

Second Alternator Installation for SRM Systems

When SpeedTube is installed with other SRM products and total amperage draw is over 200 amps, a second alternator is required. Refer to the Alternator Power Table in the detailed order guide to determine when a second alternator is required. Below is the list of additional parts needed and instructions on how to install a second alternator.

Part Number	Description	Quantity
729157	Tractor Power Harness	2
72941X (length will vary by planter)	Tractor Power Extension	1
729241	Secondary PDM Kit	1
729160	Alternator Kit	1

- 1) Install a tractor power harness to the output side of the solenoid and the ground post in the primary PDM. Route the harness across the planter toward the secondary PDM. Refer to illustration 21.

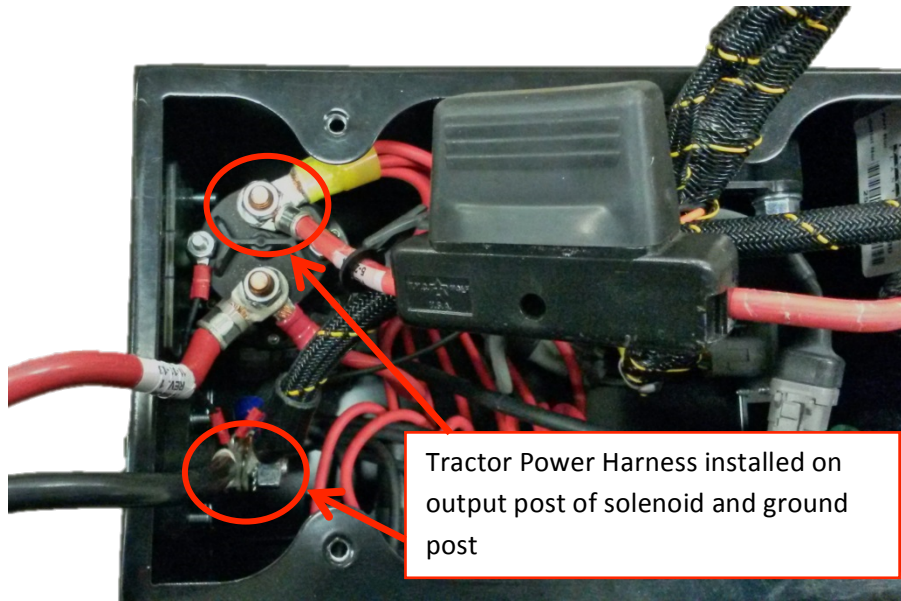


Illustration 21 – Tractor Power Harness Connection to Primary PDM

- 2) Connect the tractor power extension harness to the opposite end of the tractor power harness installed in step 1. Tractor power extension orientation is not specific in this instance.
- 3) Connect the remaining tractor power harness to the open connector on the tractor power extension. Route harnessing to secondary PDM.

- 4) Install the ring terminals on the tractor power harness to the corresponding posts in the secondary PDM. Do not re-install the lock nuts. Refer to Illustration 22.

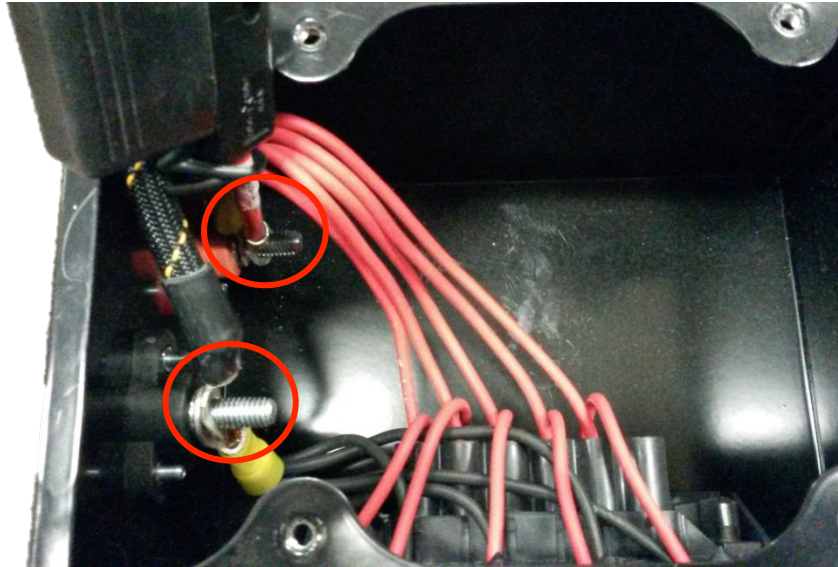


Illustration 22 – Tractor Power Harness Connection to Secondary PDM

- 5) Mount the second alternator within 3 feet of the secondary PDM and connect the power harness included with the secondary PDM to both the secondary PDM and alternator. Re-install each lock nut to the power and ground post. Refer to illustration 23.

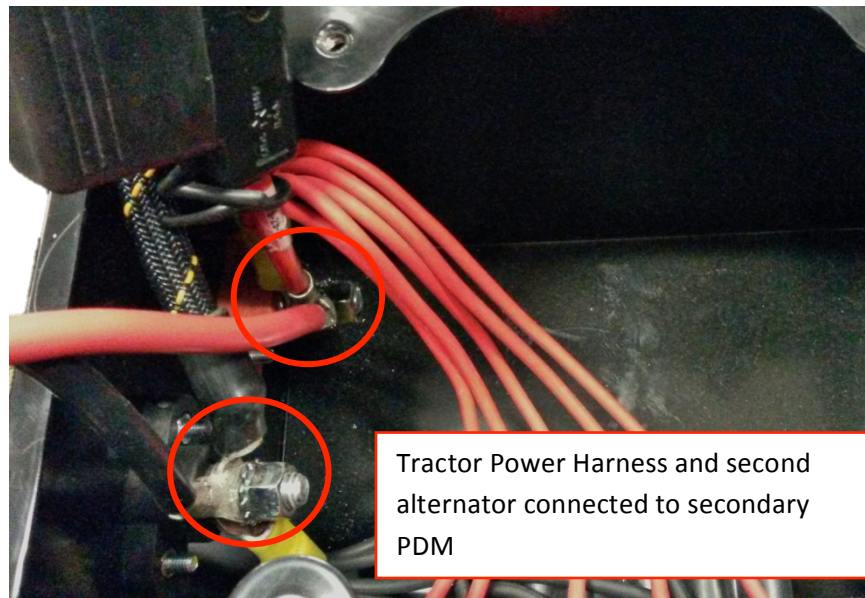
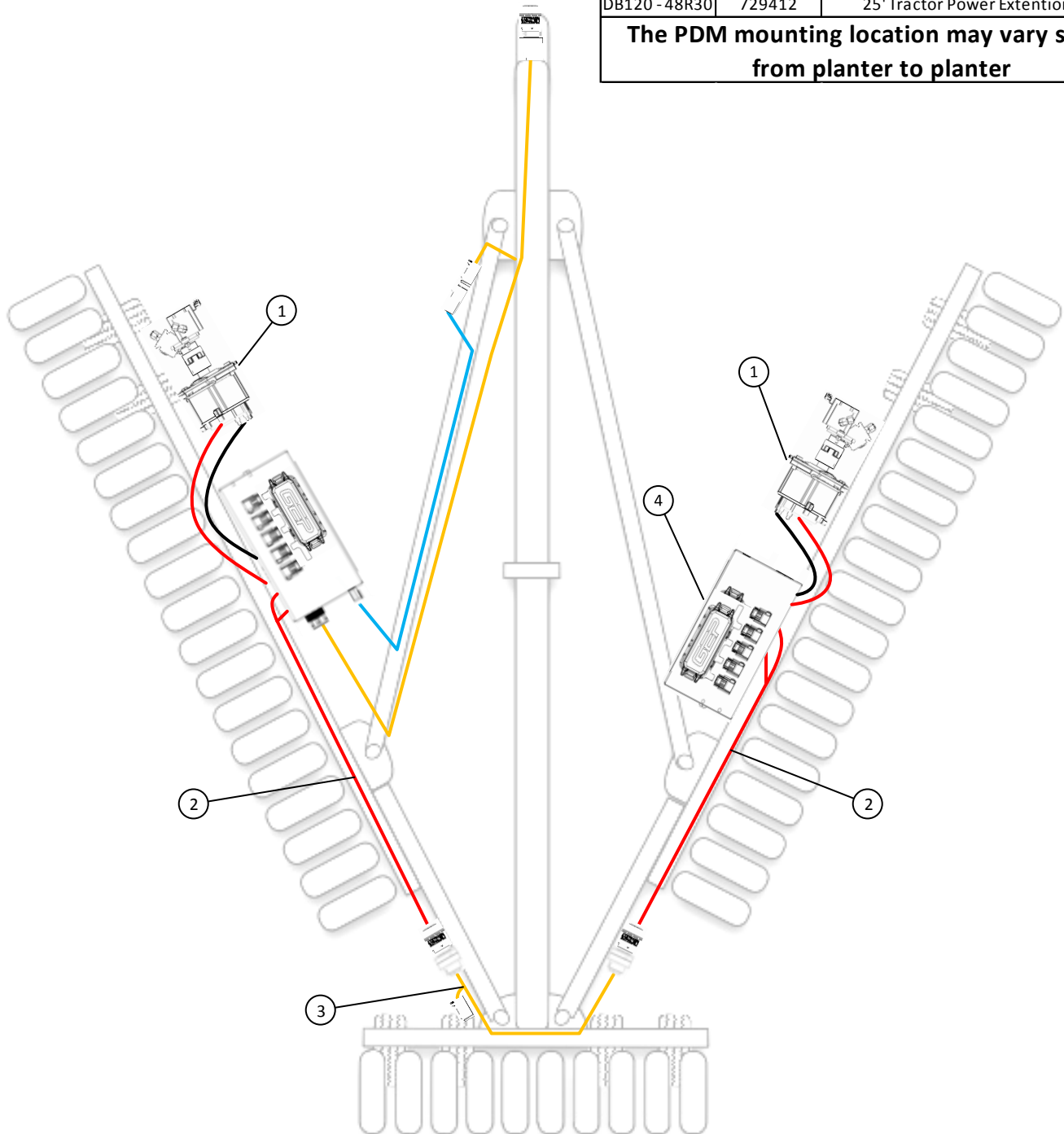


Illustration 23 – Power Connection from Second Alternator to Secondary PDM

Wiring Diagrams for planters requiring a second alternator are available on the Cloud under Technical Documents, SpeedTube.

Secondary PDM and Second Alternator Details

*Refer to planter specific layouts for details on base harness installation. APEX Power Extension lengths will need to be adjusted accordingly with the secondary PDM.



Electrical Systems Overview			
Parts Required for all Second Alternator Installs			
Item	Part NO	Description	QTY
1	729160	Alternator Kit	2
2	729157	Tractor Power Harness	2
3	Tractor Power Extension - See below for specific details		
4	729241	Secondary PDM	1
Tractor Power Extension Lengths for Specific Planter Models			
Planter	Part No.	Description	QTY
DB60 - 47R15	729411	15' Tractor Power Extension	1
DB80 - 48R20	729413	35' Tractor Power Extension	1
DB88 - 48R22	729413	35' Tractor Power Extension	1
DB90 - 54R20	729412	25' Tractor Power Extension	1
DB120 - 48R30	729412	25' Tractor Power Extension	1
The PDM mounting location may vary slightly from planter to planter			