

New Style Battery Disconnect



11/27/2024

Designed with the Paving Professional in Mind.®

Changing Battery Disconnect - 8608

Part Group	Part Number	Part Description	Quantity
DM 430 HD Pro Electrical	1030281	SWITCH, BATTERY DISCONNECT, 36V, 2000 AMP/20 SECOND, IP66 IP67, DPST	1
DM 430 HD Pro Electrical	1011224	BRACKET, BATTERY DISCONNECT SWITCH, PAINTED	1
DM 430 HD Pro Electrical	1030535	CABLE, BATTERY, POS, .38 EYE TO .50 EY, 2/0 AWG, 21"	1
DM 430 HD Pro Electrical	1030536	CABLE, BATTERY, POS, .38 EYE TO .50 EY, 2/0 AWG, 70"	1
DM 430 HD Pro Electrical	1030005	STRAP, CINCH STANDARD DUTY, 8"	1

Locate the kit containing the stated parts.



Open the RH Engine Cover Assembly, and locate the battery disconnect, that is attached to the top back.
Remove the disconnect assembly from the top back.



Remove every connection from the backside of the battery disconnect.

Next, locate the new style battery disconnect and bracket.

Use the following assembly order to attach the new disconnect to the bracket:



- **Assembly Order (Back to Front):**
New Battery Disconnect → New Bracket
→ Battery Disconnect Indication Plate →
Internal Tooth Washer → Jam Nut →
Switch → Flat Head Screw

- Be sure when fastened, that the position of the switch, correctly indicates "On" and "Off".



Fasten the battery disconnect, back to its original position.

Next, locate the supplied battery cables, and replace the existing ones in the machine.

- The end of each cable, that contains the 3/8" eyelet, fasten to the starter and battery.

- The end containing the 1/2" eyelets, will be fastened to the backside of the battery disconnect.



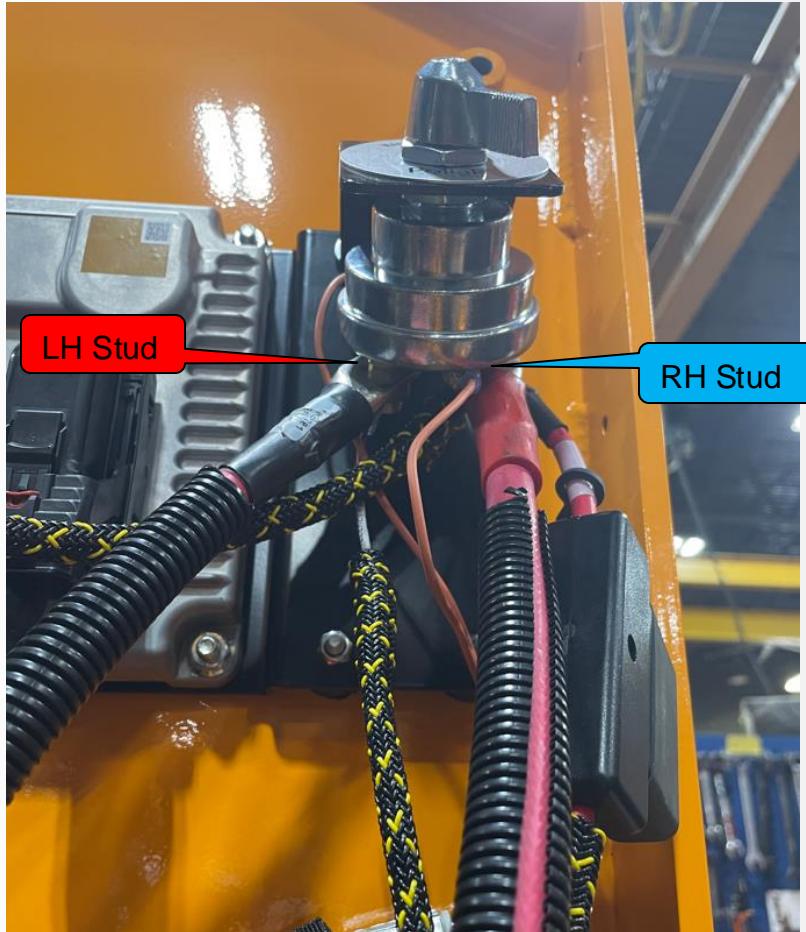
Locate the following cables from the main harness:

- Two orange ISO Cables (C50)

The shorter of the two cables will be mounted on the bottom stud.

The longer cable will be mount on the top stud.

- Run the cable directly underneath the battery disconnect mount.



Attach the following cables from the main harness and fuse harness, in the given order:

- **RH Stud** = Positive Cable (From engine), Power Cable for the Fuse Box, Battery ISO HOT Side (CS1)
- **LH Stud** = Telemetric Power, Positive Battery Cable (Added)



Use one of the 8" Velcro Cinch Straps, to securely hold the harness, below the battery disconnect.