

2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS

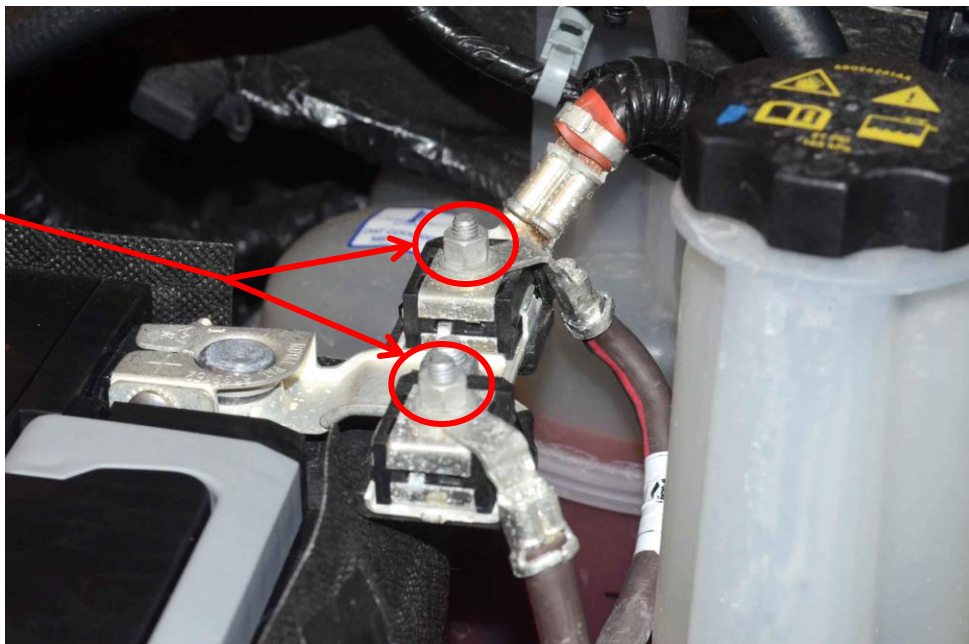
Left (Driver) Side Battery B- Connector



If a high amperage cable (with a thick ring terminal) is to be installed on the left side battery B- connector, the OEM nut shown above can be replaced with a thinner nut. Use part number 06502720 (available from Mopar) which is 3mm thinner. Torque to 11.0Ft./Lbs. (± 2.0 Ft./Lbs.).

Do not exceed 13Ft./Lbs.

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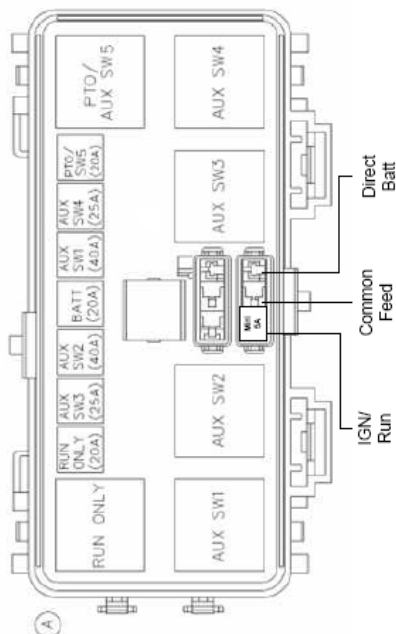
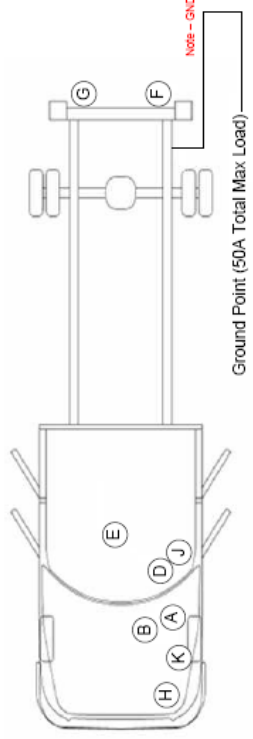
Left (Driver) Side Battery B+ Connector**Do not install wiring / terminals of any kind at this location****Right (Passenger) Side Battery B+ Connector****Do not install wiring / terminals of any kind at these locations**

2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS

CAB CHASSIS UPFITTER SCHEMATIC

2013 3500/4500/5500
RAM Truck Upfitter
Schematic
Date: Mar 19, 2013

- (A) Note - Aux PDC Underhood
- (B) Note - 2 Upfitter Connectors
- (D) Note - Port Upfitters Connectors, Under Dash Board near Park Brake Brake.
- (E) Note - PTO Connector Wires located underneath vehicle at Transmission Bell Housing, Drivers Side
- (F) Note - Vehicle Wiring, Heat Shrink Rear of Frame
- (G) Note - Heat Shrink wires located at left rear of under main PDC box forward of battery
- (H) Note - VGM Module located interior of vehicle under dash
- (J) Note - Aux SPDO Jumper connector, alongside left fender inner
- (K)



Notes -
 Max Combined Fuse size allowed in box is 190A. Fuses can be relocated in box as necessary.
 Max allowable combined total continuous current draw is 133A.
 Max fuse size in any one location is 40A.

*The upfitter/customer is responsible for the correct fuse in the correct location depending on the actual load.
 Amperages shown in schematics are for fuses/circuits as installed for the vehicle as sold and will change as fuses are reconfigured.

5A Mini Fuse can be swapped between Battery and Ignition. This changes the function of AUX SW1 and AUX SW2 from Battery operated to Ignition/Run operated.

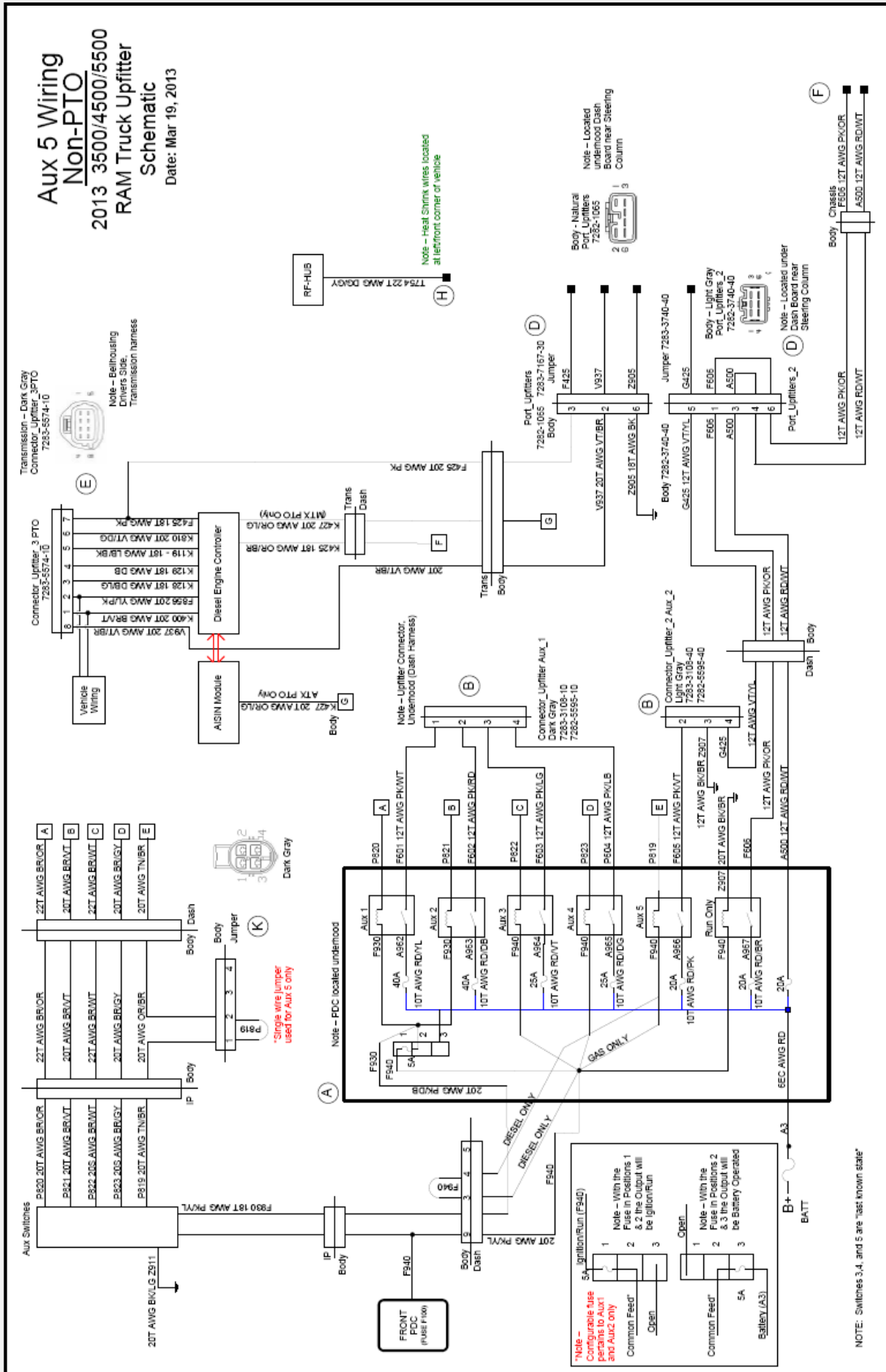
FUSE RATING	MAX ALLOWABLE CONTINUOUS CURRENT DRAW PER FUSE RATING	
	MAX ALLOWABLE CONTINUOUS CURRENT	
20A	14A	
25A	17.5A	
40A	28A	



2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS

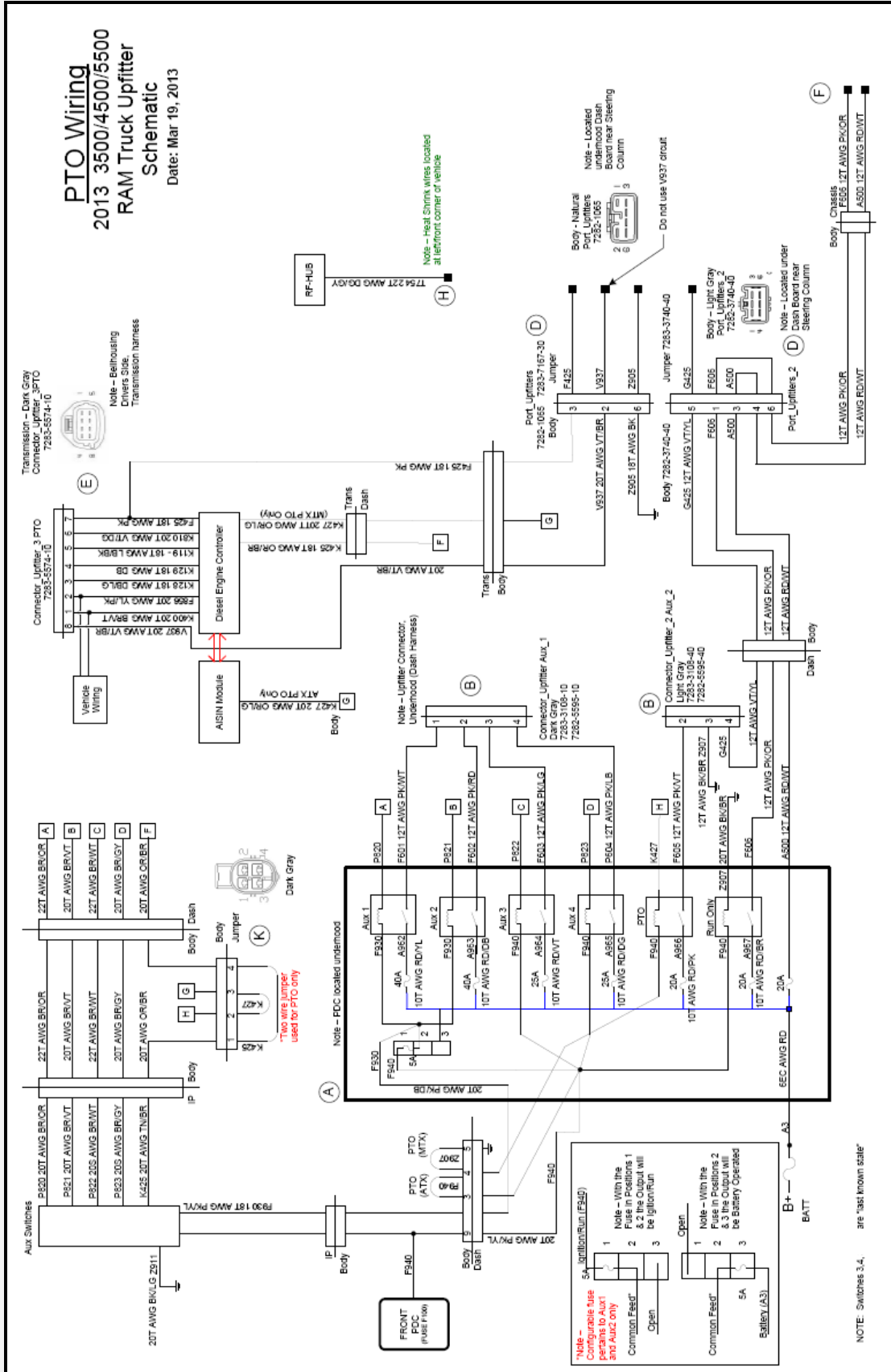
Aux 5 Wiring Non-PTO 2013 3500/4500/5500 RAM Truck Upfitter Schematic

Date: Mar 19, 2013

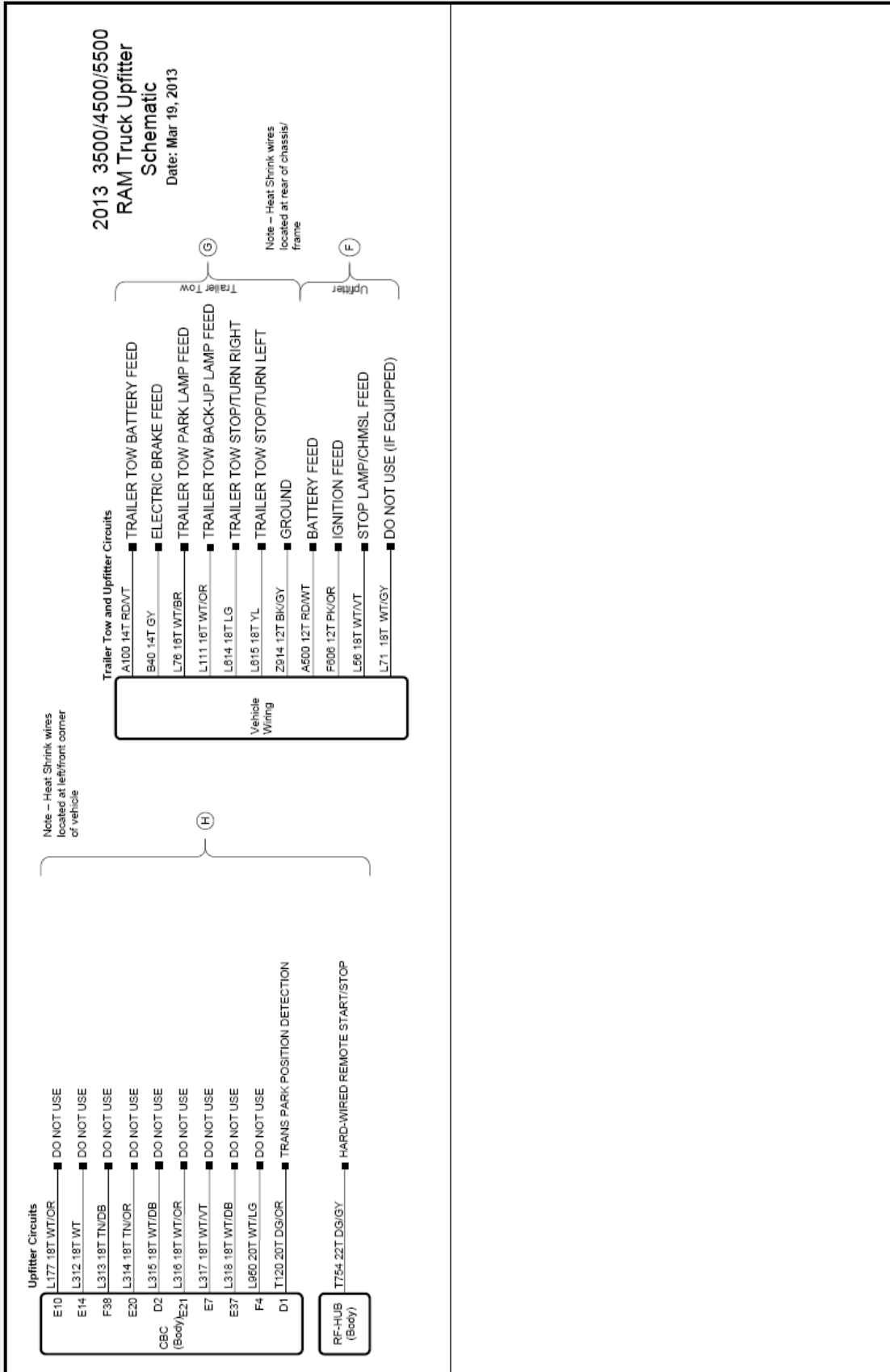


2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS

PTO Wiring 2013 3500/4500/5500 RAM Truck Upfitter Schematic Date: Mar 19, 2013



2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS



2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS

Upfitter Jumper Kit

2013 3500/4500/5500
RAM Truck Upfitter
Schematic
Date: Mar 19, 2013

PTO Connector
7283-5574-10



(E)

- 1 K400 (ENG) - ACCEL PEDAL EGS (SWR RTN) 20T AWG BRVT
- 2 F555 (ENG) - SV ENGINE SNIER FEED SEC. 20T AWG YL/PK
- 3 K128 (ENG) - REMOTE THROTTLE SWITCH SIGNAL 20T AWG DB/LG
- 4 K103 (ENG) - REMOTE THROTTLE SWITCH RT AWG DB/LG
- 5 K119 (ENG) - MAXIMUM OPERATING SPEED SWITCH 20T AWG LG/BLK
- 6 K510 (ENG) - ACCELERATOR INTERLOCK SWITCH 20T AWG VT/DG
- 7 F425 (PWR) - POWER TAKEOFF SWITCH 1 20T AWG PK
- 8 V937 (SCS) - SPEED CTRL SW RTN) 20T AWG VT/BR

Jumper
Port Upfitters
7283-7167-30



(D)

- 1 V937 (SCS) - SPEED CTRL SW RTN) 20T AWG VT/BR -- DO NOT USE V937 CIRCUIT
- 2 F425 (PWR) 20T AWG PK
- 3
- 4
- 5
- 6

Dash - Dark Gray
Connector Upfitter Aux_1
7283-5108-10
7283-5595-10



(B)

Note - Each Circuit can handle maximum continuous current of 25A. Maximum the Upfitter should be responsible for this current in the correct location depending on the actual load.

- 1 F601 (RELAY 1 OUTPUT) 12T AWG PK/WT
- 2 F602 (RELAY 2 OUTPUT) 12T AWG PK/RD
- 3 F603 (RELAY 3 OUTPUT) 12T AWG PK/DG
- 4 F604 (RELAY 4 OUTPUT) 12T AWG PK/LB

Jumper
Port Upfitters_2
7283-5140-10



(D)

- 1 F605 (PWR - IGN RUN 22) (Output - 20A) 12T AWG PK/YL
- 2 A500 (PWR - BATT FEED 12) 12T AWG RD/WT
- 3
- 4
- 5 G425 (GND) 18T AWG BK/DG
- 6

Dash - Light Gray
Connector Upfitter Aux_2
7283-5108-20
7283-5595-40



(B)

- 1
- 2 F605 (RELAY 5 OR PTO RELAY OUTPUT) 12T AWG PK/WT
- 3 F607 (GND) 12T AWG BK/BR
- 4 G425 (POWER TAKEOFF SYSTEM STATUS BULLB) 12T AWG VT/YL

Jumper
PTO
7283-5543-10
(See Page 9 for
Manufacturing Specs)



(K)

- 1
- 2 M427 20T OR/LG
- 3
- 4 M425 18T OR/BR

Jumper
NON-PTO
7283-5543-10
(See Page 10 for
Manufacturing Specs)



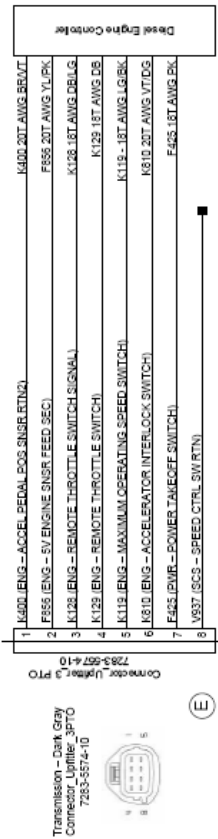
(K)

- 1 B919 20T TN/BR
- 2
- 3
- 4

2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS

2013 3500/4500/5500
RAM Truck Upfitter
Schematic
Date: Mar 19, 2013

Circuit Definition PTO Connector and Pin-Out (Transmission Bellhousing, Driver's Side)



Exterior Lighting Modifications/LED

If the rear stop/turn incandescent bulbs are to be replaced with LED's, the rear bulb out detection must be disabled. Refer to the "Exterior Lighting Modifications/LED's" chapter for complete instructions.

www.rambodybuilder.com/2013/docs/cc/dddpextitmod.pdf

2013 CHASSIS CAB UPFITTER WIRING INTERFACE INSTRUCTIONS

Cab Chassis Upfitter Kit Detail 68209998AB (or 68209998AA and discard the paper sheets)

2013 3500/4500/5500
RAM Truck Upfitter
Schematic
Date: Mar 19, 2013

KIT PN 68209998AB

- *Upfitter Connection Jumper
- *8 – 12 GA Circuits for AUX Connectors 1 & 2
- *8 – 20 GA Circuits for the Transmission PTO Connector
- *2 – PTO/Non-PTO Jumper Connectors

The Vehicle has been equipped to ease the insulation of a PTO by allowing convenient access to circuits needed without having to splice into the main harness. Two (2) of the upfitter connections are beneath the steering wheel near the engine compartment groundnet (LT Side).

Located left of Main PDC Box and along the fender inner (location K) is a dark gray jumper connector that allows the vehicle function to switch between PTO and non-PTO operation. The required jumpers are located in the Upfitter Kit. Verify proper jumper usage by reviewing jumper design on previous pages.

In the rear of the vehicle, you can find all required T-TOW circuits, and two (2) additional power circuits (1 Battery and 1 Ignition) in the Engine compartment you will find two (2) (Light Grey and Dark Grey) Upfitter connectors (location B) which allow easy access to the switch bank and fuse box outputs, mating terminated circuits are included in the kit as needed.

On the upper left (driver's) side of the transmission you will find one (1) Upfitter connector (location E) which allows easy access to the PTO functions. Mating terminated circuits are included in the kit. Use as needed.

The Battery line to the AUX PDC is protected by a wire fuse link.

Warning about adding auxiliary batteries:

An auxiliary battery may be used, however a battery isolation unit is not supplied and the auxiliary battery may discharge the truck battery when the engine is not running.

Ground Studs on the chassis/frame may be utilized as a grounding point with a 50A Maximum total load, see "Vehicle Ground Locations" section in the RAM Body Builder Guide, Electrical/Wiring Information

