip tie to the tractor harness (L). Continue routing the wire harness parallel with the tractor harness towards the right rear of the tractor.

**NOTE: EASE OF HARNESS ROUTING CAN BE IMPROVED BY REMOVING THE MOWER DECK OR TRACTOR FOOTBOARD.**



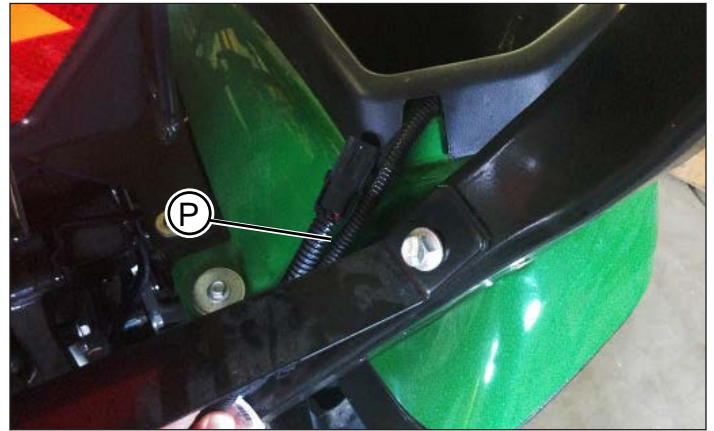
13. Continue at the rear right side of the vehicle, secure the harness with a zip tie to the loom (M) along the right rear main frame of the tractor.



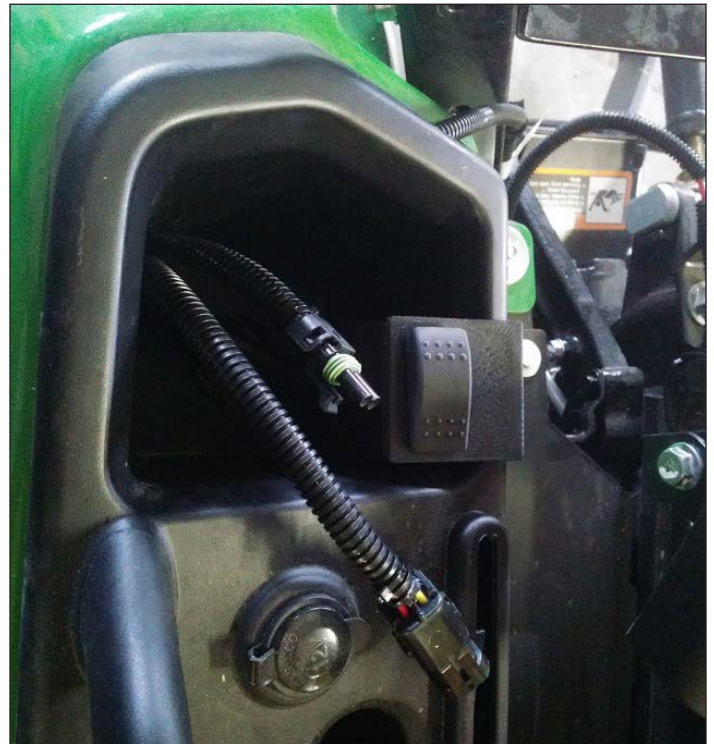
14. Working from the rear of the tractor, continue routing the wire harness up the ROPS and secure to the existing harness (N).



15. Secure the plug to the loom (P) and bundle up any excess wire.



16. Install the Switch Harness into the Mounting Bracket. Hang the switch assembly in the storage Compartment as shown.



17. Secure the switch assembly with the supplied screws in the two locations (Q) using a Phillips head screw driver. The seat will fold forward to allow for more room for installation.



18. Connect the longer wire from the switch to the power plug and the short wire to the actuator on the TKV20.



## Warranty

TerraKing products are guaranteed to be free from defects in material and/or workmanship and to perform as advertised when properly assembled, installed, used, and maintained in accordance with written instructions. Failure to adhere to this will void the warranty. TerraKing will not be responsible for labor, loss, or consequential damage of any kind or character caused by defective parts, or for charges incurred in the replacement or repair of defective parts. TerraKing reserves the right to request photos or return of damaged/defective parts. To submit a claim, please have your original purchase date and a copy of your receipt (if available).

## Warranty Period

The TerraKing Wiring Harness Kit is warranted for a period of 1 (one) year after the purchase date for residential use, and 6 (six) months after the purchase date for commercial use. This product is warranted by TerraKing to the original purchaser/customer against defects in material and workmanship under normal operating conditions.