



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. (± 2.0Ft./Lbs.).

Do not exceed 13Ft./Lbs.

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

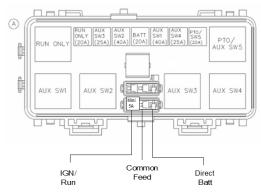


Right (Passenger) Side Battery B+ Connector Do not install wiring / terminals of any kind at these locations



Ground Point (50A Total Max Load)

"Note— Configurable fuse pertains to Aux" and Aux2 only Common Feed" Open SA IgnitionFlun (F940) Note—With the Fuse in Positions 1 8.2 The Output will be Igilion/Run The Same of Same of



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.

3500/4500/5500 CHASSIS CABS RAM Truck Upfitter Schematic

- Note Aux PDC Underhood
- Note 2 Upfitter Connectors
- Note Port Upfitters
 Connectors, Under
 Dash Board near park
 brake bracket / Steering Column
- Note PTO Connector
 Wires located underneath
 vehicle at Transmission Bell
 Housing, Left (Driver) Side
 for Cummins and Right
 (Passenger) side for Gas
- Note Vehicle Wiring, Blunt Cut (with Heat Shrink) Rear of Frame
- Note Blunt Cut (with Heat Shrink) wires,along side Left (Drivers side) fender
- Note VSIM Module located interior of vehicle under dash
- Note Aux 5/PTO jumper connector, alongside left (Drivers Side) fender inner
- (L) Rear Camera Connector

Notes -

Max Combined Fuse "rating" allowed in box is 190A. Fuses can be relocated in box as

Max allowable combined total continuous amperage draw is 133A.

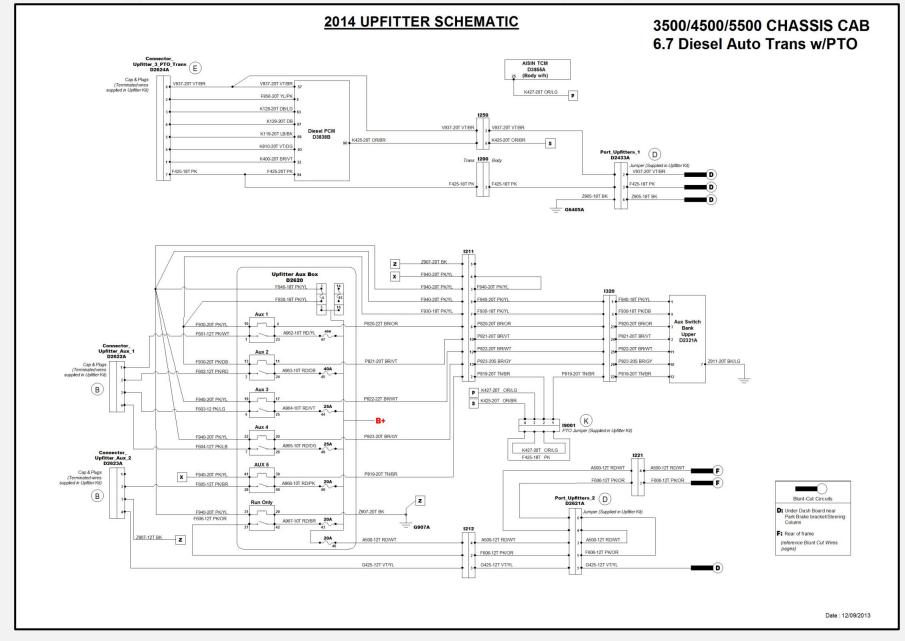
Max fuse "rating" in any one location is 40A.

*The upfitter/customer is responsible for placing the correct fuse in the correct location depending on the actual load.

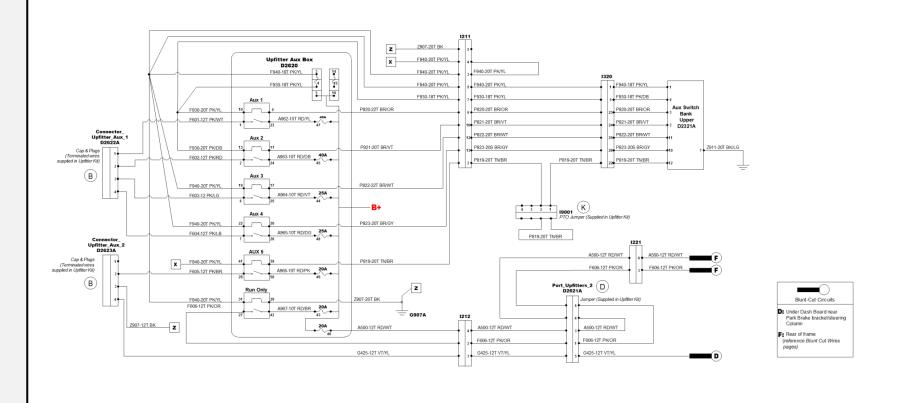
*Amperages shown in schematics are for fuses/circuits as installedfor the vehicle as sold and will change as fuses are reconfigured.

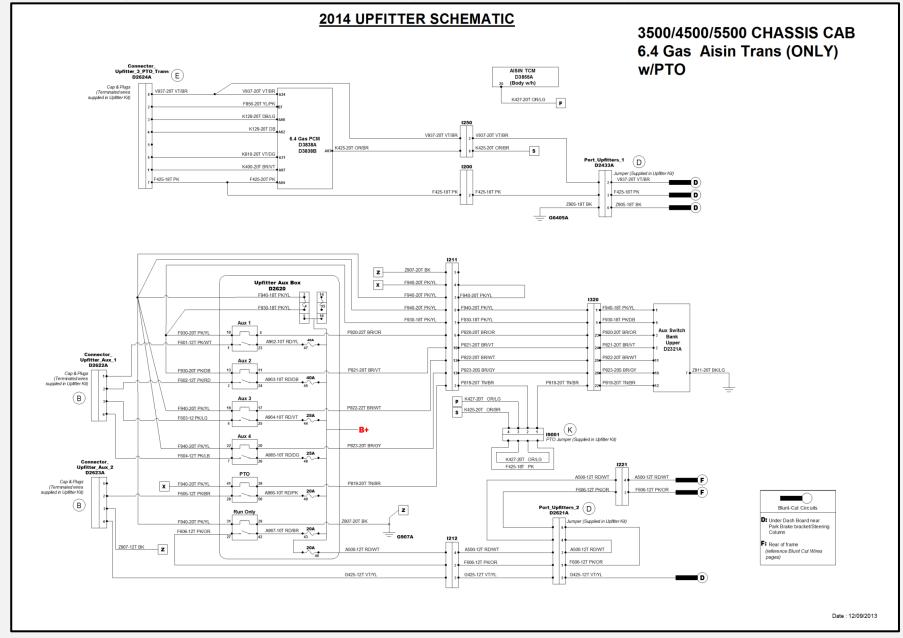
MAX ALLOWABLE CONTINUOUS AMPERAGE DRAW PER FUSE RATING

FUSE RATING	MAX ALLOWABLE CONTINUOUS AMPERAGE
20A	14A
25A	17.5A
40A	28A

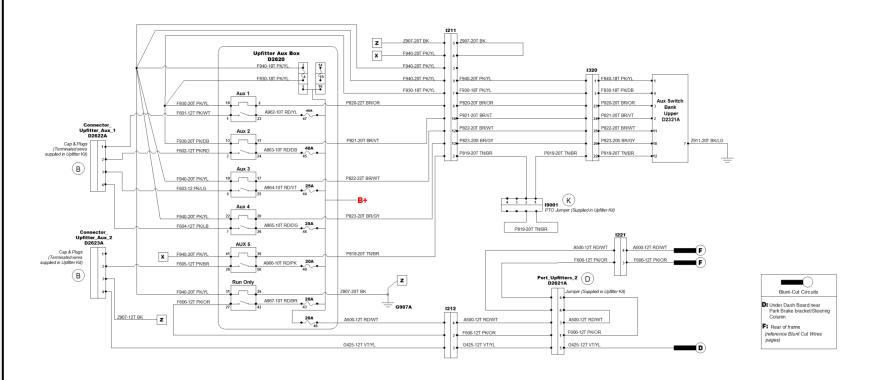


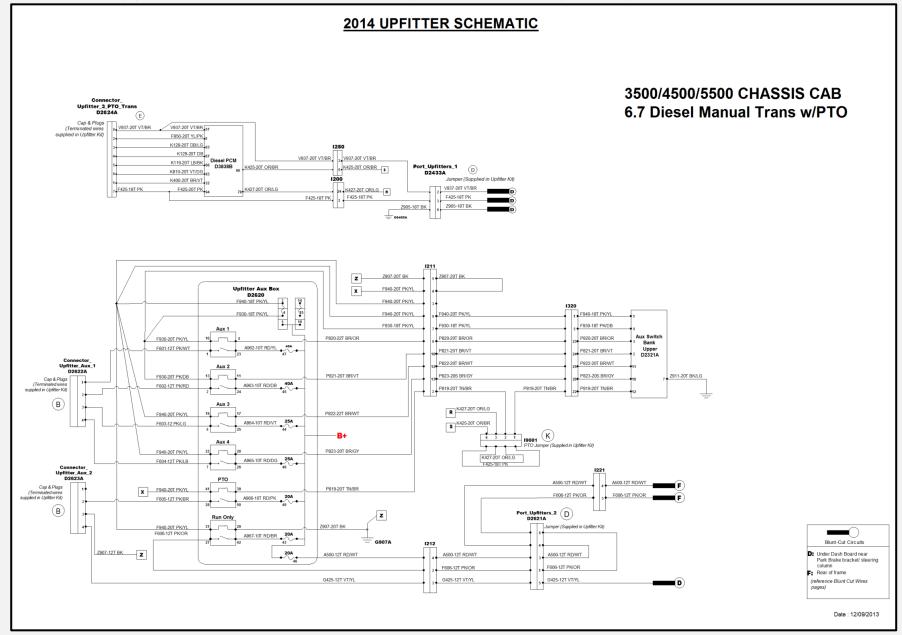
3500/4500/5500 CHASIS CAB 6.7 Diesel 5.7/6.4 GAS Auto Trans Non - PTO





3500/4500/5500 CHASSIS CAB 6.7 Diesel Manual Trans non-PTO





2014 UPFITTER SCHEMATIC Blunt Cut Wires 3500/4500/5500 CHASSIS CAB "G" Blunt Cut wires located at Right (Passenger side) Rear of Frame A100-14T RD/VT (Trailer Tow Battery feed) B40-14T GY (Electric Brake feed) L76-16T WT/BR (Trailer Tow Running/Park Lamps fee L111-16T WT/OR (Trailer Tow Back-up Lamps feed L614-18T LG (Trailer Tow Stop/Turn Right) L615-18T YL (Trailer Tow Stop/Turn Left) Z914-12T BK/GY (Ground) MAXIMUM AMPERAGE ALLOWED FOR THESE TRAILER TOW CIRCUITS ARE AVAILABLE IN THE" ELECTRICAL POWER USAGE CHAPTER OF ELECTRICAL/WIRING INFORMATION OF THE BODY BUILDER GUIDE "H" Blunt Cut wires located along side left(Drivers Side) L177-18T WT/BR (DO NOT USE) L312-18T BK/VT (DO NOT USE) L313-18T BK/LG (DO NOT USE) L314-18T BK/TN (DO NOT USE) L315-18T BK/LB (DO NOT USE) L316-18T BK/OR (DO NOT USE) L317-18T WT/VT (DO NOT USE) _318-18T WT/DB (DO NOT USE) VEHICLE WIRING T754-22T DG/GY (HARD-WIRED REMOTE START/STOP) A500-12T RD/WT (Battery feed) T120-20T DG/OR (TRANS PARK POSITION DETECTION) F606-12T PK/OR (Ignition Run feed) L56-18T WT/VT (Stop Lamp signal / CHMSL feed) .950-20T LG/WT (REAR BULB OUTAGE DETECTION DISABLE V937-20T VT/BR (Speed Control Switch return) L779-18T WT/LB (SEPARATE REAR STOP / TURN LAMPS) F425-20T PK (PTO switch) Z905-18T BK/DG (Ground) "F" Blunt Cut wires located at Left(Drivers Side) Rear of Frame G425-12T VT/YL (Spare Circuit - Pass Thru) "D" Blunt Cut wires are part of the Upfitter Ports 1 & 2 Jumpers located under Dash near Park Brake Bracket/Streering Column Date: 12/09/2013

Bagged Upfitter Kit Detail 68209998AB 3500/4500/5500 CHASSIS CAB ONLY

- *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 installation of a PTO by allowing convenient access to circuits needed without having to splice into the main harness.

Located left of Main PDC Box and along the left (Drivers Side) 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, two (2) additional power circuits (1 Battery and 1 Ignition) and a Stop Lamp / Chmsl Feed Circuit

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.

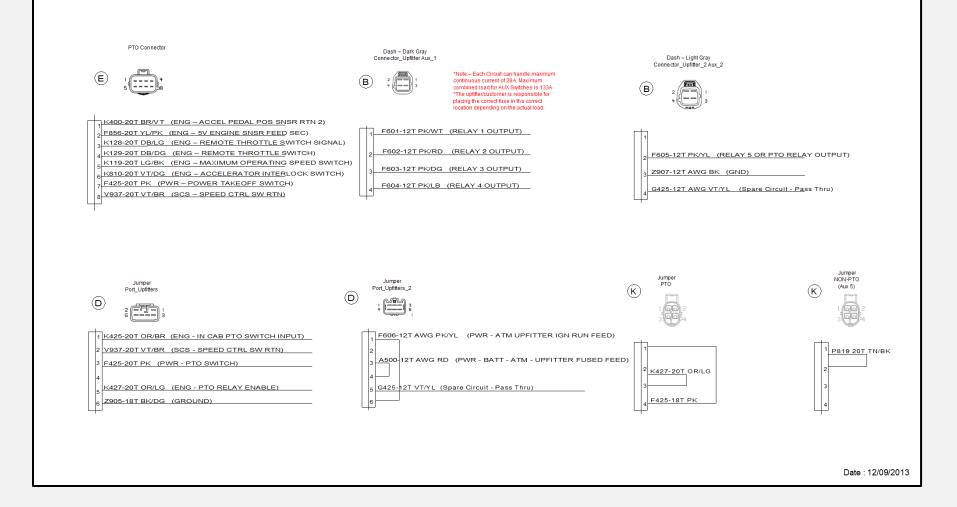
The Battery line to the AUX PDC is protected by a wire fuse link.

Warning about adding auxiliary batteries:

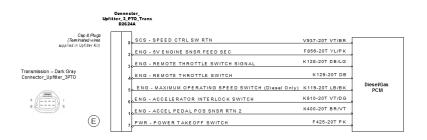
An auxiliary battery may be used, however a battery isolation unit is not supplied and the auxiliary battery may discharge the truck battery when the engine is not running.

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

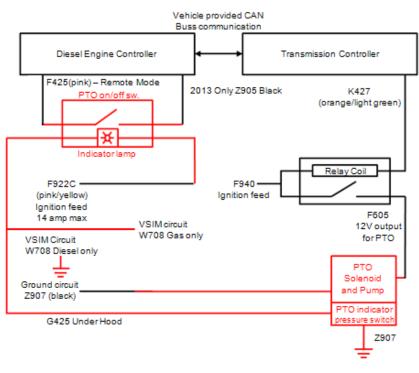
Upfitter Jumper Harness Only 68049501AB 3500/4500/5500 CHASIS CAB ONLY



PTO CONNECTOR Underweath Vehicle at Transmission Circuit Function and Pin - Out 3500/4500/5500 CHASSIS CAB ONLY



Aisin Automatic Transmission Remote Mode



Notes:

Remote mode uses an upfitter installed PTO switch Z905 and F425 are circuits that can be found located under the dash just in board of the park brake pedal

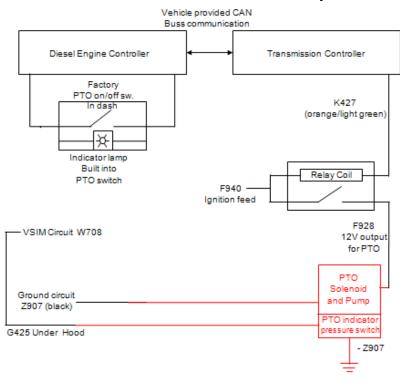
F922C and Z907 can also be found in the same area described above

All other wiring, switches, relays and other components will need to be provided by the PTO installer. Anything in black comes with the truck

Do NOT externally ground circuit V937 to anything

You MUST permanently ground VSIM circuit W708 See the VSIM Circuit Definition for more information

Aisin Automatic Transmission in Cab Stationary and Mobil Mode



Notes:

K425, V937 are now connected to the in dash PTO switch, Circuit G425 that that can be found located under the dash just in board of the park brake pedal. Must be connected to VSIM circuit W708

F922C and Z914 can also be found in the same area described above

All other wiring, switches, relays and other components will need to be provided by the PTO installer. Anything in black comes with the truck

The PTO switch is assumed to be installed inside the cab

Do NOT externally ground circuit V937 to anything

You MUST connect circuit G425 to VSIM circuit W708 See the VSIM Circuit Definition for more information