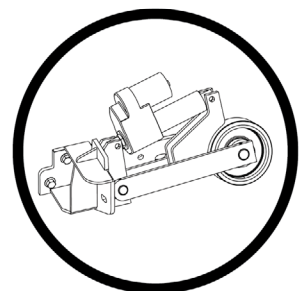




Assembly instruction
5th Wheel Kit



2.Warning and Information

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4. Install 5th Wheel Kit

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2. WARNING AND INFORMATION

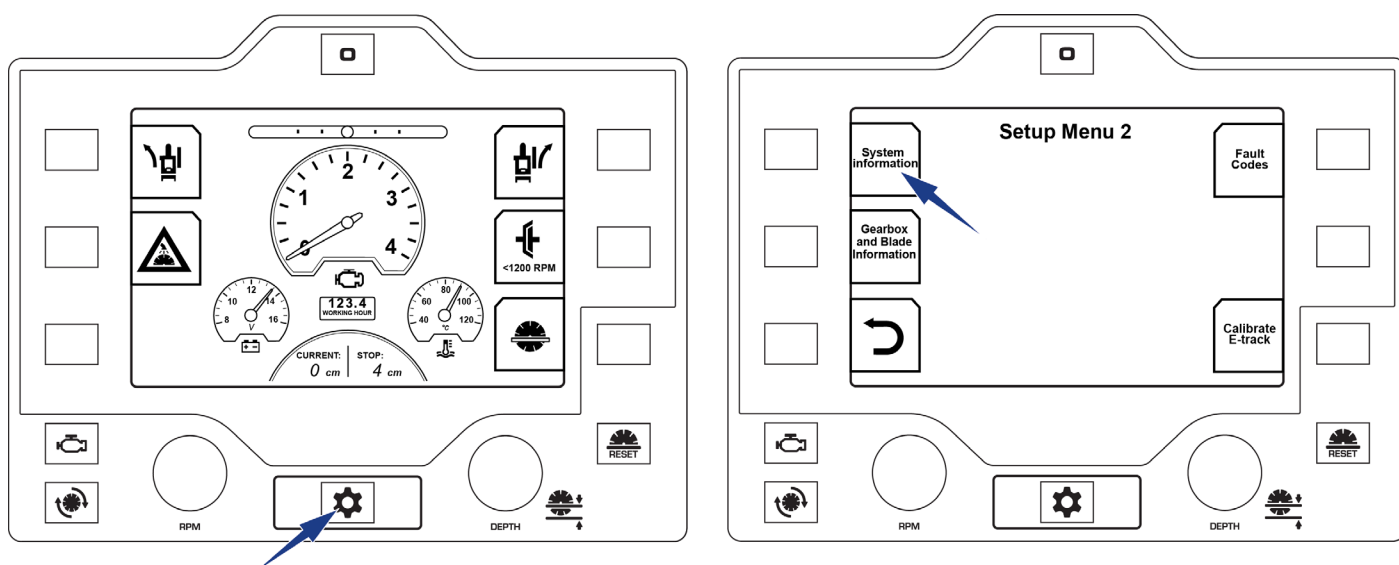
Information about Firmware revision



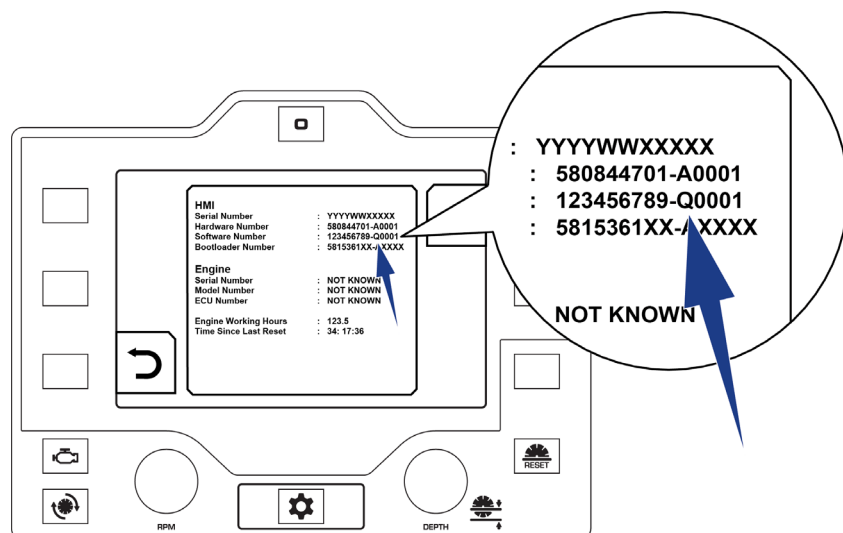
Information!

Make sure to check what software is programmed on the machine before installing the wiring harness. There is 2 chapters of Installing the Wiring harness, one for revision Q or later and another one for revision P or ealier.

To check Firmware revision









To access the Setup Menu 2 press the “Menu” button 2 times.
Enter the “System Information” button



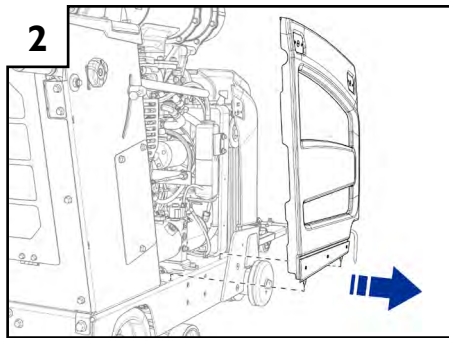
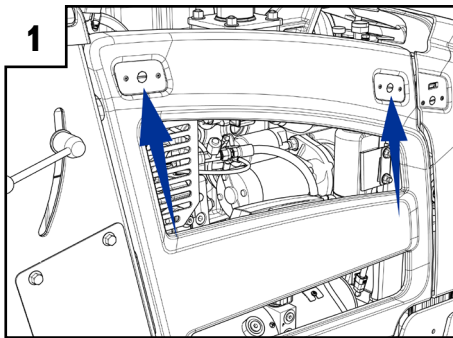
The last letter in the “Software Number” combination is the current firmware revision.

3.TOOLS AND SPECIAL TOOLS

Tools

| Tool | Tool no. | Description |
|---|----------|-----------------------|
|  | | Wrench |
|  | | Screwdriver |
|  | | Socket |
|  | | Drill bit 6,5mm, 14mm |
|  | | Electical Tape |
|  | | Diagonal Pliers |

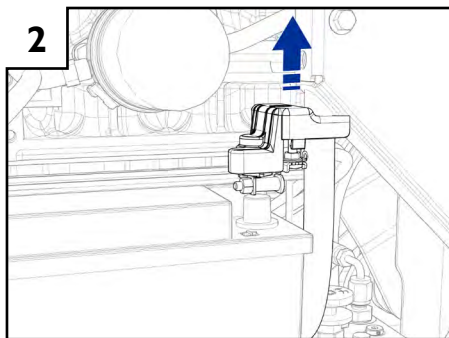
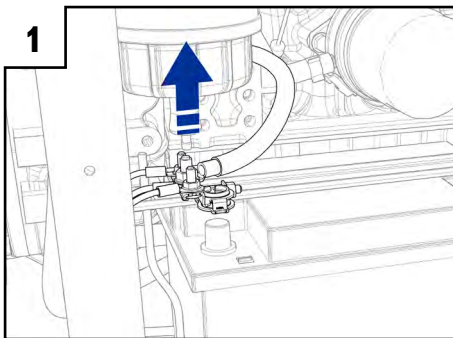
4. INSTALL 5TH WHEEL KIT



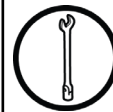
Removing the Side Covers



1. Open the side covers on each side by rotating the two turn slots.
2. Lift the covers up and outwards.

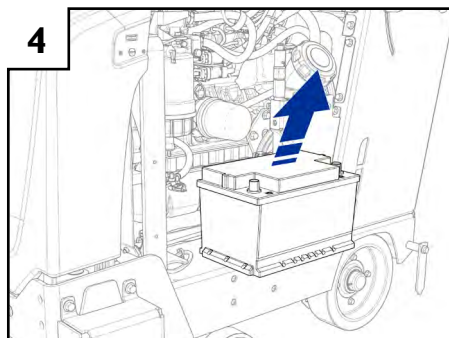
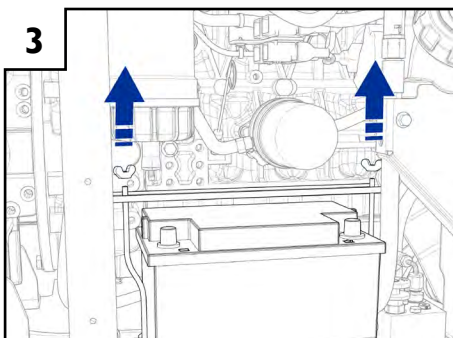


Removing the Battery



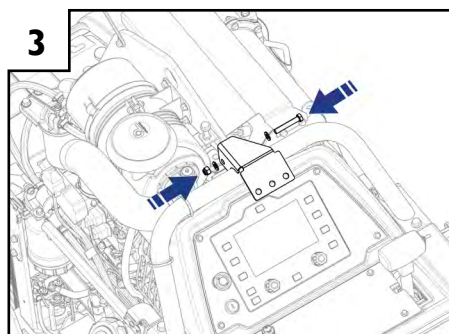
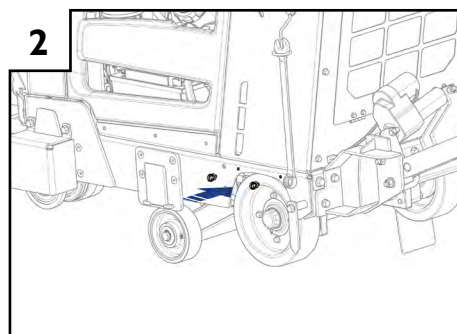
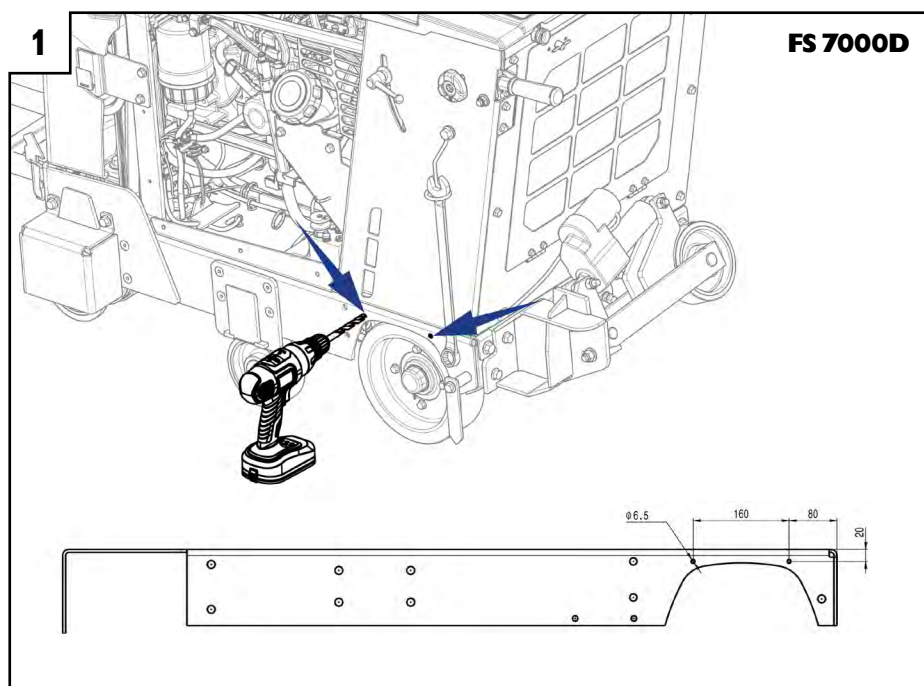
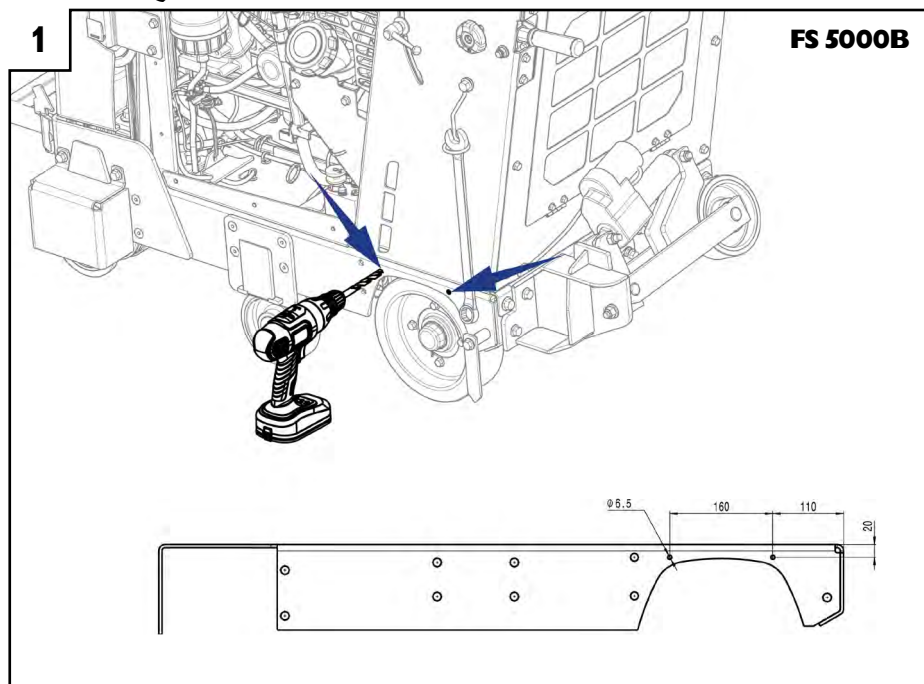
First see: [Removing the Side Covers](#) (p. 5).

1. Loosen bolt at the negative terminal. Use a safety key.
2. Loosen bolt at the positive terminal.
3. Unscrew the two nuts and remove the battery holder.
4. Lift the battery out without tilting it.



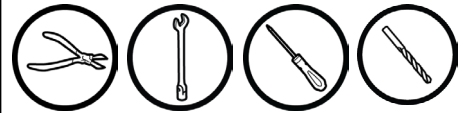
4 INSTALL 5TH WHEEL KIT

Revision Q or later



Installing the Wiring Harness on Revision Q or later

! Only machines that have firmware revision Q or later!

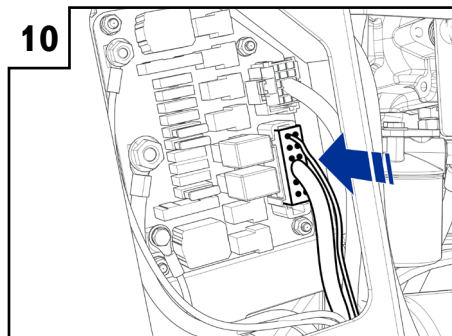
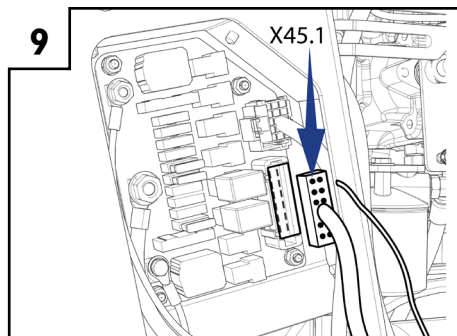
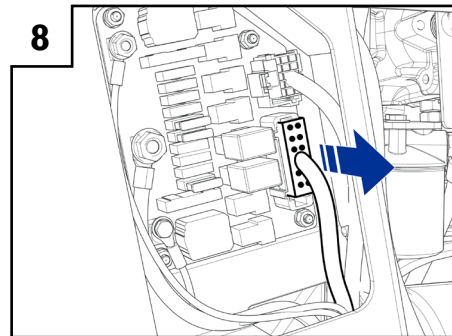
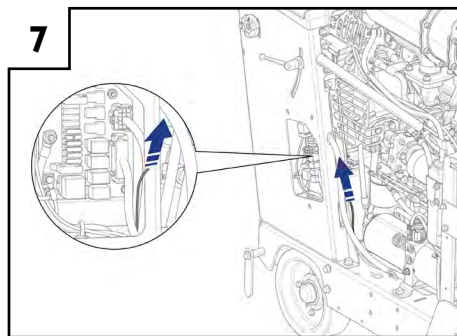
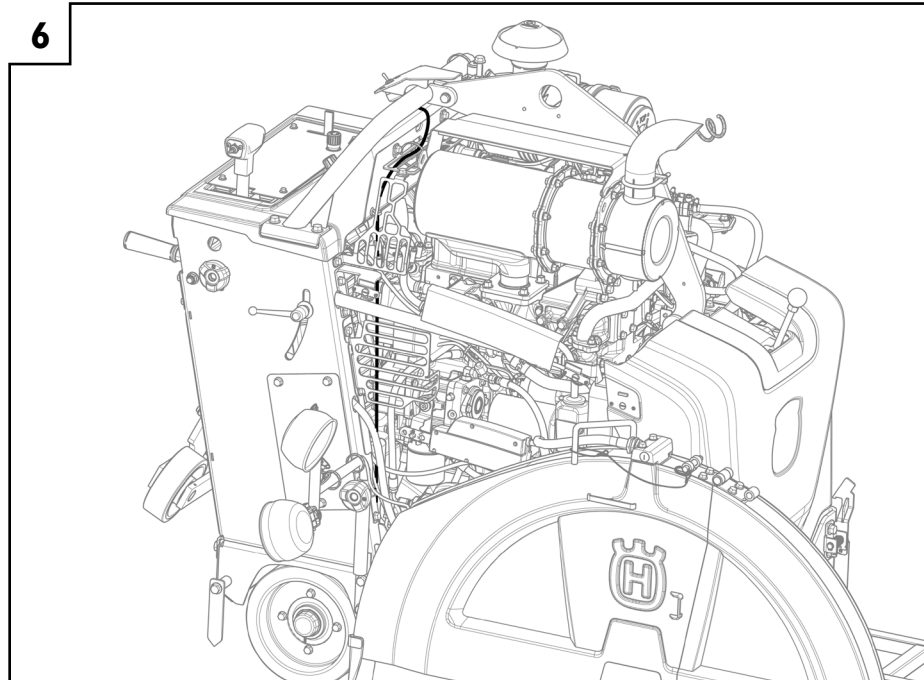
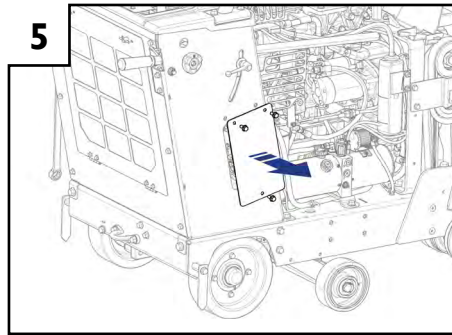
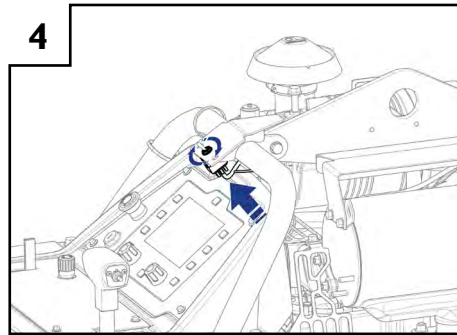


First see: [Removing the Battery \(p. 5\)](#)

! Drilling only required if there is no holes.

1. Drill 2 holes on the left hand side of the machine according to measures with a 6,5mm drill bit.
2. Fit the 2 cable clips into the new holes.
3. Mount the bracket on the machine.

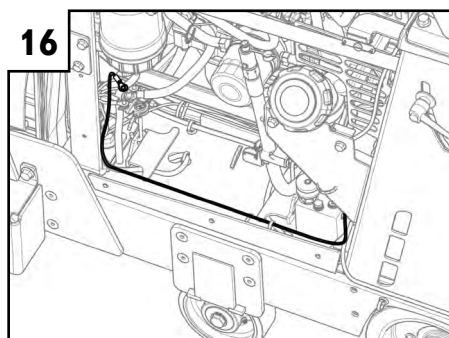
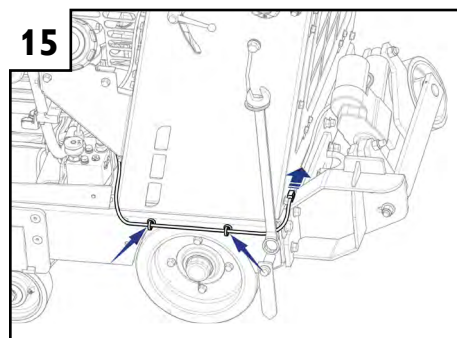
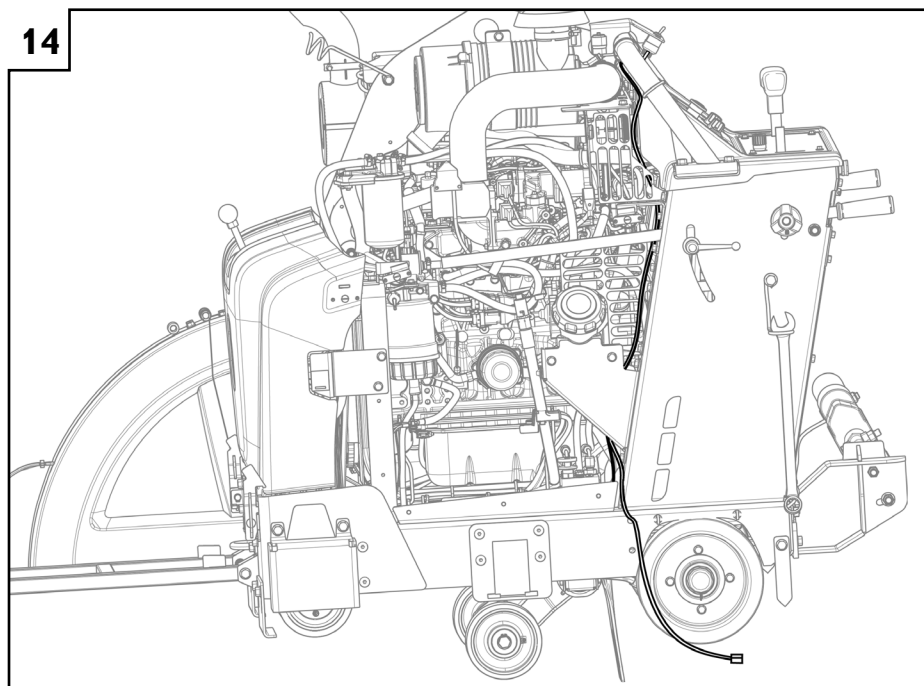
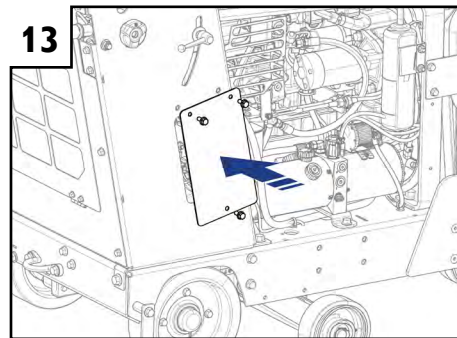
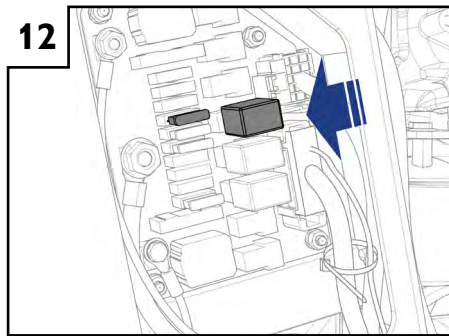
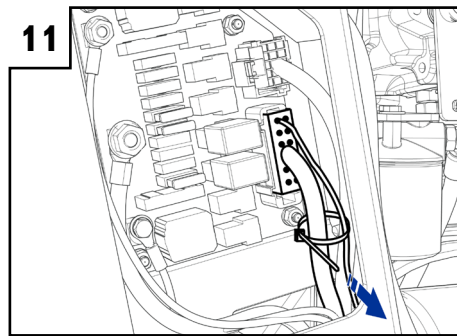
Revision Q or later



4. Mount the switch on the bracket and put on the included dust cap.
5. Open the relay box hatch.
6. Route the 101 wire of the harness towards the relay box down to the corner of the right side of the engine compartment.
7. Route the 101 wire to the relay box by following the main wire.
8. Disconnect the X45 connector.
9. Insert the 101 wire to the X45 connector marked with X45.1 (see picture).
10. Mount the X45 connector to the FUSE PCB.

4 INSTALL 5TH WHEEL KIT

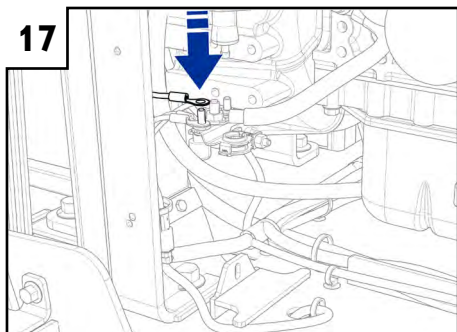
Revision Q or later



11. Tie strap the 101 wire to the main wiring harness.
12. Insert the relay in K5 position and if there is not any fuse insert 25A fuse to the F5 position. (See electrical drawings [Fuses and Relays \(p. 21\)](#) for bigger picture.)
13. Assemble the relay box hatch.
14. Route the wiring harness to the left hand side of the machine downwards the corner of the engine compartment.
15. Route the wire through 2 new cable clips and connect X1 to the actuator.
16. Route the conductor with ring terminal in front of the battery compartment to the battery negative terminal.

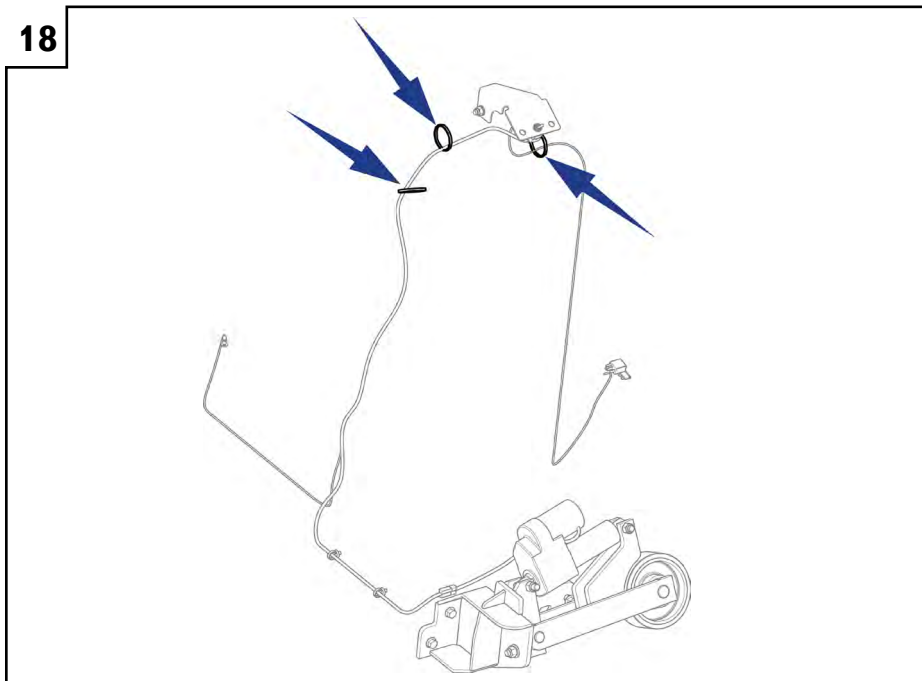
Revision Q or later

17



17. Fasten the ring terminal lug to the negative terminal connector.

18



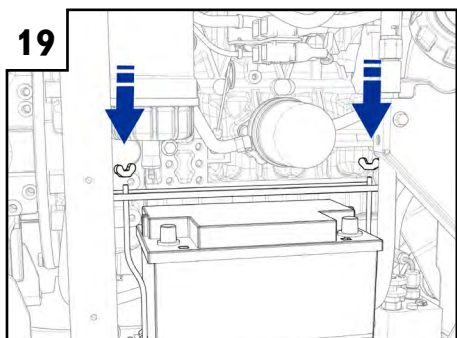
18. Use tie straps to assemble the wire together with the other wiring harness.

19. Install the battery.

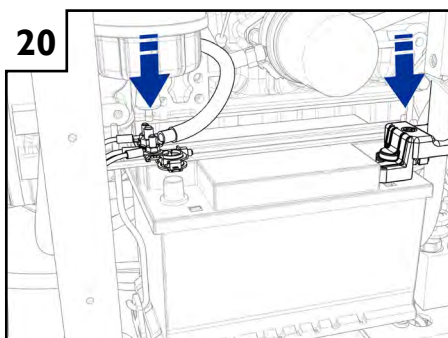
20. Connect the positive and negative terminal.

Reverse step to assemble the covers.

19

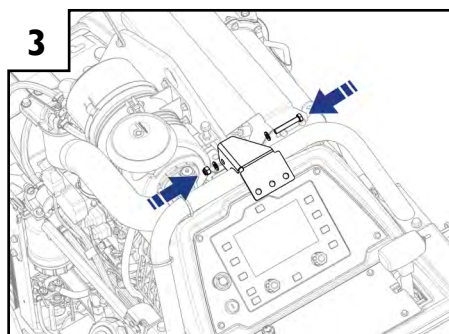
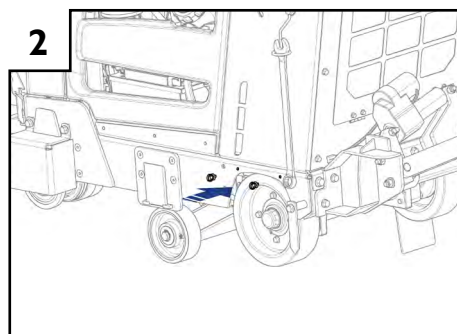
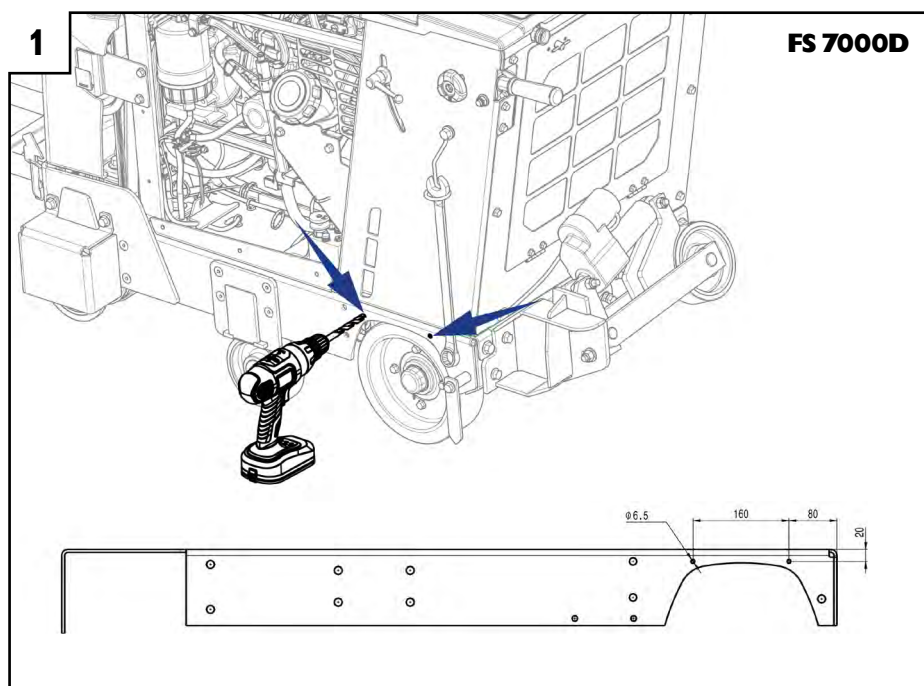
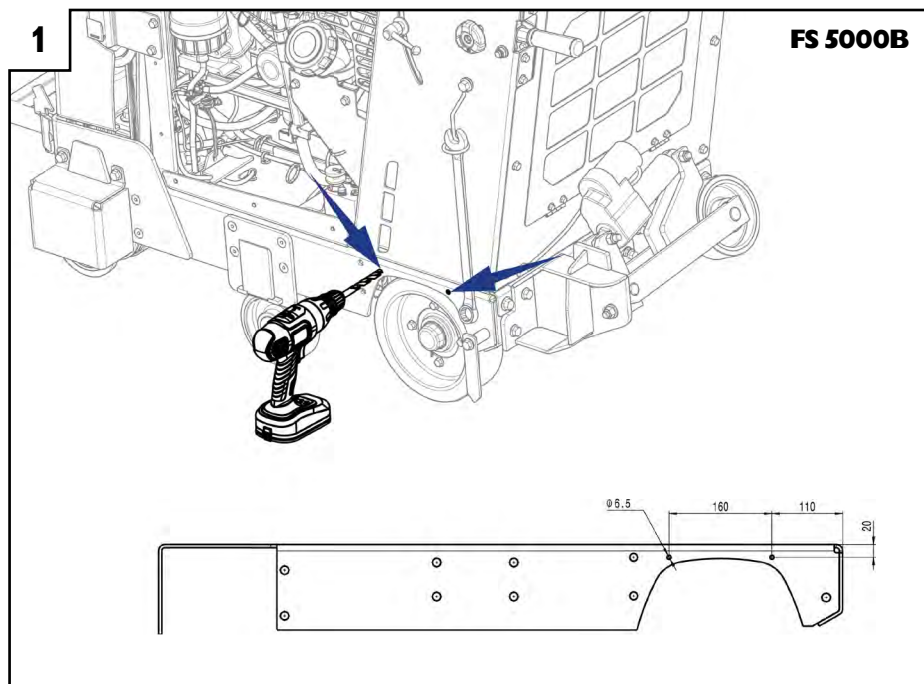


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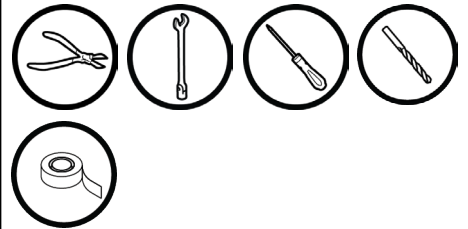
4 INSTALL 5TH WHEEL KIT

Revision P or earlier



Installing the Wiring Harness on Revision P or earlier

! Only machines that have firmware revision P or earlier!

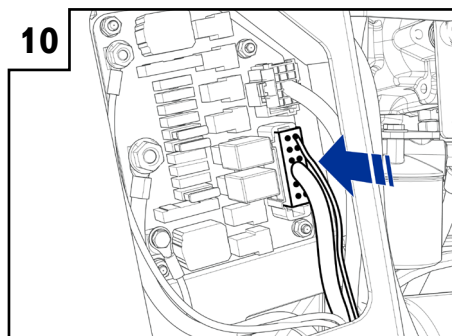
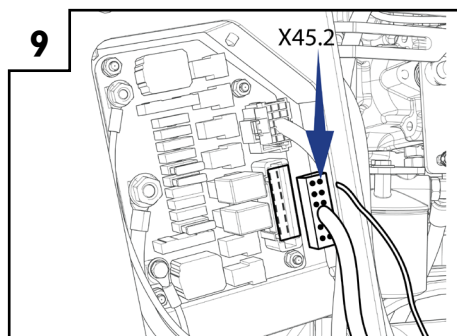
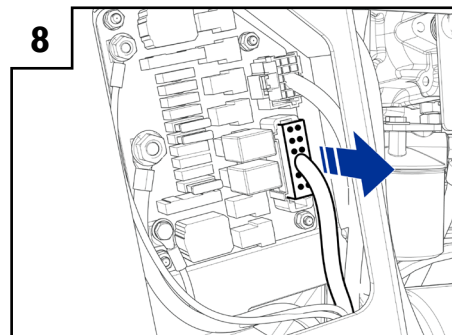
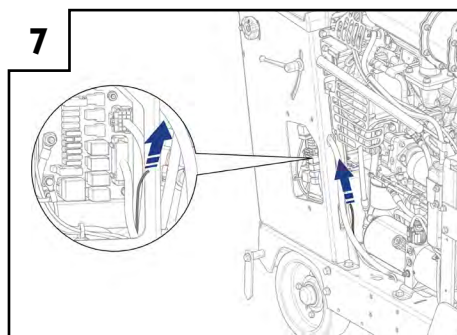
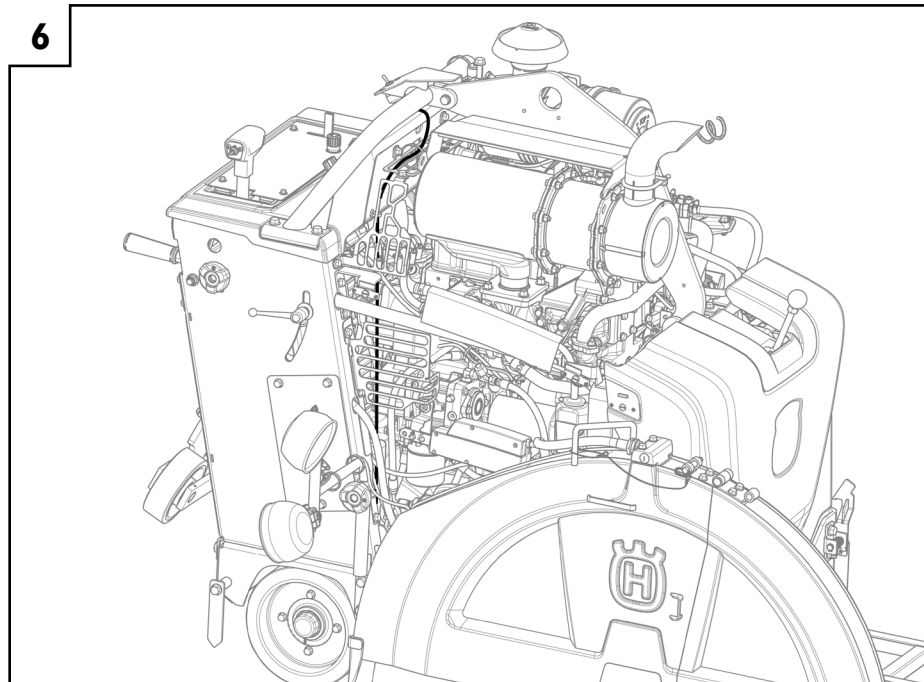
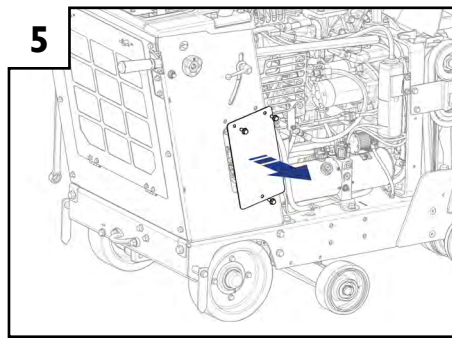
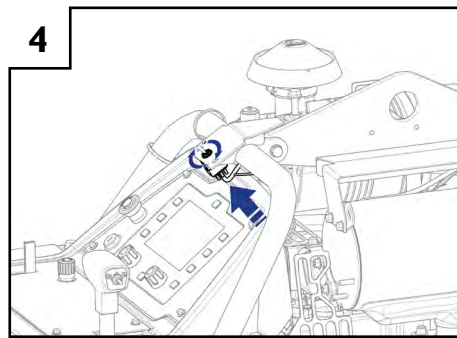


First see: [Removing the Battery \(p. 5\)](#)

! Drilling only required if there is no holes.

1. Drill 2 holes on the left hand side of the machine according to measures with a 6,5mm drill bit.
2. Fit the 2 cable clips into the new holes.
3. Mount the bracket on the machine.

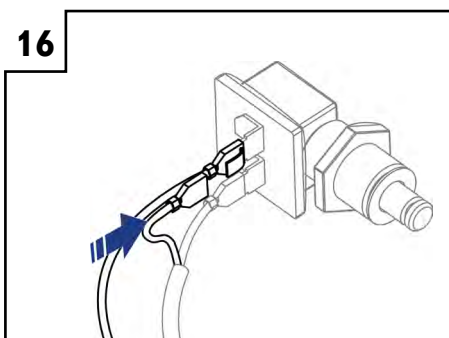
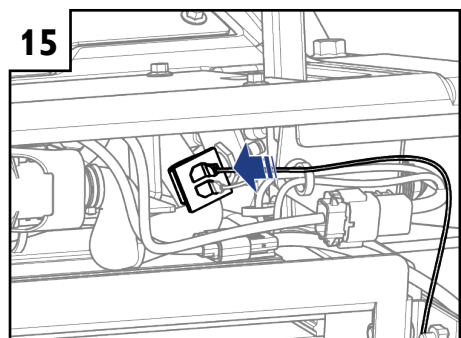
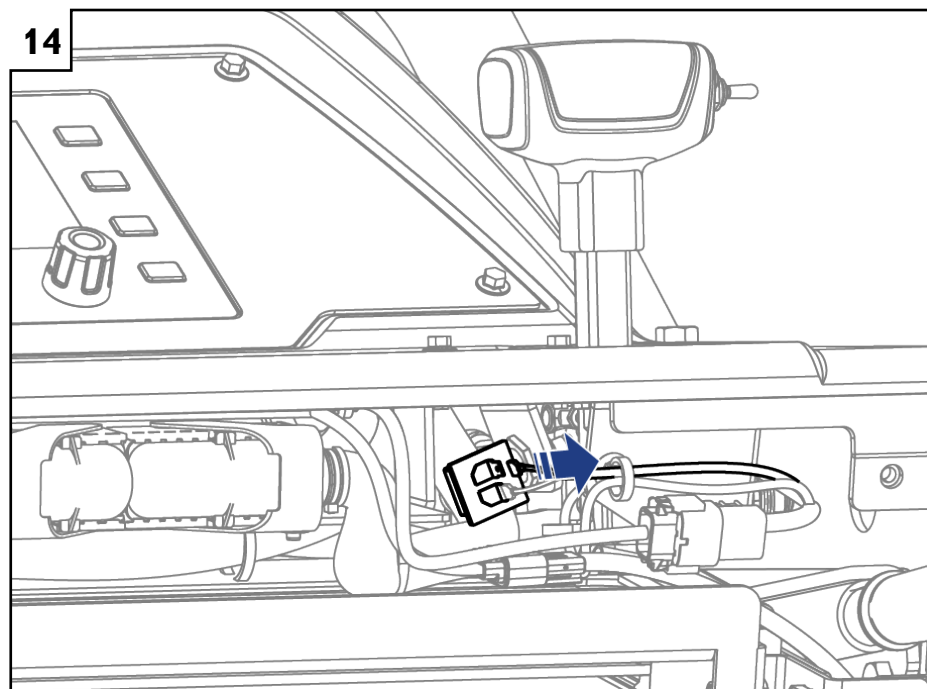
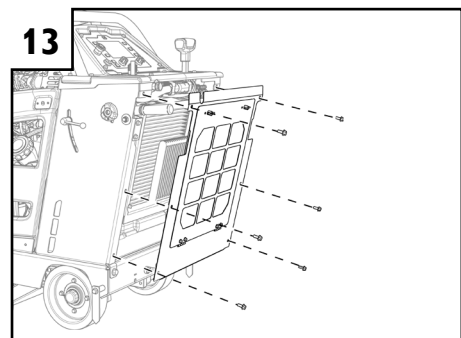
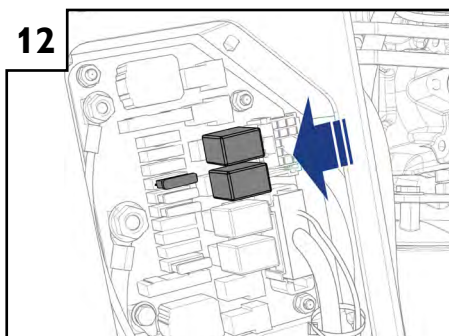
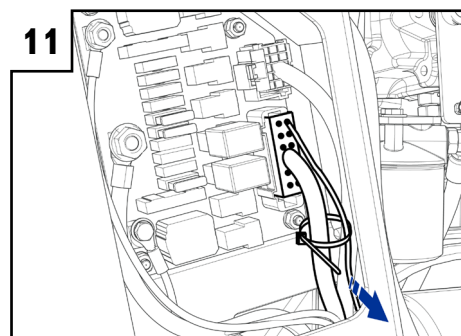
Revision P or earlier



4. Mount the switch on the bracket and put on the included dust cap.
5. Open the relay box hatch.
6. Route the 101 wire of the harness towards the relay box down to the corner of the right side of the engine compartment.
7. Route the 101 wire to the relay box by following the main wire.
8. Disconnect the X45 connector.
9. Insert the 101 wire to the X45 connector marked with X45.2 (see picture).
10. Mount the X45 connector to the FUSE PCB.

4 INSTALL 5TH WHEEL KIT

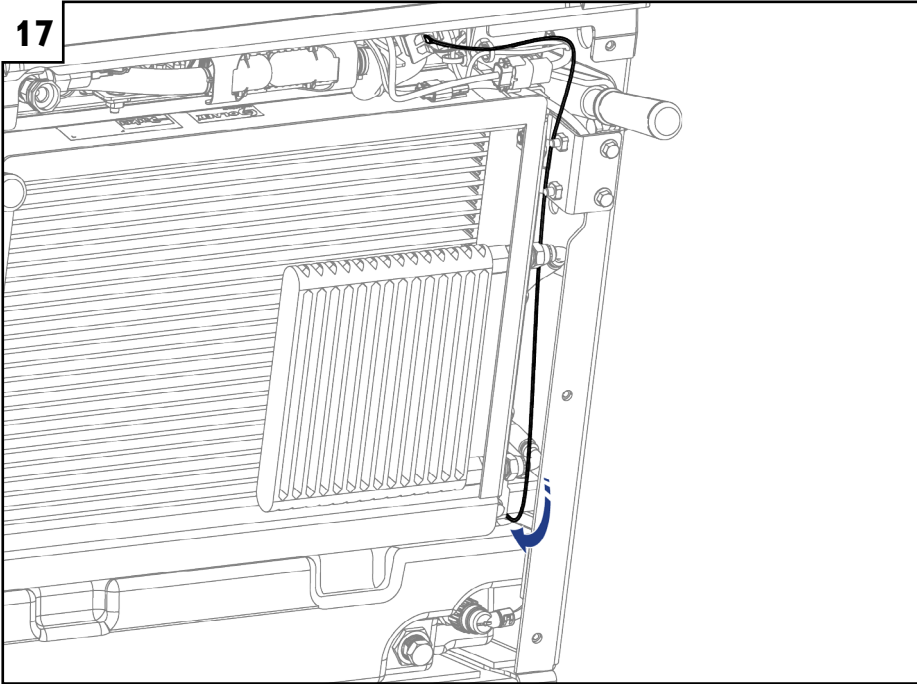
Revision P or earlier



11. Tie strap the 101 wire to the main wiring harness.
12. Insert the relays in K4 and K5 position and if there is not any fuse insert 25A fuse to the F5 position. (See electrical drawings [Fuses and Relays \(p. 21\)](#) for bigger picture.)
13. Remove the back cover by the 6 screws.
14. Remove the lead from the neutral switch from position marked X28.1.
15. Fit the 105 wire that is included to the kit, with the double flat pin to the neutral switch.
16. Reconnect the lead to the double flat pin.

Revision P or earlier

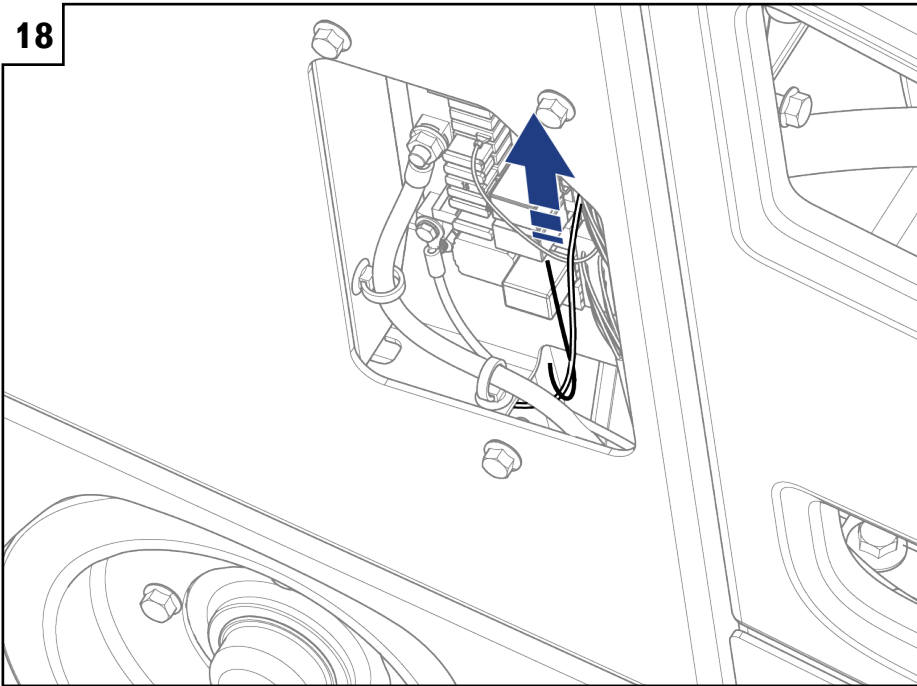
17



17. Route the wire to the right hand side of the machine down the reservoir and in to the relay box.

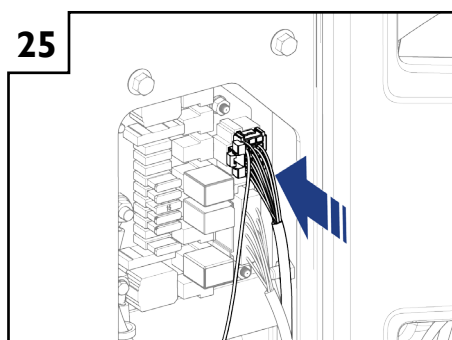
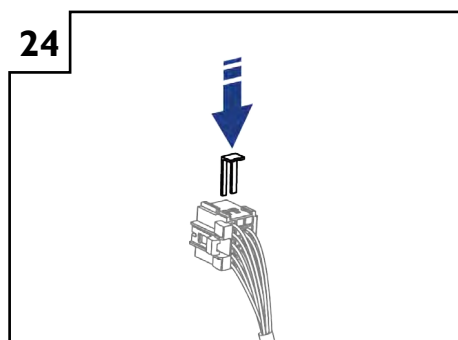
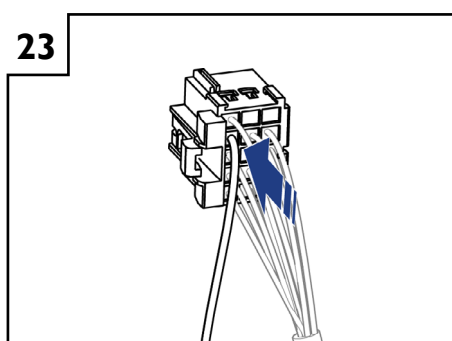
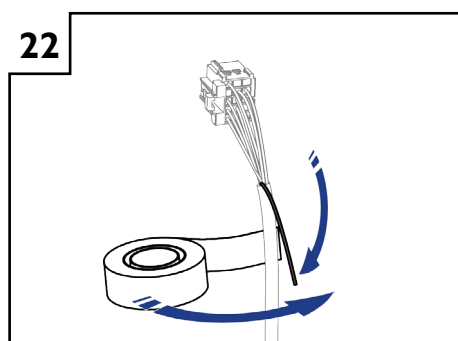
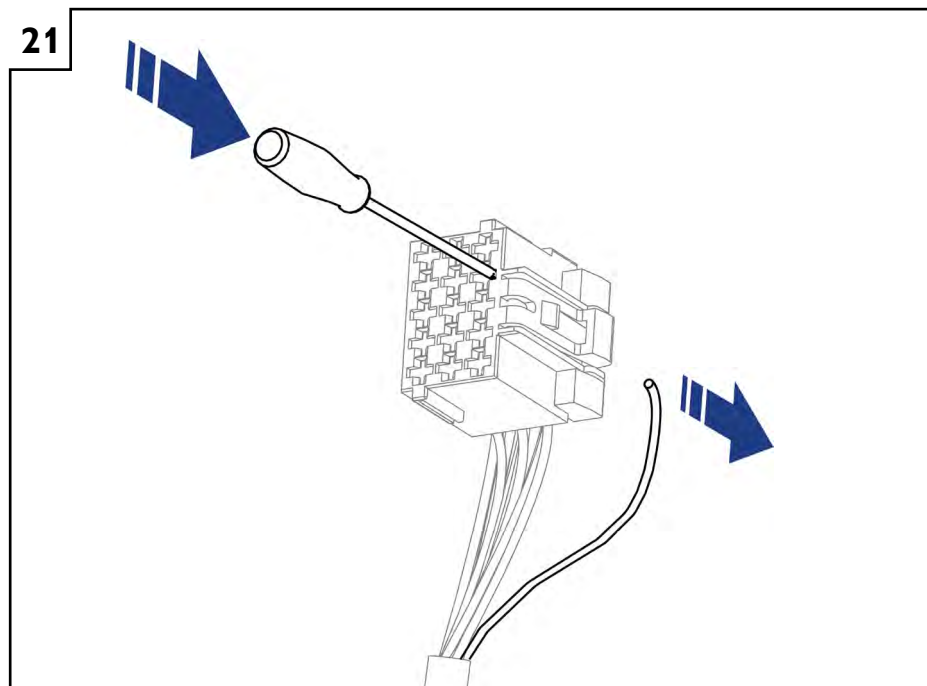
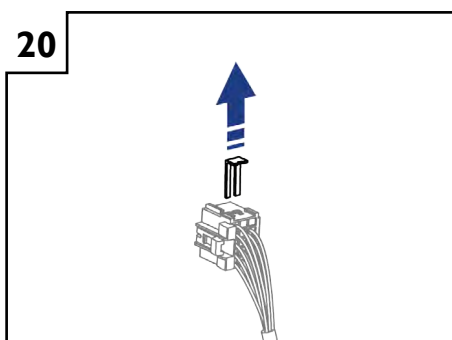
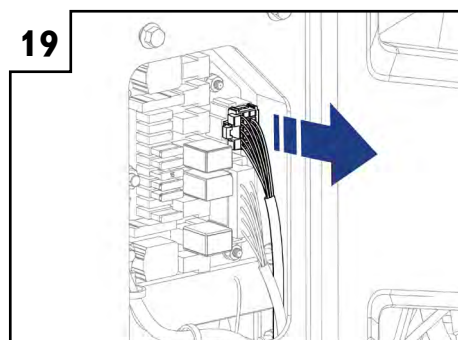
18. Use some kind of hook to pull up the wire to the relay box.

18



4 INSTALL 5TH WHEEL KIT

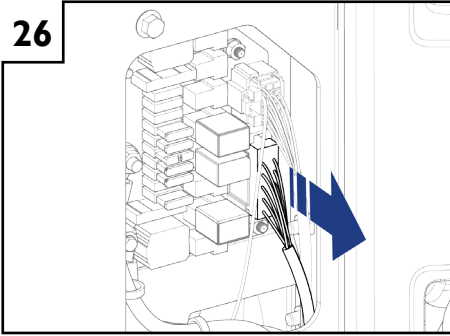
Revision P or earlier



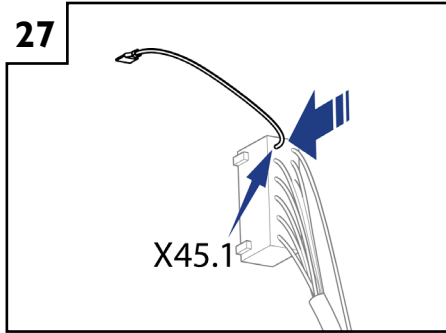
19. Remove the X44 connector from the relay box.
20. Remove the securing pin from the X44 connector.
21. Remove the wire on X44.10 position by using a small screwdriver to release the locking mechanism and pull out the wire at the same time.
22. Fold the wire backwards and isolate it with some electrical tape to the wiring harness.
23. Fit the 105 wire to the connector.
24. Install the securing pin to the X44 connector.
25. Install the X44 connector to the fuse box.

Revision P or earlier

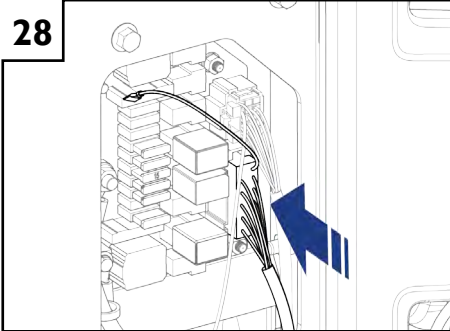
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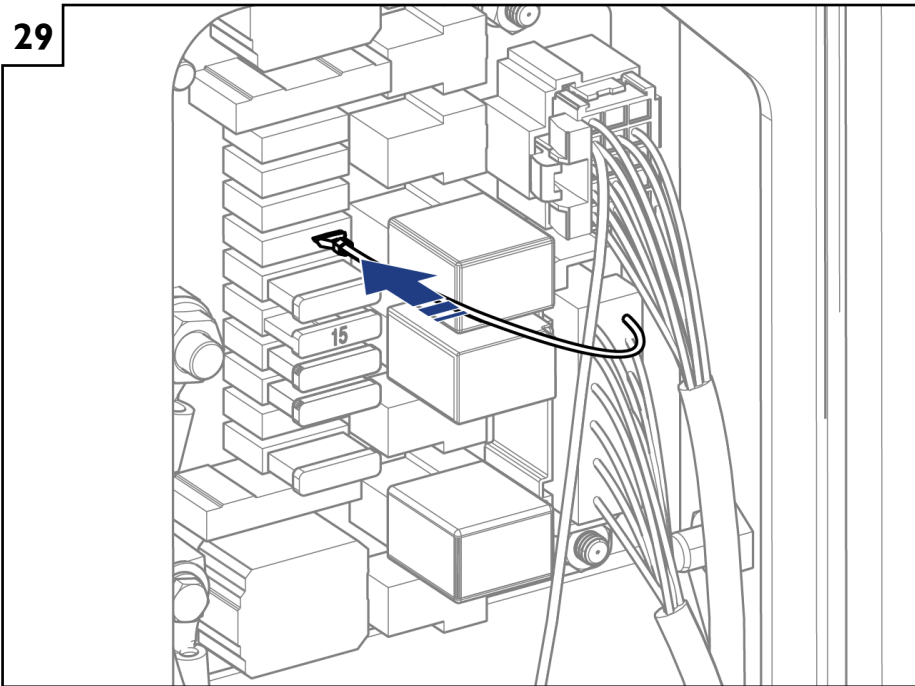
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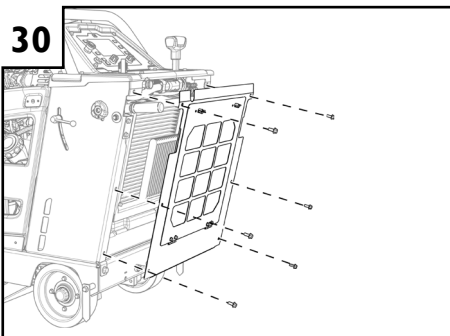
28



29



30



26. Remove the X45 connector from the relay box.

27. Insert the 106 wire to the X45 connector in position 1.

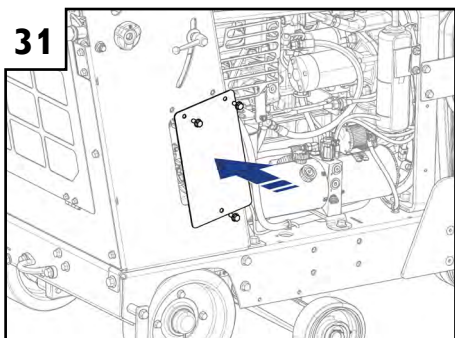
28. Install the X45 connector to the relay box.

29. Insert the other end of the 106 wire to the right hand side fuse contact F4.

30. Install the back cover by the 6 screws.

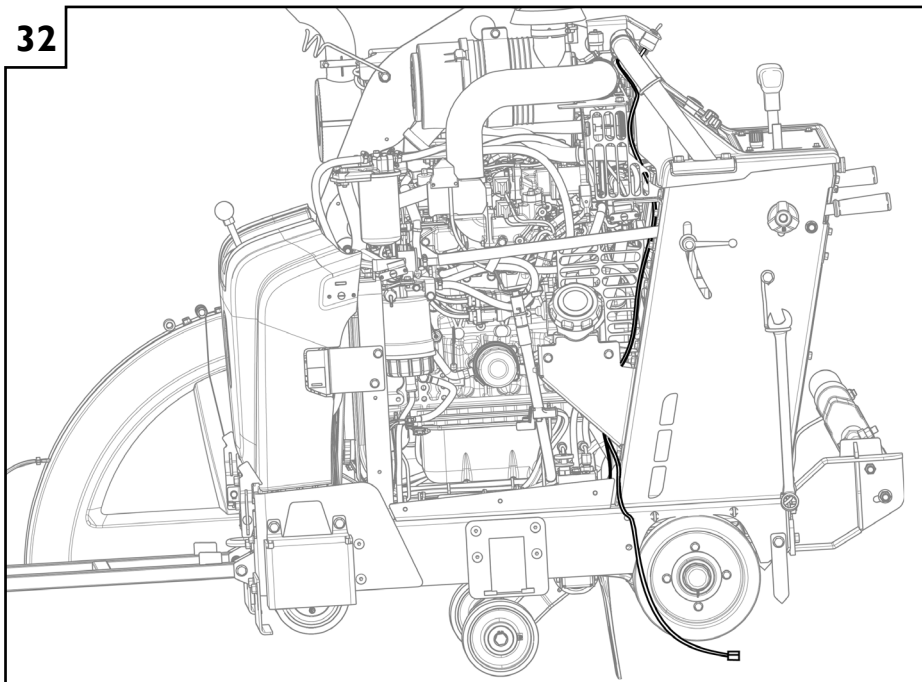
Revision P or earlier

31



31. Assemble the relay box hatch.

32

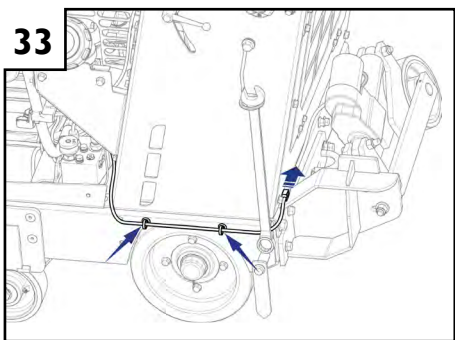


32. Route the wiring harness to the left hand side of the machine downwards the corner of the engine compartment.

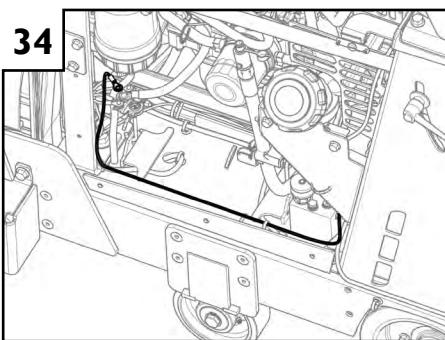
33. Route the wire through 2 new cable clips and connect X1 to the actuator.

34. Route the conductor with ring terminal in front of the battery compartment to the battery negative terminal.

33

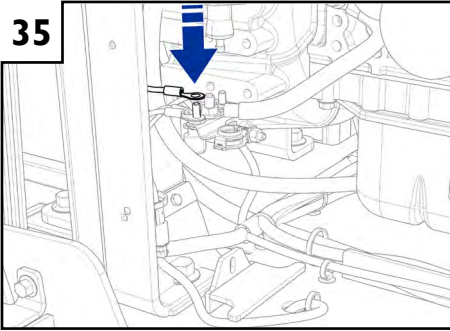


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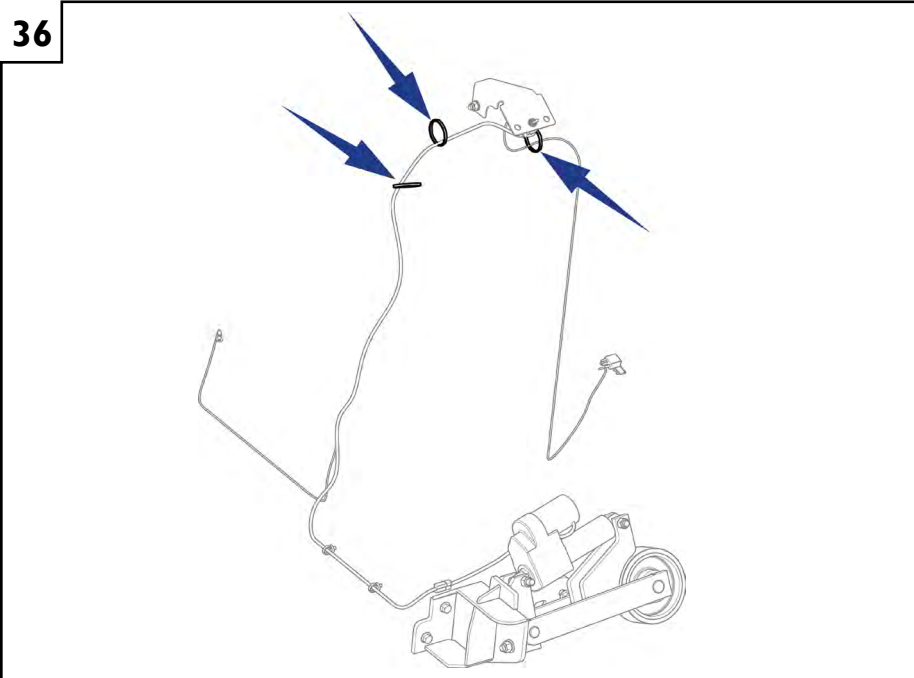


Revision P or earlier

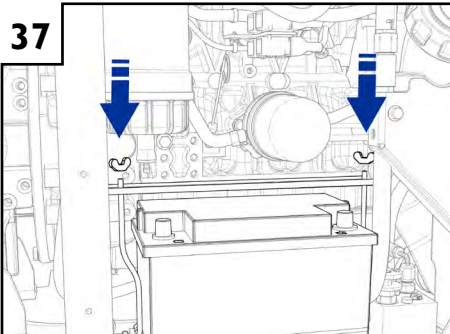
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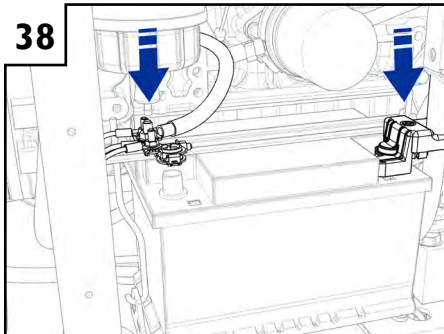
36



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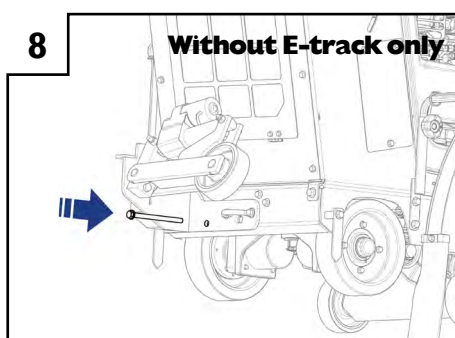
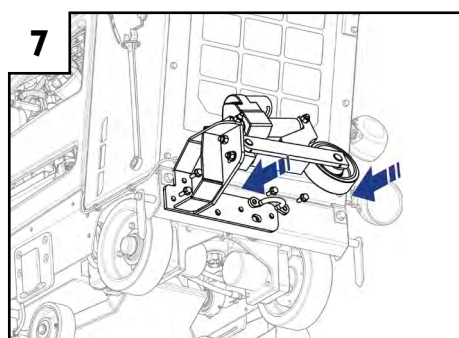
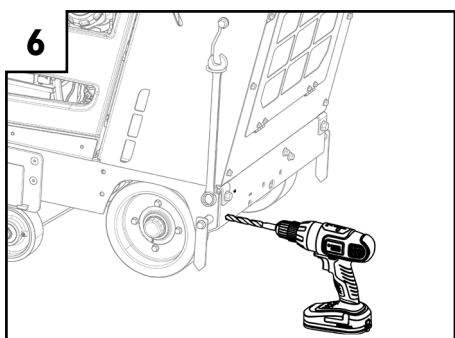
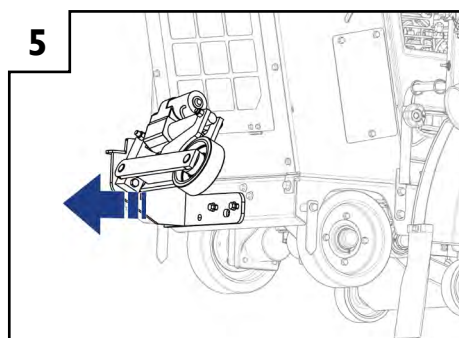
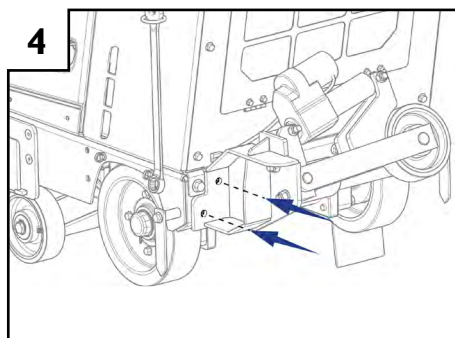
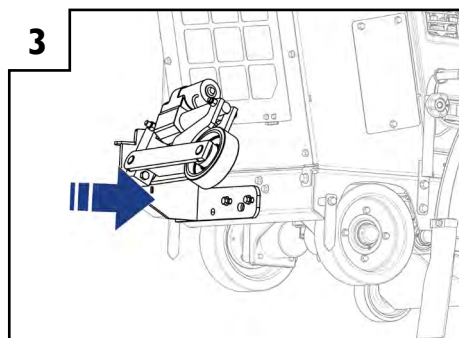
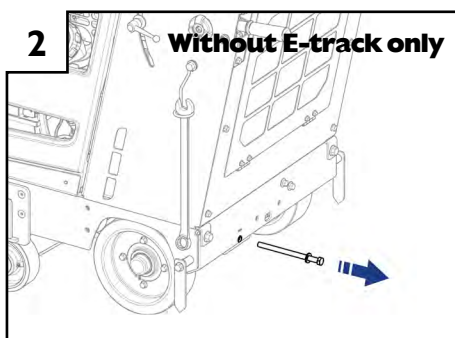
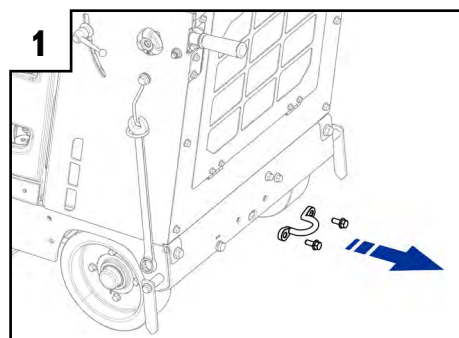
35. Fasten the ring terminal lug to the negative terminal connector.

36. Use tie straps to assemble the wire together with the other wiring harness.

37. Install the battery.

38. Connect the positive and negative terminal.

Reverse step to assemble the covers.



Installing the 5th Wheel on FS 5000D

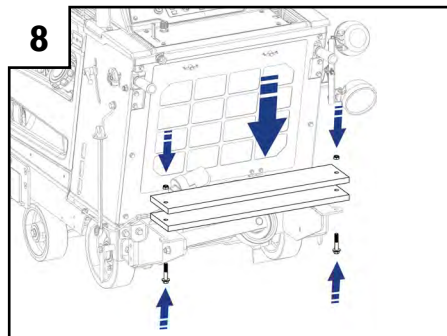
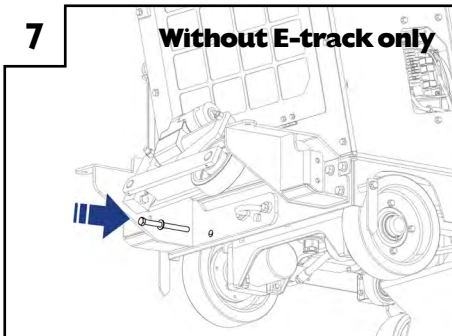
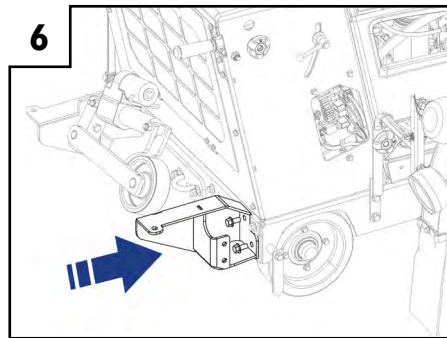
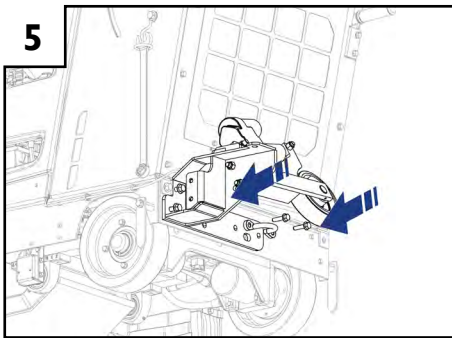
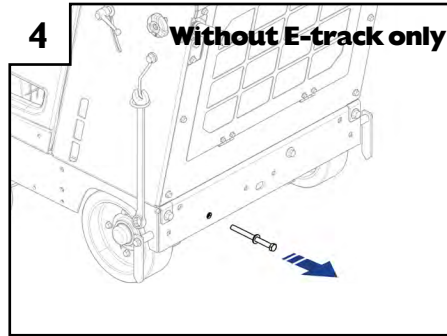
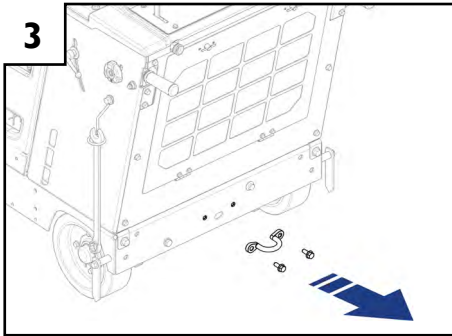
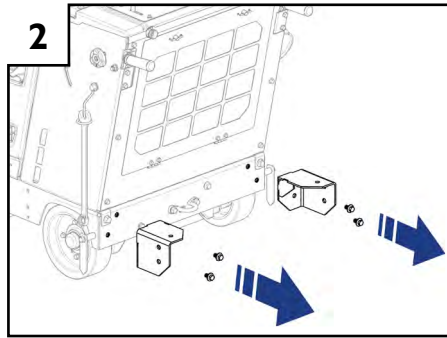
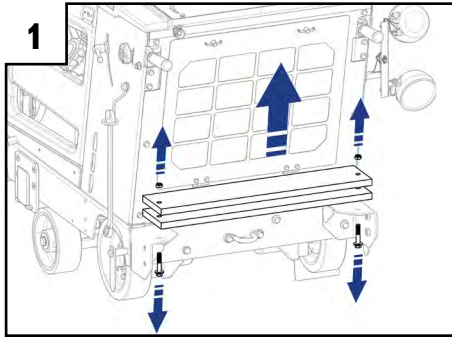


First see: [Removing the Battery \(p. 5\)](#).



Attention! Be careful to not move the track settings when working with the tracking setting screw.

1. Unscrew the 2 bolts and nuts on the rear cover and remove the loop.
2. Remove the tracking setting screw. Be sure to not move the track settings. (Only on machines without E-track)
3. Fit the 5th wheel bracket to the saw with the 2 bolts.
4. Use the 5th wheel bracket as a template and mark where to drill the 2 holes.
5. Remove the 5th wheel bracket.
6. Drill the 2 holes on the machine with a 14mm drill bit.
7. Install the 5th wheel bracket to the saw with the loop by the 4 bolts and nuts.
8. Assemble the tracking setting screw without moving the wheels tracking position.



Installing the 5th Wheel on FS 7000D



First see: [Removing the Battery \(p. 5\)](#).



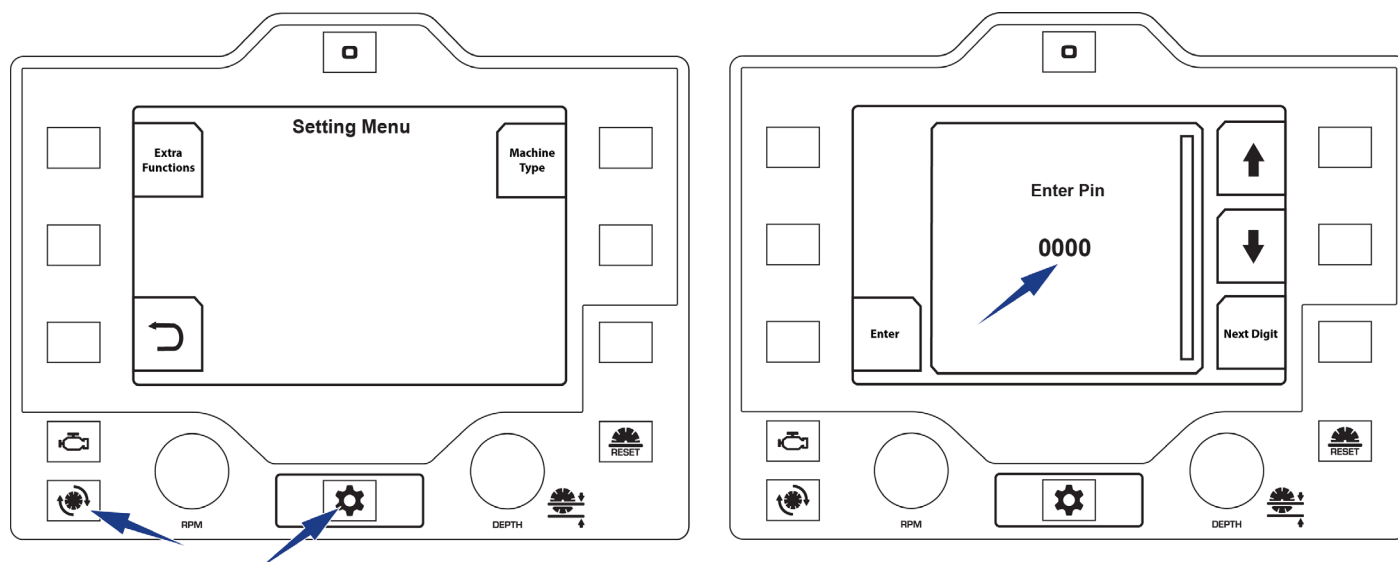
Attention! Be careful to not move the track settings when working with the tracking setting screw.

1. If there are any counterweights on the machine begin to remove them from the brackets.
2. Remove the 2 counterweight brackets.
3. Unscrew the 2 bolts and nuts on the rear cover and remove the loop.
4. Remove the tracking setting screw. Be sure to not move the track settings. (Only on machines without E-track)
5. Install the 5th wheel bracket to the saw. with the loop by the 4 bolts and nuts.
6. Install the 5th wheel counterweight bracket on the saw by the 2 bolts and nuts.
7. Assemble the tracking setting screw without moving the wheels tracking position.
8. Fit the counterweights to the new brackets.

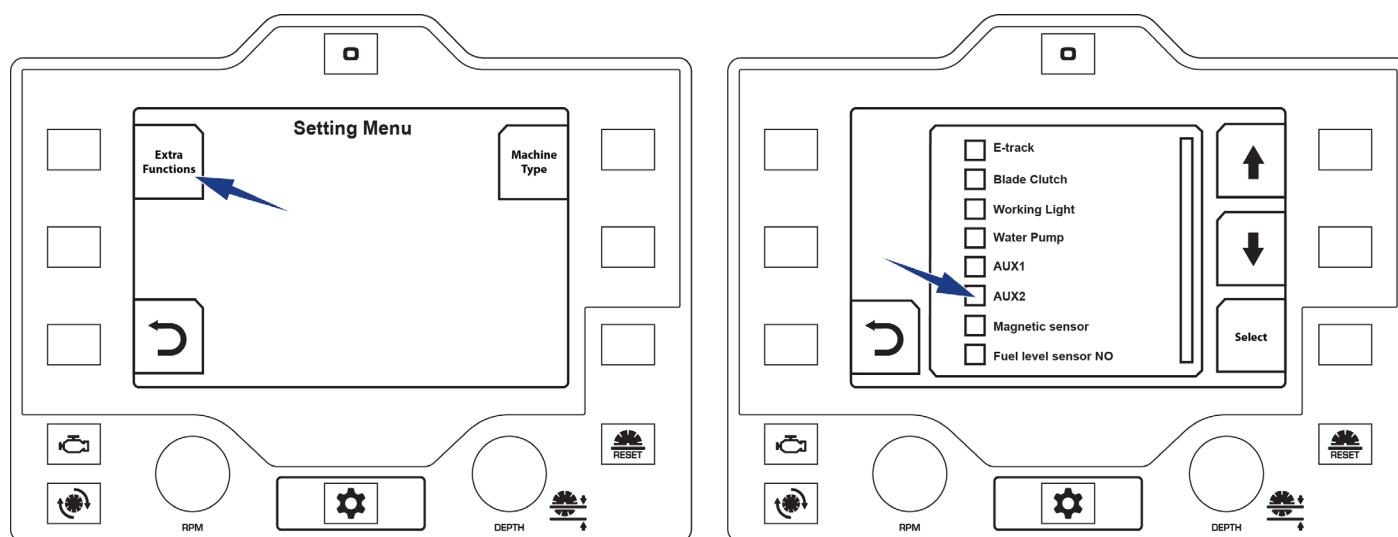
5 SWITCH ON THE 5TH WHEEL KIT ON THE HMI DISPLAY

5. SWITCH ON THE 5TH WHEEL KIT ON THE HMI DISPLAY

Setting Menu



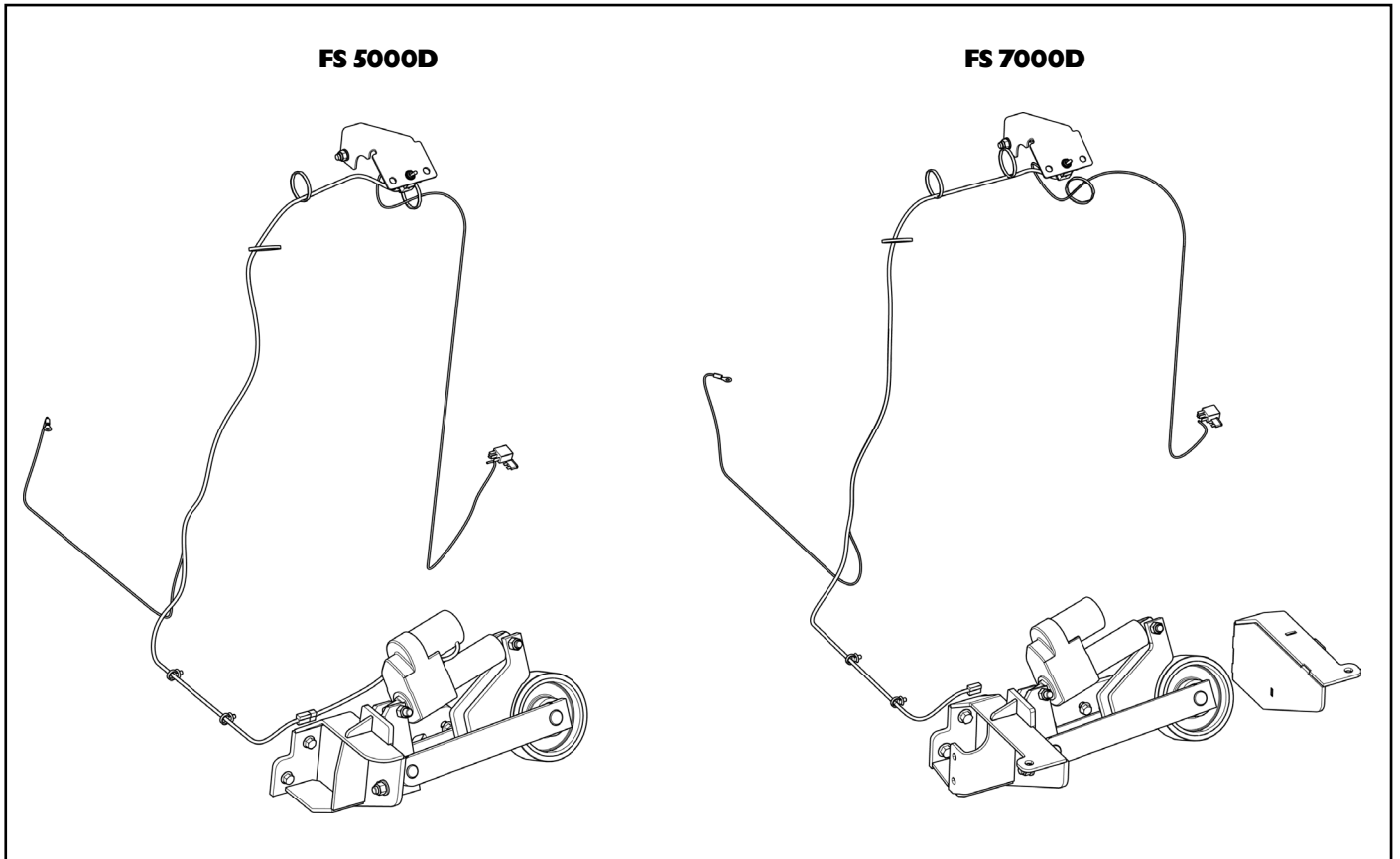
To access the Setting Menu press the “Menu” button and “Display of blade speed, rpm” down at the same time. Enter your Pin code.



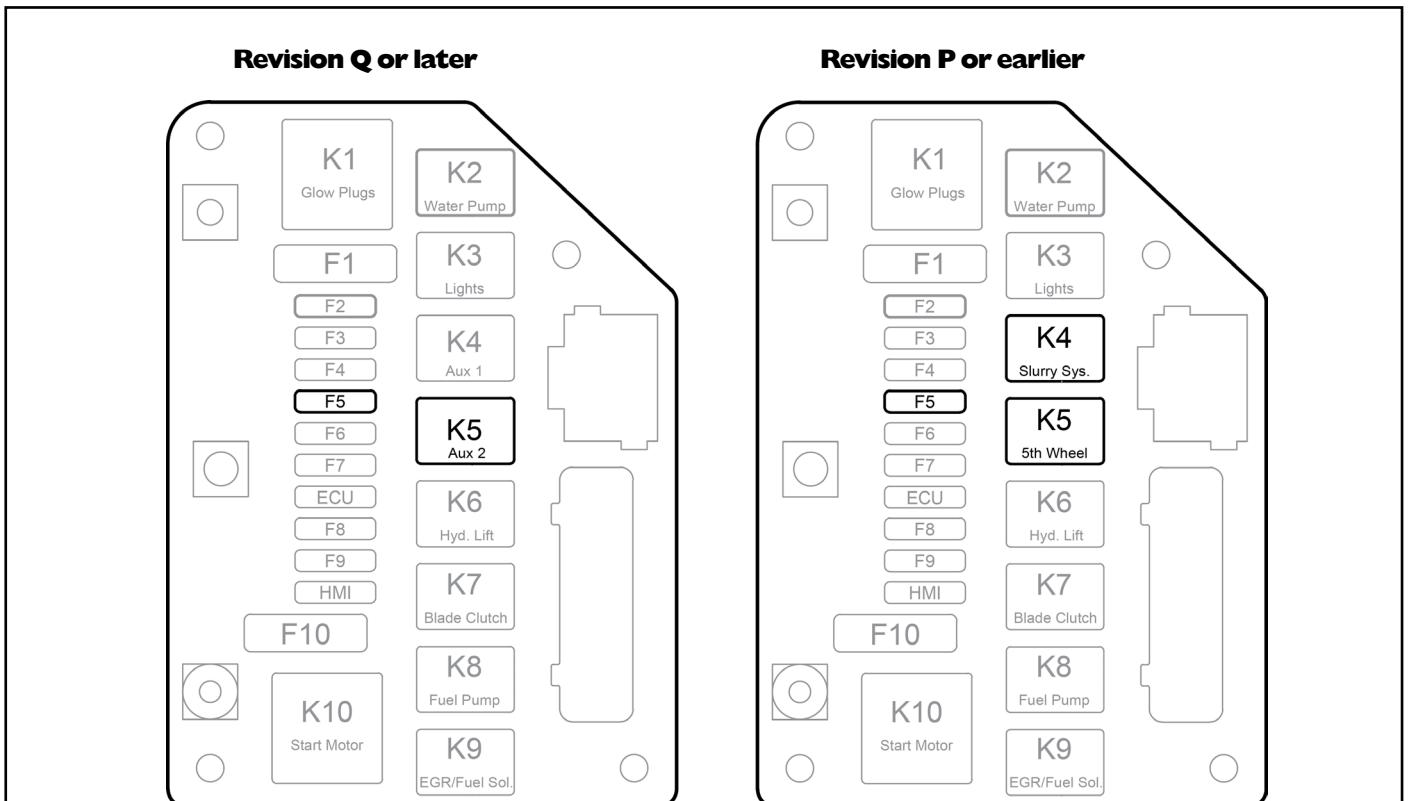
To switch on the 5th Wheel kit, select “Extra Functions” and check in “AUX 2”.

6. WIRING DIAGRAMS

5th Wheel Kit Components

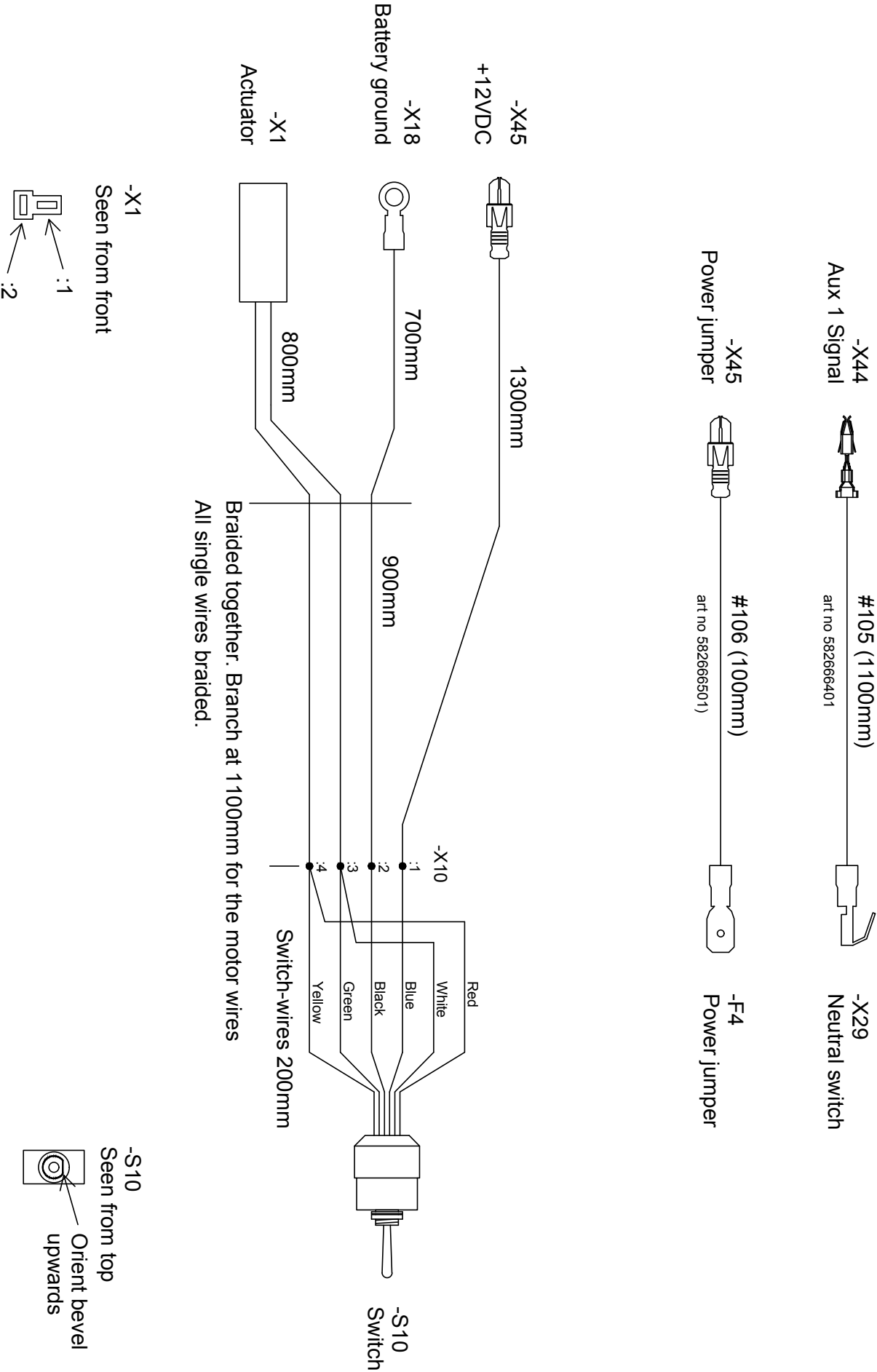


Fuses and Relays



Note: Text on circuit board can vary, position remains the same.

Electrical Drawing





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English