

Kubota Alternator Upgrade

Based on B7311 kit from Kubota

Fits B2301, B2601 tractors, but may fit others

Wiring harness schematic appears to be common across multiple models

Disclaimer: Perform this at your own risk. I have done the best research possible for the two models listed for fitment.

Estimated Total Cost of Project: \$150-\$175 (building your own harness)

Kubota Dealer Parts List

Save money by sourcing these items elsewhere, or DIY

Description	Part #	Price	Source
STAY, DYNAMO *- replaces #16241-64420	16241-64422	\$8.49	Messicks / Dealer
BOLTW/WASHR- BOLT,SEMS	01123-50825	\$1.06	Messicks / Dealer
WASHER, PLAIN- WASHER,PLAIN	04015-50080	\$0.32	Messicks / Dealer
Belt- replaces #14911-97012	1G062-97010	\$25.99	Messicks / Dealer
Alternator & Core- replaces #16241-64010	16241-64012	\$281.03	AMAZON (see next page)
BOLT- HEX.BOLT	01173-51085	\$2.65	Messicks / Dealer
WASHER, PLAIN- WASHER,PLAIN	04011-50100	\$0.32	Messicks / Dealer
COLLAR- COLLAR,ALTERNATOR	6C040-95330	\$8.88	Messicks / Dealer
WASHER, SPRING M- WASHER,SPRING LOCK	04512-50100	\$0.58	Messicks / Dealer
NUT- HEX.NUT	02176-50100	\$0.70	Messicks / Dealer
GAUGE, OIL- replaces #16224-36412	16224-36410	\$30.64	MODIFY (BEND) EXISTING
RELAY, COMP- replaces #68881-53542	68881-53540	\$26.58	AMAZON (see next page)
WIRE HARNESS- ASSY WIRE HARNESS	6C040-95310	\$147.42	MAKE YOUR OWN (see further)
FUSE, SLOW BLOW- FUSE	17478-60080	\$8.66	AMAZON (see next page)
35381-64150- BAND CORD	35381-64150	Call	HARDWARE STORE
INSTALL. INSTR.- replaces #6C040-95340	6C040-95342	\$8.33	Messicks / Dealer (Optional)
	Total parts from Dealer	\$57.32	

Amazon Parts List

Description	Part #	Price	Source
Alternator & Core- replaces #16241-64010	16241-64012	\$65.00	https://www.amazon.com/gp/product/B00S6MW70A
RELAY, COMP- replaces #68881-53542	68881-53540	\$3.75	https://www.amazon.com/gp/product/B07M7CWK8S/
FUSE, SLOW BLOW- FUSE	17478-60080	\$6.99	https://www.amazon.com/gp/product/B07Q56214G (50A circuit breaker)
	Total parts from Amazon	\$75.69	

Shopping Cart



New Alternator For Kubota 100211-1670 16231-24011 16241-64010 16241-64011

In Stock
prime

This is a gift Learn more

Qty: 1

Price

\$64.95



ZOOKOTO 12V-28V 50 Amp ATV Manual Resettable Circuit Breaker Fuse holder with Black Cover 50A

Only 5 left in stock - order soon

prime

This is a gift Learn more

Qty: 1

\$6.99



AUTUT DC 12V 40A 4 Pins SPST Alarm Relay for Car Auto Van Boat Truck 2 Pcs

Only 4 left in stock - order soon

prime

This is a gift Learn more

Qty: 1

\$3.75

Subtotal (3 items): **\$75.69**

DIY Wiring Harness

Based on B7311 kit from Kubota

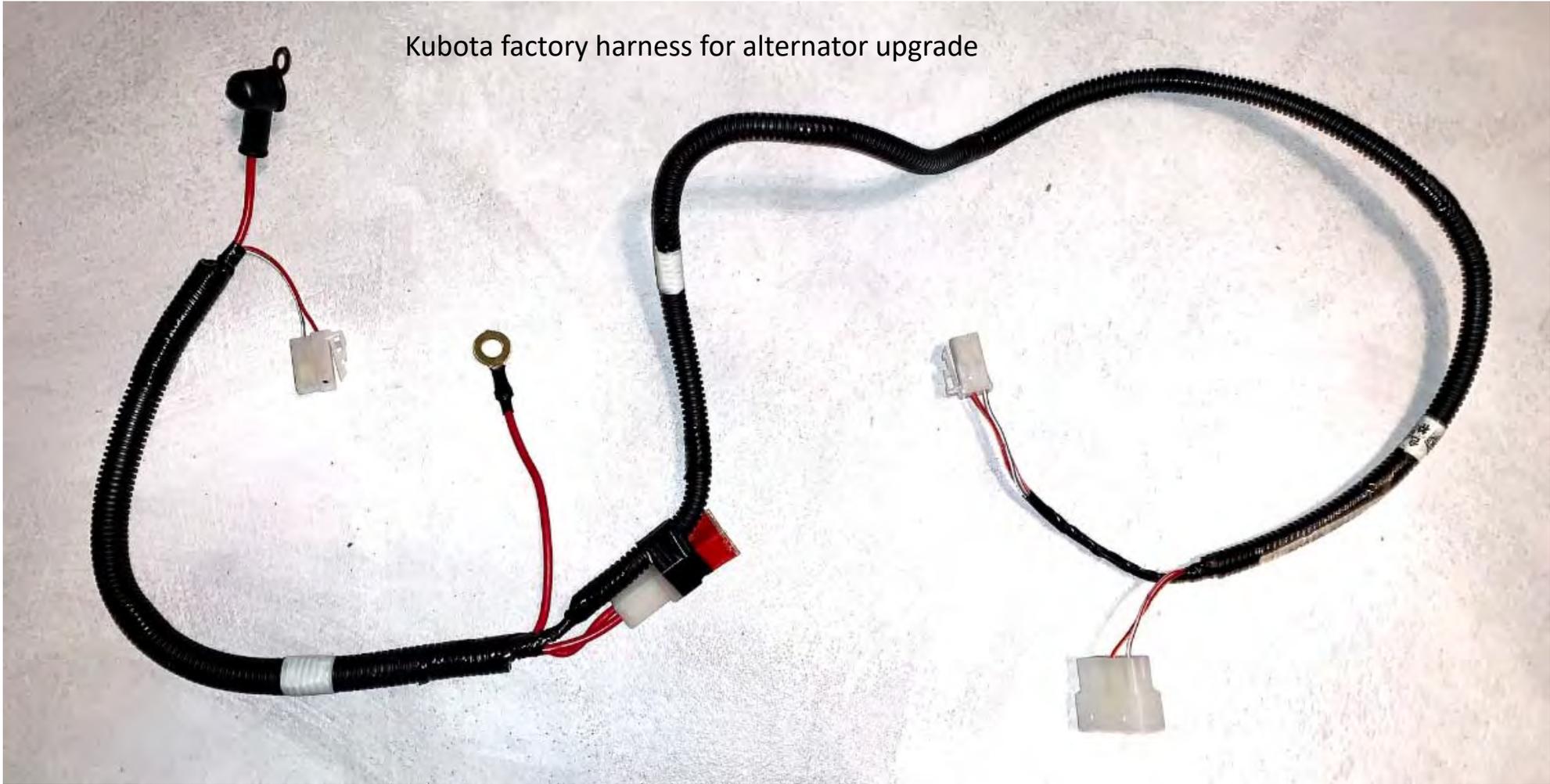
Fits B2301, B2601 tractors, but may fit others

Wiring harness schematic appears to be common across multiple models

Disclaimer: Perform this at your own risk. I have done the best research possible for the two models listed for fitment.

If you don't feel comfortable DIY, consider spending the \$150 on the factory harness listed on the Kubota Dealer Parts List

Kubota factory harness for alternator upgrade





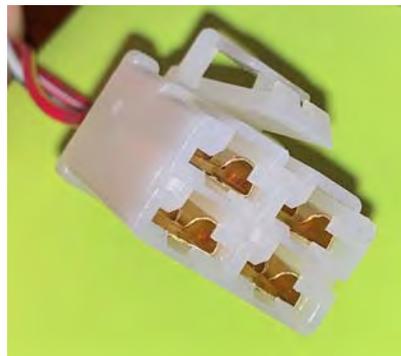
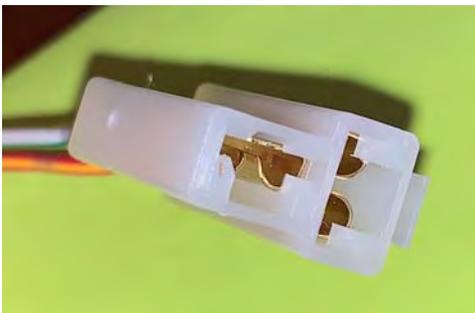
Alternator 2-pin connector
(Female spade)



Relay 4-pin connector
(Female spade)



Regulator replacement 6-
pin connector (2 used)
(Male spade)



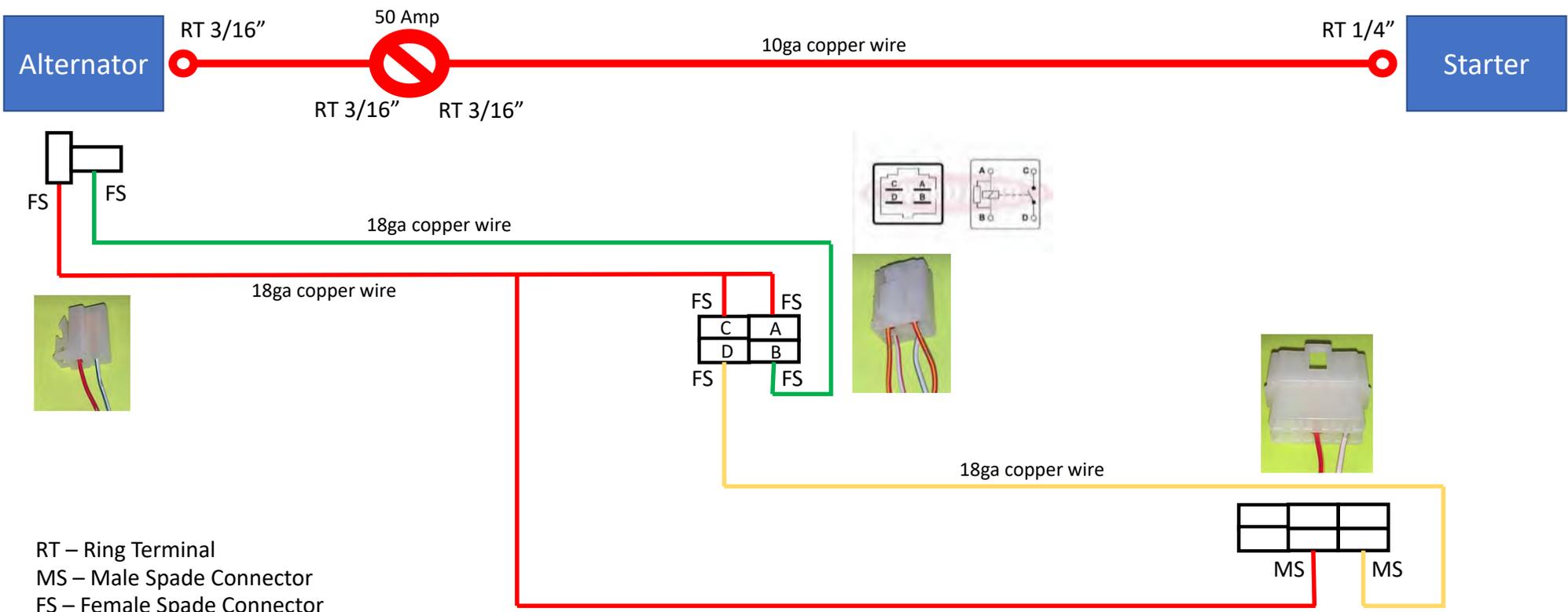
Parts List for DIY wiring harness

- 3 ft 10ga copper wire (red)
- 25 ft 18ga copper wire (red)
- 6 ft 18ga copper wire (green)
- 3 ft 18ga copper wire (yellow)
- 3 yellow heat-shrink ring terminal (3/16" i.d.)
- 1 yellow heat-shrink ring terminal (1/4" i.d.)
- 6 blue heat-shrink female spade terminal
- 2 blue heat-shrink male spade terminal
- 10 wire ties
- Electrical tape
- 6 ft split-loom tubing (1/2" i.d.)
- Crimp tool for insulated terminals
- Heat source for heat-shrink terminals

Wiring harness color code replacements

Factory Harness Color	DIY Harness Color
Red 10 ga	Red 10 ga
Red w/Yellow stripe 18 ga	Red 18 ga
White w/Green stripe 18 ga	Green 18 ga
White w/Red stripe 18 ga	Yellow 18 ga

Photos of the connectors for the factory harness are shown to illustrate how they would connect to the various components. Obviously, if you don't have the factory harness, you would use the female/male spades to connect to the terminals.



RT – Ring Terminal
 MS – Male Spade Connector
 FS – Female Spade Connector
 Circuit breaker

Miscellaneous Notes

- You may use the relay as listed from Amazon, as it matches the relay that comes from the Kubota kit, however, most any SPST or SPDT relay will work (if connected properly)
 - The regulator for the dynamo is external, and requires more connections.
 - When you replace the dynamo with the alternator, the alternator has the regular built in
 - Without going into great detail, the basic purpose of the relay in this harness is to send a voltage signal to the dashboard that the “system is charging” once the alternator is spinning.