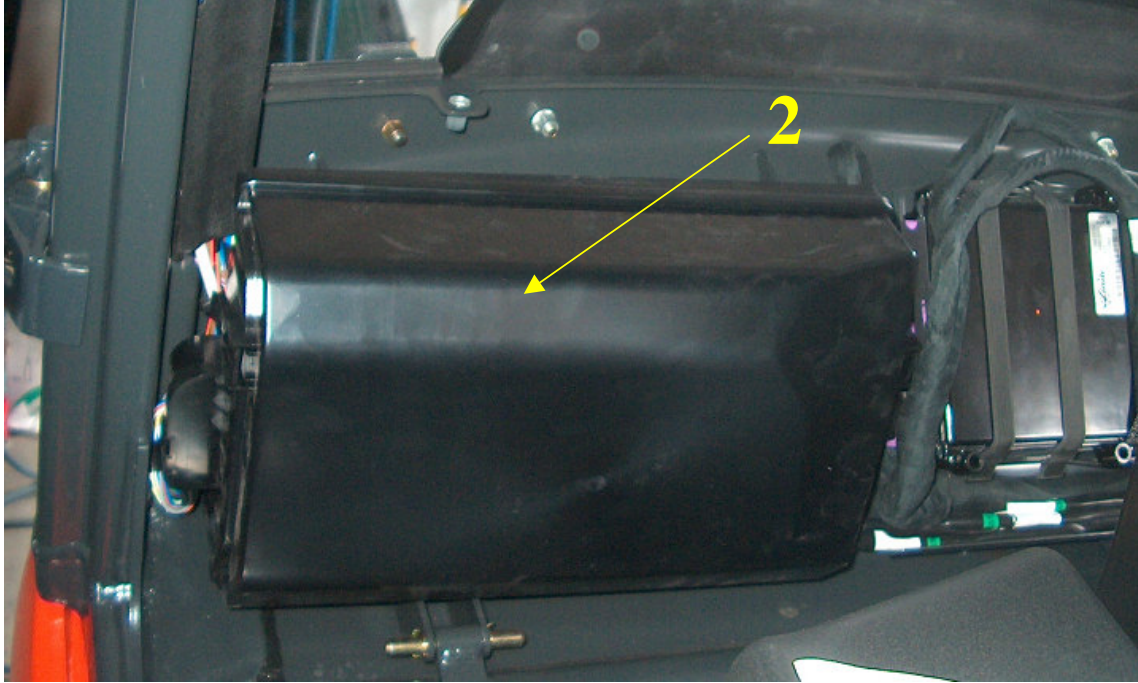


# Lighting and wipers assembly manual LINDE 391

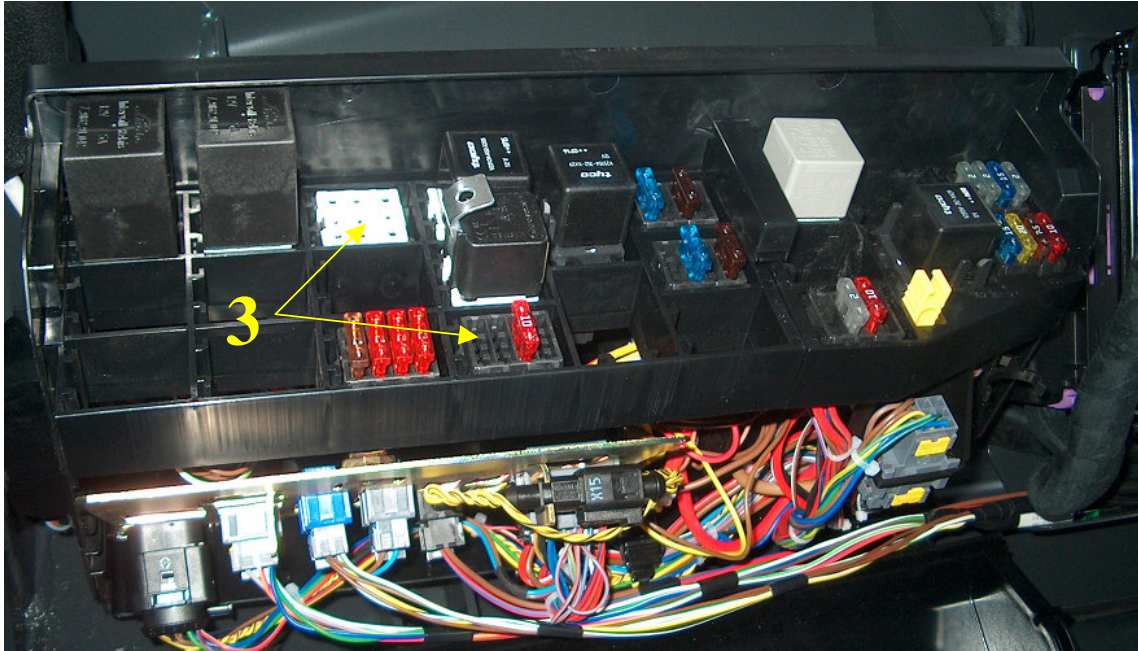
1. Unscrew the rear cover ( 1 ).

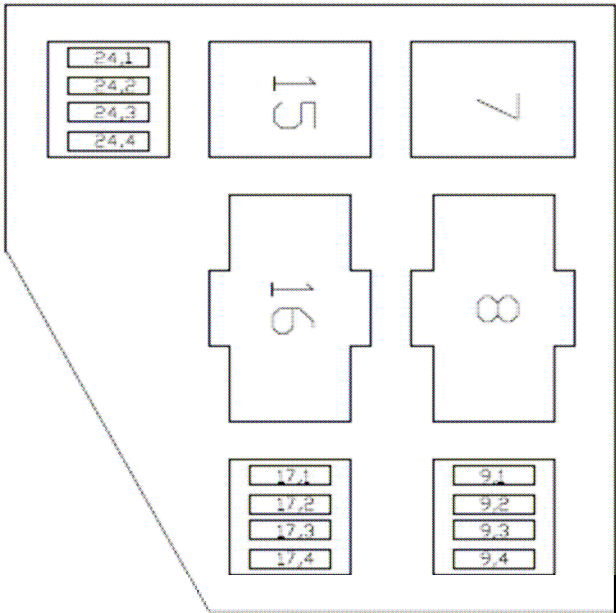
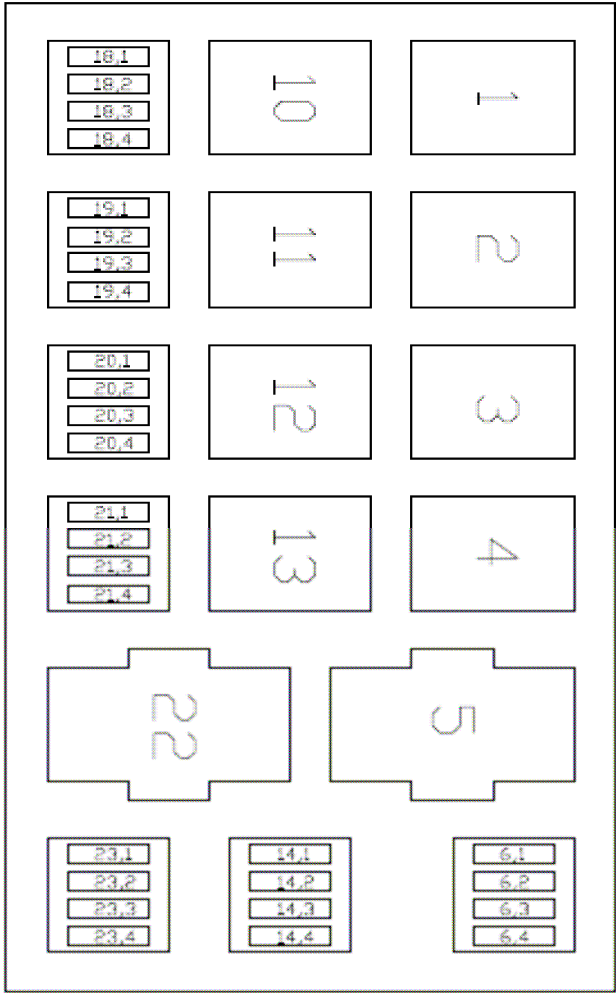


2. Remove the fuses cover ( 2 ).



3. Assembly the fuses and relays base ( 3 ) in accordance with the diagram





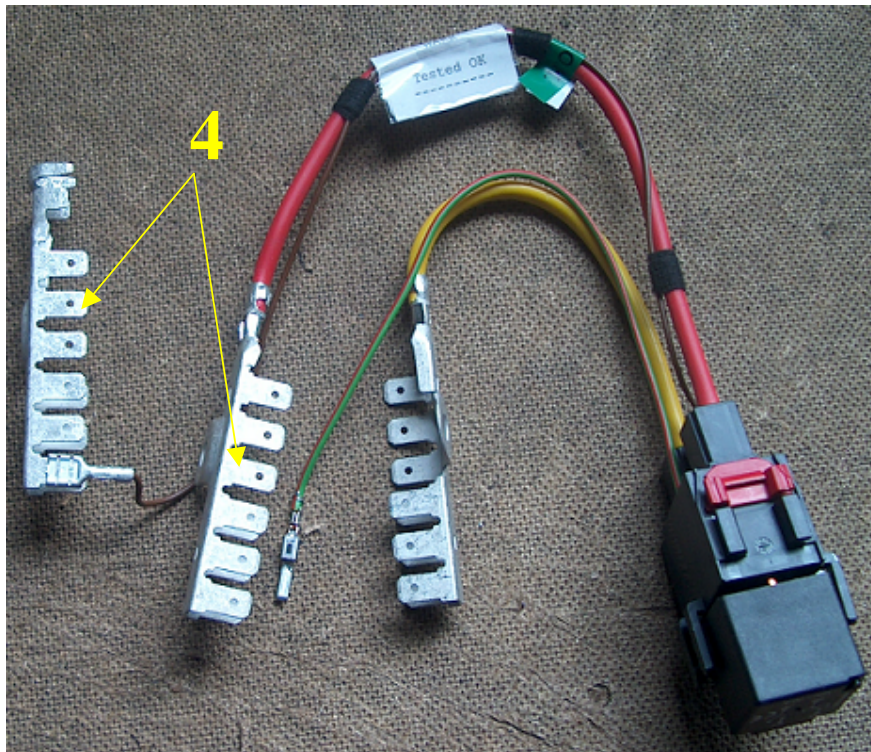
Position	Marking	Designation
1.	9K1	Windshield wiper
2.	9K2	Rear window wiper
3.	9K3	Roof wiper
4.	4K1	Reversing alarm relay
5.	K1	Main relay 70A
6.		
7	0K2	Diesel relay LPG relay
8.	0K1	Heater plug relay 70A
9.		
10.	5K2	Stop light relay
11.	5K1	Turn signal interrupter
	5K5	Lighting
12.	5K3	Reversing light relay
13.	5K4	Working lights
16.	K2	Ignition relay

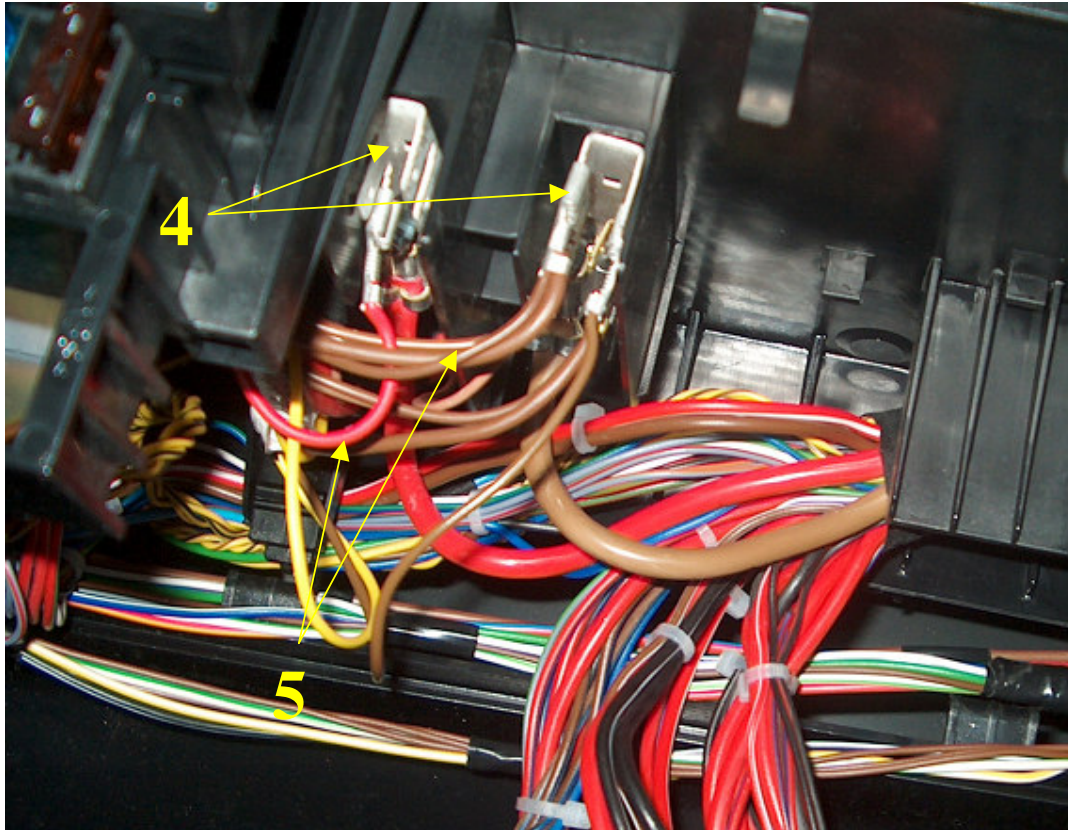
4. Attach the fuses in accordance with the diagram.

Position	Marking	Designation	Value
6.1	5F2	Working lights 3,4	15A
6.2			
6.3	5F4	Working lights 7	7.5A
6.4			
9.1	F5	Complex instrument	2A
9.2	F6	Complex instrument	2A
9.3	F7	Horn	15A
9.4	F8	Speed control lever	2A
14.1	5F2		
14.2	9F9	Heating and air-conditioning	20A
14.3	9F6	Heating system socket	15A
14.4	4F3	Warning light	7.5A
17.1	F9	Truck speed/lift control	15A
17.2			
17.3	F11	VW control (terminal 30)	15A
17.4	F12	VW control (terminal 15)	2A

18.1	5F8	Left driving light	7.5A
18.2	5F9	Right driving light	7.5A
18.3	5F10	Left parking light	5A
18.4	5F11	Right parking light	5A
19.1	5F5/5F1	Main fuse - driving light 1.2	15A
19.2	5F6/5F13	Main fuse - parking and emergency light	10A
19.3	5F7	Stop light	5A
19.4	5F12	Cab interior lighting	5A
20.1	9F1	Main fuse - wipers	2A
20.2	9F2	Windshield wiper	10A
20.3	9F3	Rear window wiper	10A
20.4	9F4	Roof wiper	10A
21.1			
21.2			
21.3		Sound signal	5A
21.4			

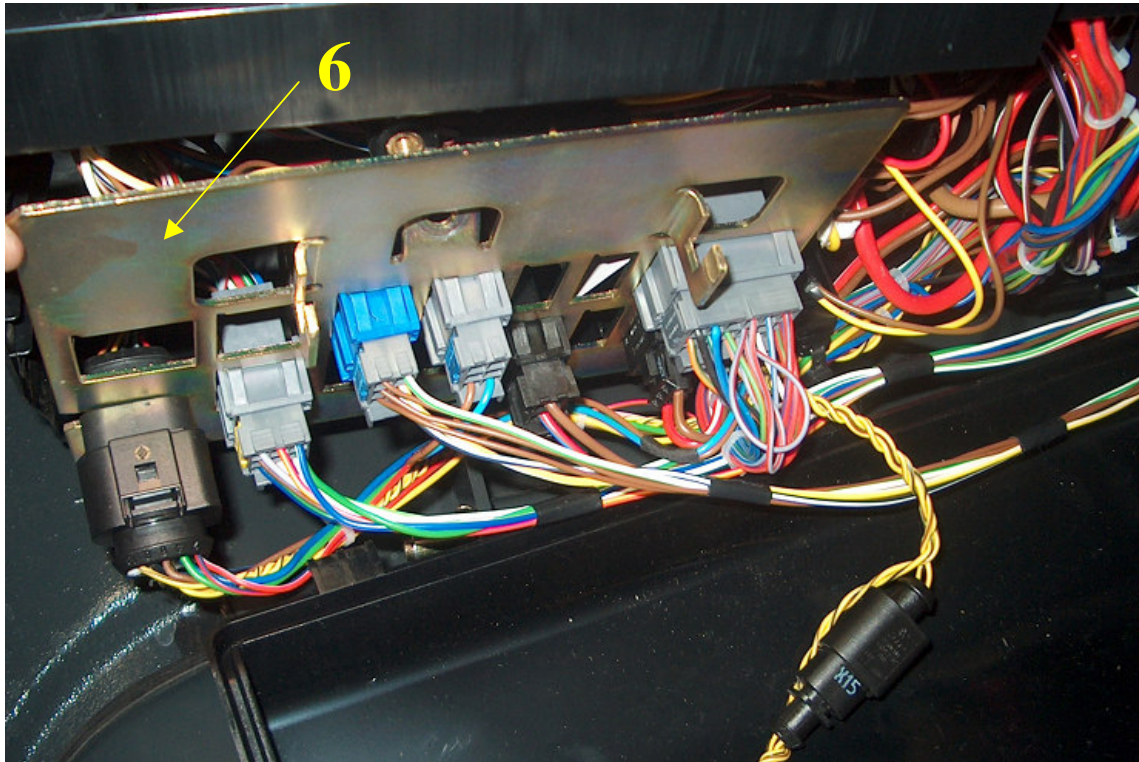
4. Bolt the plus connection terminal ( 4 ).





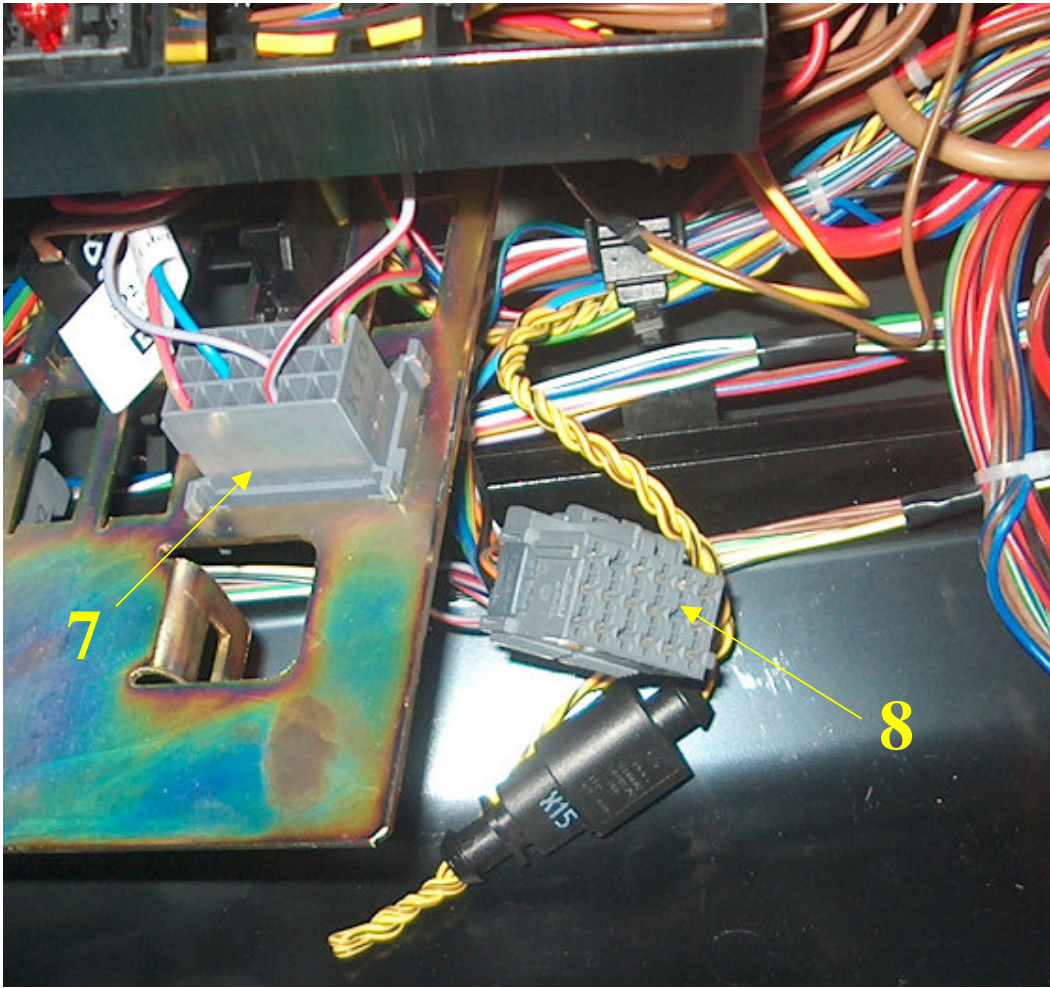
6. Attach the relays feeder cables ( 5 ) to plus connection terminal, (as to match red to red and brown to brown).

7. Unscrew the sheet ( 6 ).



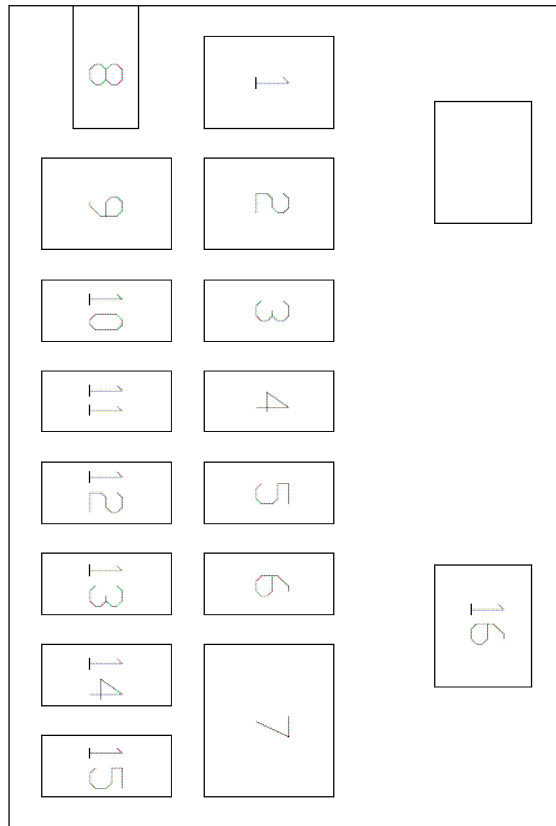
8. Attach the relays control to the connection block X10 ( 7 ), in accordance with cables led to its opposite site ( 8 ).





9 Attach connection blocks ( 9 ) to the sheet ( 6 ) as show on the diagram.





Position	Marking	Destination
1.	5X1/5X4	Front and rear driving light
2.	7X1	
3.	9X5	Windscreen washer pumps
4.	4X2	Reversing alarm
5.	5X3/5X9	Warning light
6.		
7.	X10	Standard equipment interface
8.	6X1	To forklift-truck display
9.	9X1	Wipers timing control
10.	4X1	
11.		
12.	9X9	Heating system
13.		
14.	9X7	Heated seat
15.	9X8	Radio
16.	X15	

10. Unscrew the side mask cover ( 10 ), and top cover ( 11 ).

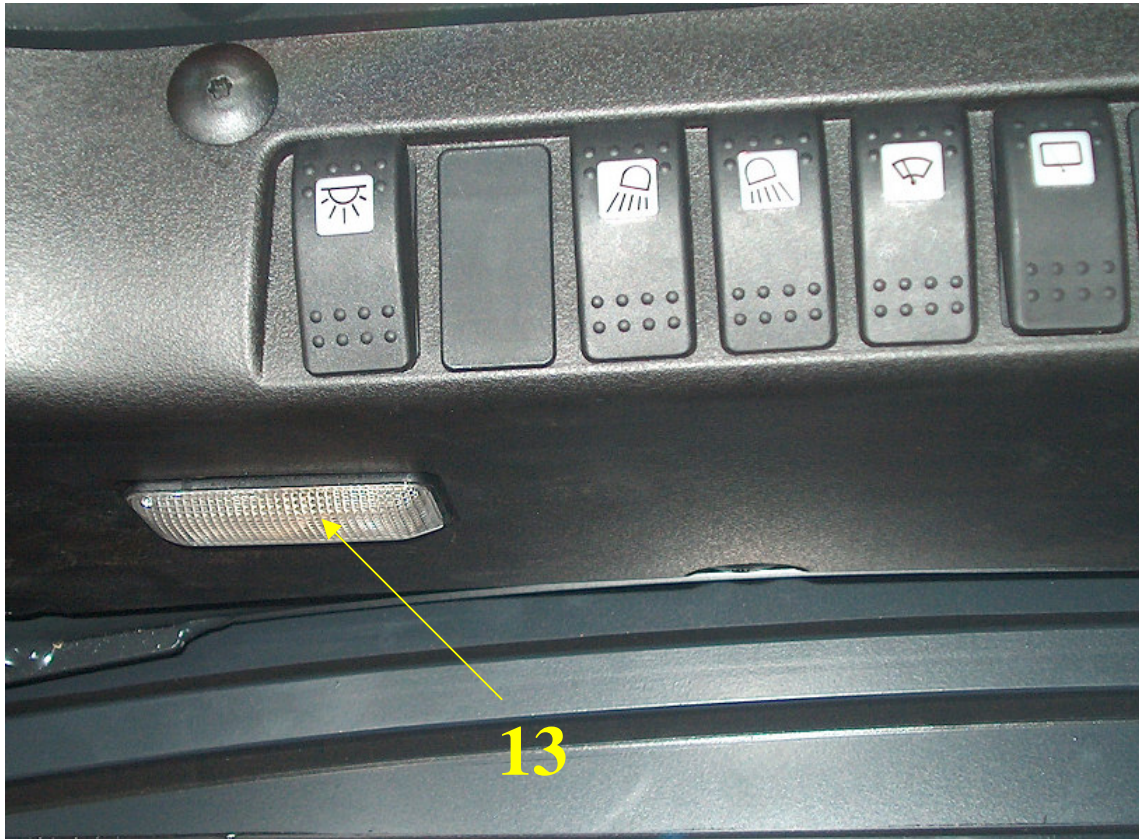


11. Attach switches ( 12 ) to connection blocks, as shown on the diagram.

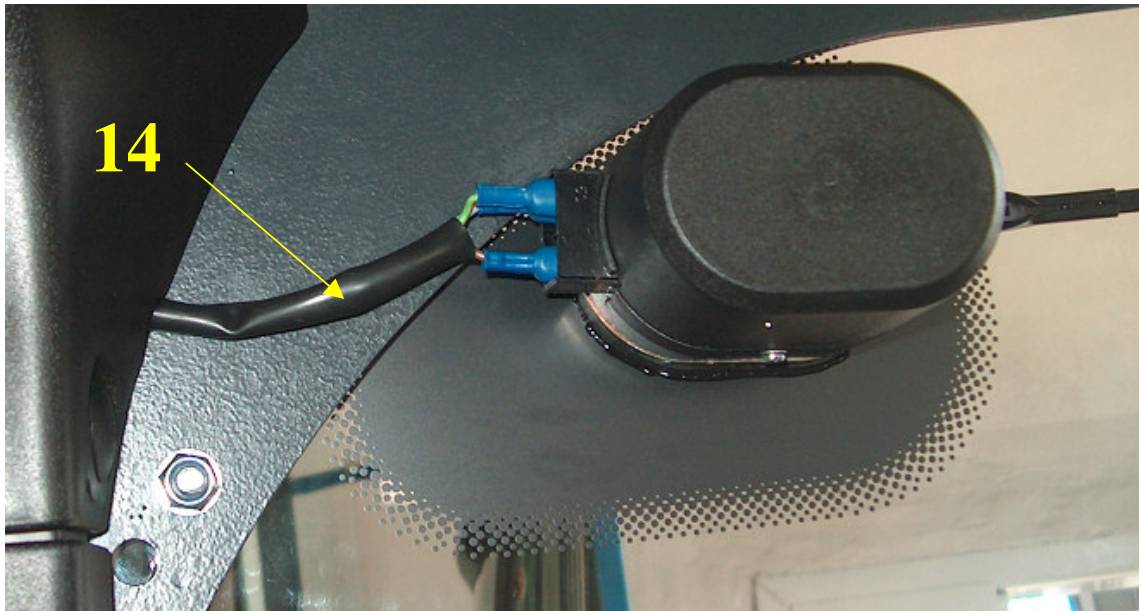


Position	Destination
1.	Cab interior lighting
2.	Driving lights
3.	Front working lights
4.	Rear working lights
5.	Windshield wiper
6.	Rear window wiper
7.	Roof wiper
8.	Hazard lights
9.	
10.	
11.	
12.	Warning light

12. Install the cab interior lighting ( 13 ).



13. Lead the rear window wiper cables ( 14 ) to rear window wiper, rear and front working lights and to driving lighting.

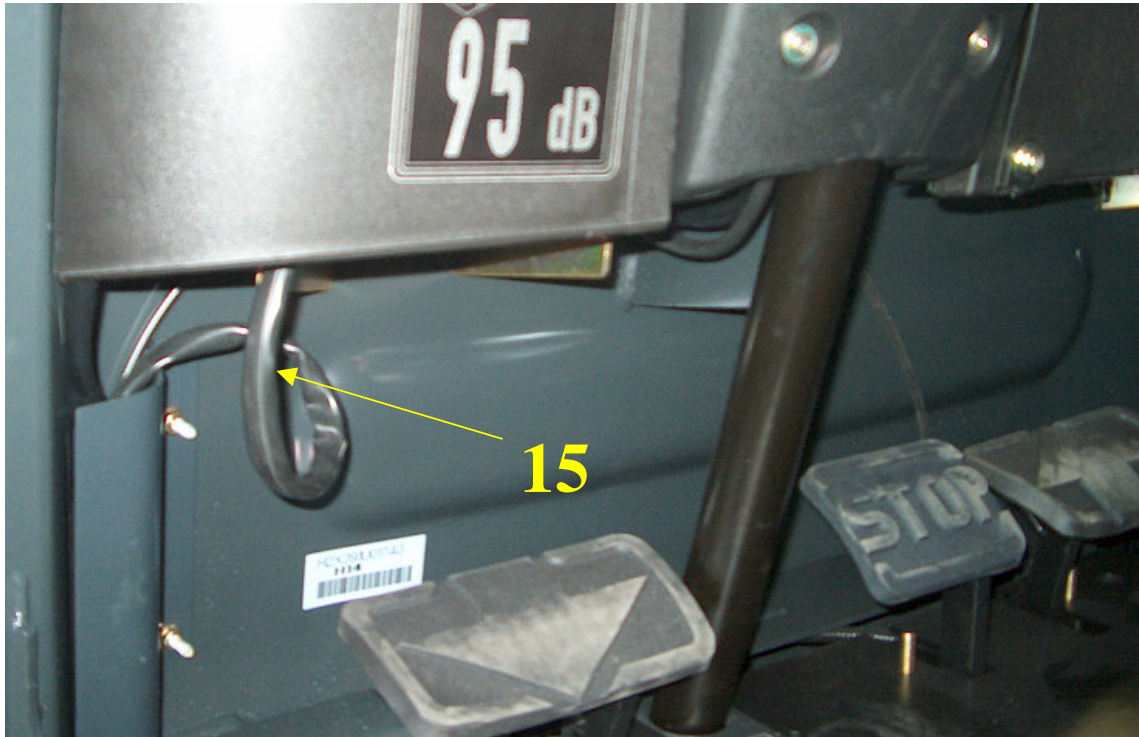




14. Screw down the side and top mask covers.

15. Lead the cables to ( 15 ) front working lights, driving lights, windshield wiper and to the heater.



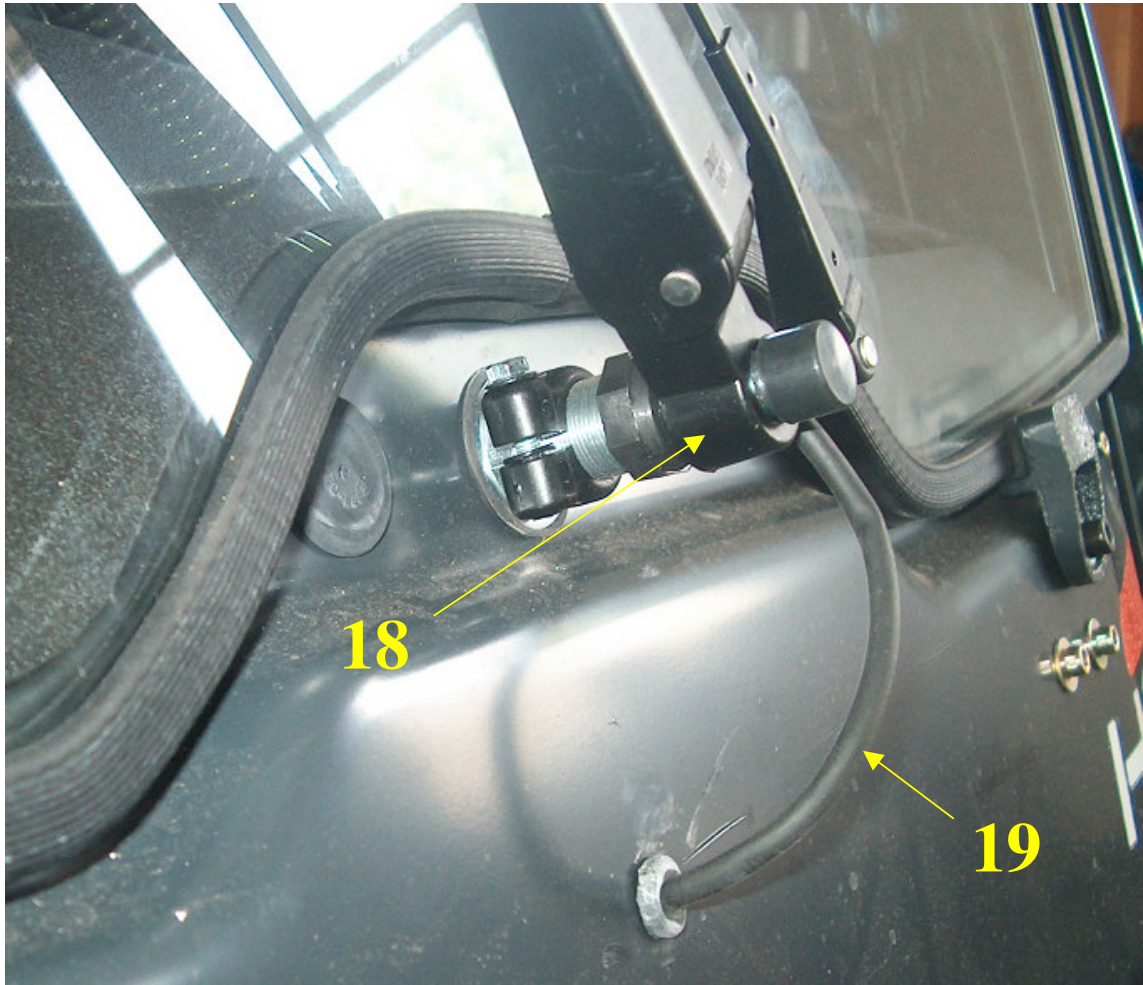


16. Unscrew the steering wheel cockpit ( 16 ).
17. Attach the indicator and wipers control switches ( 17 ).

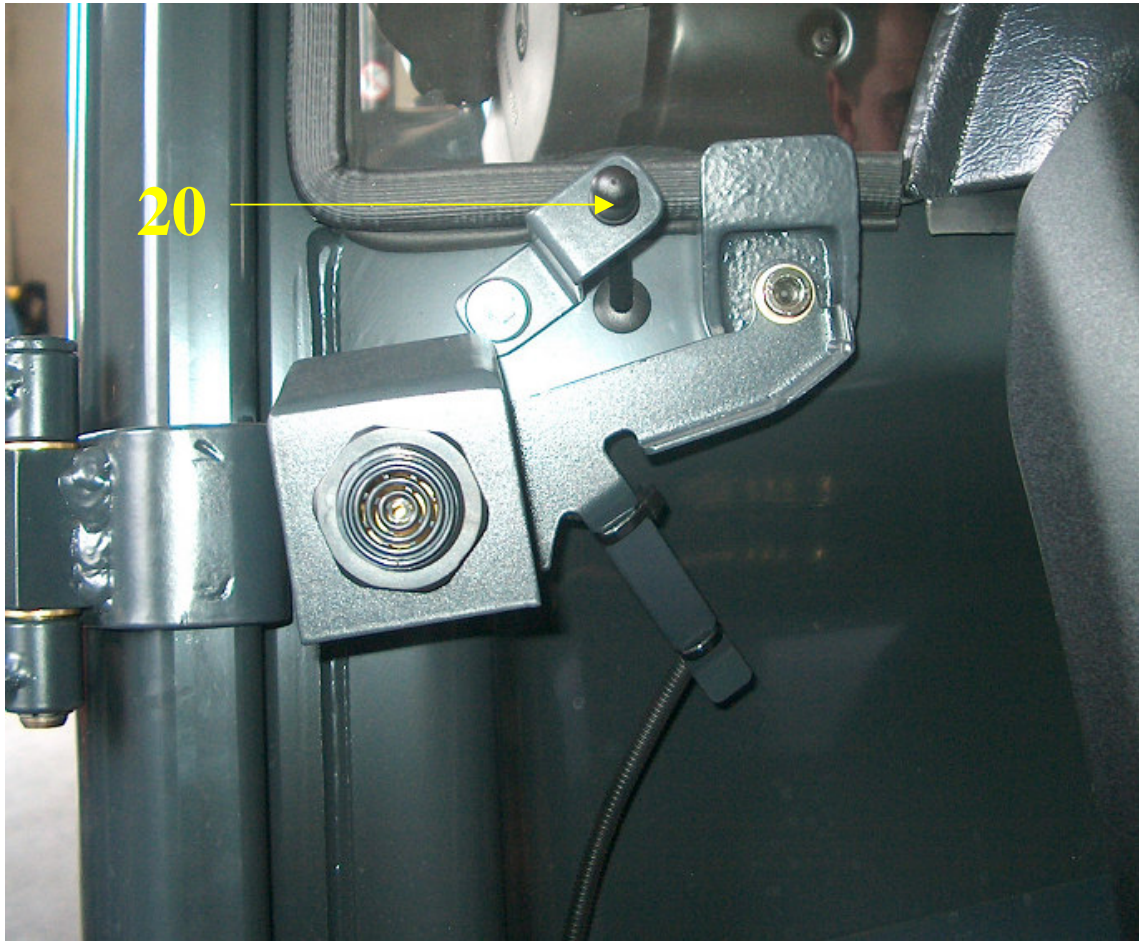


18. Remove the blank plug, and attach the windshield wiper ( 16 ); Attach the wiper arm and blade ( 18 ).
19. Lead the windscreen washer hose ( 19 ) through the hole in the windscreen washer tank.

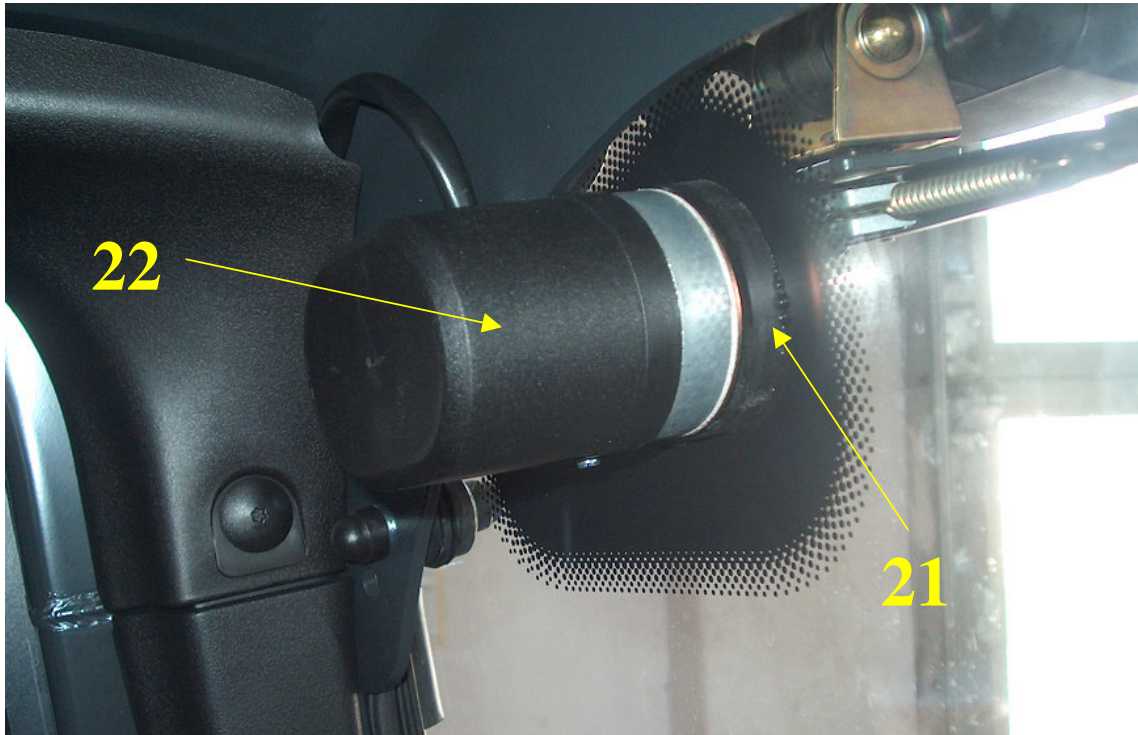




20. Lead the windscreen washer hose to the rear window washer tank ( 20 ).



21. Screw down front working lights and driving lights.
22. Attach front working lights and windshield wiper.
23. Glue the distance washer ( 21 ) to the rear window and attach the rear window washer ( 22 ). Attach both the arm and blade of the wiper ( 23 ).



24. Screw down rear working lights and driving lights.
25. Attach cables to working and driving lights and to the rear window wiper.
26. Attach the heater.
27. Screw down the sheet ( 6 ), attach the fuses cover ( 1 ) and screw down the rear cover ( 2 ).

#### Front driving lights

1. Attach the clamps on the forklift-truck arm and fasten with a M8x50 bolt.

#### Rear driving lights

1. Cut the holes of  $\varnothing$  140 in the grille.
2. Try to adjust the lamp and its holder.
3. Mark the fastening holes on the grille. Turning indicator on the lamp should be set in the horizontal position.
4. Drill the holes of  $\varnothing$  7 in the grille.
5. Attach the lamp holder using a M6x20 bolts.