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Case/New Holland stand alone ISO harness.

The following pages outline the procedure to use a Case/New Holland 87532170 harness kit when the tractor is not equipped with factory a ISO harness.

Parts required are as follow;

- 87532170 Harness Kit (from dealer of your choice)
- 1 of 3132-94-40 (Bourgault #) Deutsch connector kit
- 1 of 5210-65 mount plated from Bourgault for ISO connector
- 3140-97 (Bourgault #) Deutsch crimp tool
- Small flat screwdriver
- Needle nose pliers



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Description	CNH part #	Qty.	
Cab Harness	87532170	Qty. 1	
Terminator	87601142	Qty. 1	
Terminator part # RE207311			
Deutsch 4 pin plug	87694154	Qty. 1	
Deutsch part # DT04-4P			
Blade for four pin plug	87694145	Qty. 1	
Deutsch part # W4P			
Pins for plugs	87697947	Qty. 8	
Deutsch part # 0460-202-16141			
Round Deutsch plug	225222C1	Qty. 1	
Deutsch part # HD10-5-16P			

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

- Step 1: the terminator needs to be added to the harness. Plug on the harness is labeled terminator. (figure 7)



- Step 2: It will also need keyed and constant power that can be taken from a power source in the cab. (figure 8)



- Step 3: The aux. switch unit plug on the harness is used to tie into the Can1 wire on the X30 Monitor harness in the tractor cab. Connecting to this plug can be done two ways, the first is to make a jumper harness (using parts in figure 3-6) so as to not have to cut the CNH harness or we can cut the plug off the CNH harness and add a plug to go directly to the X30 monitor harness. To make the jumper use the parts in figures 3-6 (#'s for the ports on the square plug and letters on the round plug) 1-E, 2-B, 3-A and 4-C using the 4 pin Duetsch plug and the round Duetsch plug. To use without jumper cut the aux. switch plug off the CNH harness and use the 4 pin Duetsch plug (figure 3 and 4 with four pins from figure 5) with 1-red, 2-yellow, 3-black and 4-green.

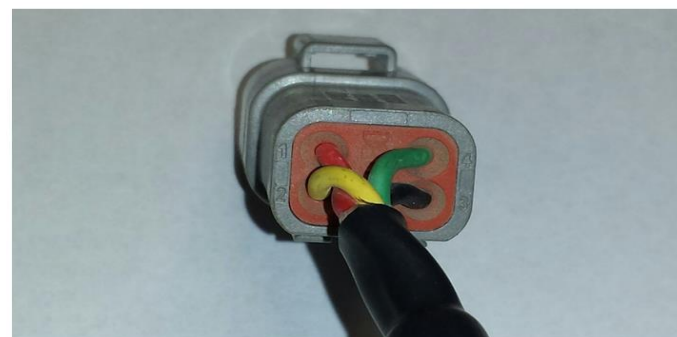


Figure 9
Existing aux. switch
plug on case
harness



Figure 10
If plug is cut off and replaced

3132-94-40 Deutsch DT04-4P pin locations



RED to pin 1

GREEN to pin 4

YELLOW to pin 2

BLACK to pin 3

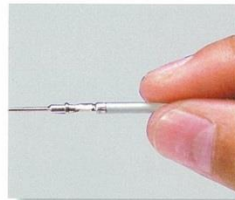
(see the following page for Deutsch instructions)

Figure 11 orientation of wires to four pin duetsch plug

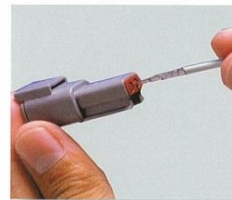
DT Series Technical Manual



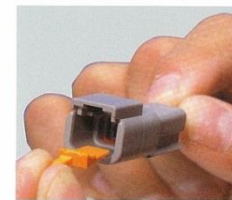
Assembly Contact Insertion (DTM, DT, DTP)



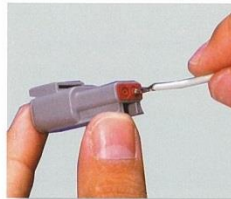
1. Grasp crimped contact approximately 1.0" (25.4mm) behind the contact barrel.



2. Hold connector with rear grommet facing you.



3. Push contact straight into connector grommet until a click is felt. A slight tug will confirm that it is properly locked in place.

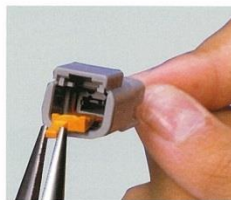


4. Once all contacts are in place, insert orange wedge: receptacles - with half holes aligning with contacts. Plugs - with contacts aligning behind full holes. The orange wedge will snap into place.

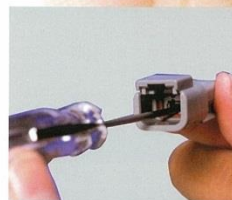
NOTE: The receptacle is shown - use the same procedure for plug.



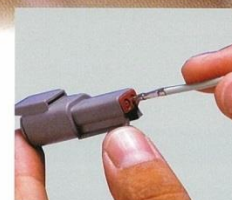
Contact Removal



1. Remove orange wedge using needlenose pliers to pull wedge straight out.



2. To remove the contacts, gently pull wire backwards, while at the same time releasing the locking finger by moving it away from the contact with a screwdriver.



3. Hold the rear seal in place, as removing the contact will displace the seal.

- Step 4: Finally the large Duetsch end of the plug needs to be run to the rear of the tractor for connection to the tillage/cart harness. (figure 12) There is also a plug from Bourgault Industries that can be used to this connector. (part # 5210-65)



Figure 12

- There are three plugs not used on this harness. They are labeled IMPLEMENT DIAGNOSTICS, CONSOLE AND GPS.





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Remove the Bourgault
CAN 1 Terminator.
(see next image)

X30
Monitor





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CAN 1 Terminator
removed.

