

Tail Light Wiring Harness

Job. No.
54—2

A. Circuit Diagram of Tail Light Wiring Harness

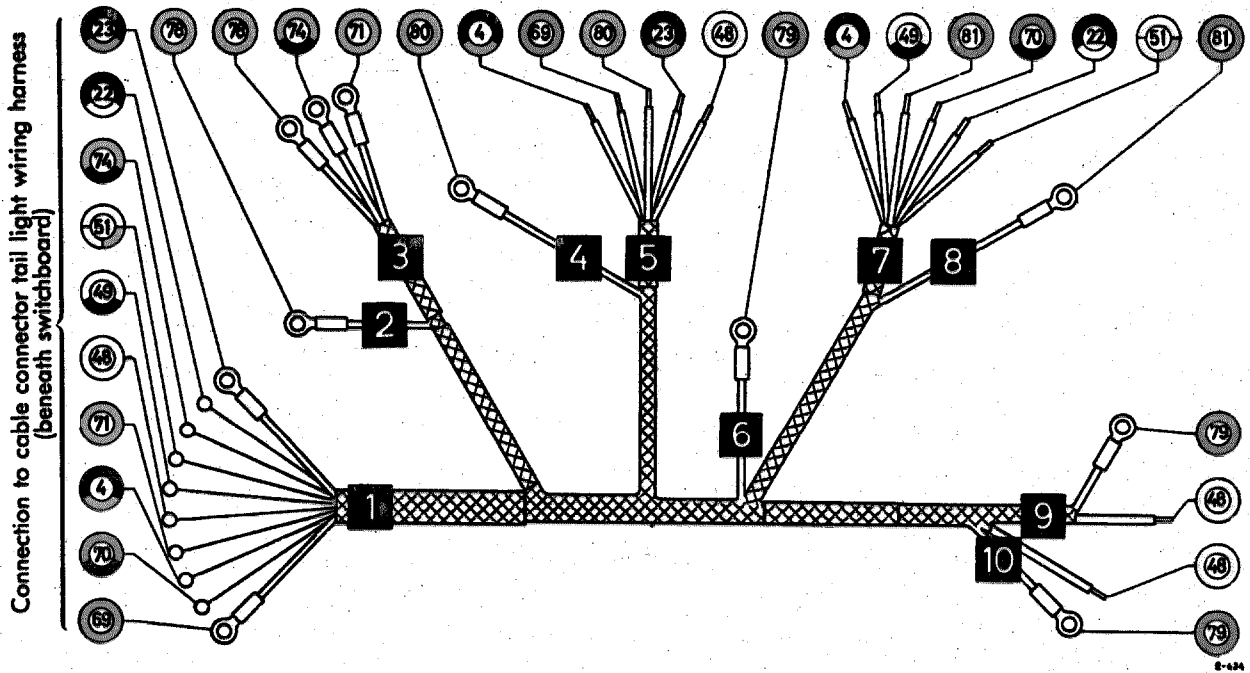


Fig. 54—2/1

B. Appendix to Tail Light Wiring Harness

Lead No.	Basic color	Color coding color	Wiring position	Emerges at cable sheaf No.	Cross-section of lead in mm ²
Cable sheaf 1 at Cable Connector – Tail Lights – Wiring Harness					
23	black	green	from cable connector – tail lights – wiring harness to flash signal, rear, right	5	1.0
22	black	white	from cable connector – tail lights – wiring harness to flash signal, rear, left	7	1.0
74	blue	black	from cable connector – tail lights – wiring harness to fuel level indicator mechanism (reserve)	3	0.5
51	grey	yellow/red	from cable connector – tail lights – wiring harness to reversing light (in left tail light)	7	1.0
49	grey	black	from cable connector – tail lights – wiring harness to tail light, left	7	0.5
48	grey	—	from cable connector – tail lights – wiring harness to tail light, right	5	main lead 1.0 branch leads 0.5
			and to license plate lighting, right	9	
			and to license plate lighting, left	10	
71	blue	—	from cable connector – tail lights – wiring harness to fuel level indicator mechanism (fuel gage)	3	0.5

Lead No.	Basic color	Color coding color	Wiring position	Emerges at cable sheaf No.	Cross-section of lead in mm ²
4	black	red	from cable connector – tail lights – wiring harness to brake light, right and to brake light, left	5	main lead 1.0 branch leads 0.5
70	green	black	from cable connector – tail lights – wiring harness to parking light, rear, left	7	
69	green	—	from cable connector – tail lights – wiring harness to parking light, rear, right	7	
				5	0.5
Cable sheaf 2 Ground at Trunk Compartment Floor					
78	brown	—	from fuel level indicator mechanism to ground	3	0.5
Cable sheaf 3 at Fuel Level Indicator Mechanism (Special Indicator)					
78	brown	—	from fuel level indicator mechanism to ground	2	0.5
74	blue	black	from cable connector – tail lights – wiring harness to fuel level indicator mechanism (reserve)	1	0.5
71	blue	—	from cable connector – tail lights – wiring harness to fuel level indicator mechanism (fuel gage)	1	0.5
Cable sheaf 4 Ground in Trunk Compartment, Right					
80	brown	—	from brake light and tail light, right, to ground	5	0.5
Cable sheaf 5 at Brake Light and Tail Light, Right					
4	black	red	from cable connector – tail lights – wiring harness to brake light, right	1	0.5
69	green	—	from cable connector – tail lights – wiring harness to parking light, rear, right	1	0.5
80	brown	—	from brake light and tail light, right, to ground	4	0.5
23	black	green	from cable connector – tail lights – wiring harness to flash signal, rear, right	1	0.5
48	grey	—	from cable connector – tail lights – wiring harness to tail light, right	1	0.5
Cable sheaf 6 Ground in Trunk Compartment, Left, Top					
79	brown	—	from license plate light, right and license plate light, left, to ground	9 10	main lead 1.0 branch leads 0.5
Cable sheaf 7 at Brake Light and Tail Light, Left					
4	black	red	from cable connector – tail lights – wiring harness to brake light, left	1	0.5
49	grey	black	from cable connector – tail lights – wiring harness to tail light, left	1	0.5
81	brown	—	from brake light and tail light to ground	8	0.5
70	green	black	from cable connector – tail lights – wiring harness to parking light, rear, left	1	0.5
22	black	white	from cable connector – tail lights – wiring harness to flash signal, rear, left	1	1.0
51	grey	yellow/red	from cable connector – tail lights – wiring harness to reversing light	1	1.0

Lead No.	Basic color	Color coding color	Wiring position	Emerges at cable sheaf No.	Cross-section of lead in mm ²
Cable sheaf 8 Ground in Trunk Compartment, Left					
81	brown	—	from brake light and tail light, left, to ground	7	0.5
Cable sheaf 9 at License Plate Light, Right					
79	brown	—	from license plate light, right, to ground	6	0.5
48	grey	—	from cable connector – tail lights – wiring harness to license plate light, right and to license plate light, left and to tail light, right	1 10 5	main lead 1.0 branch leads 0.5
Cable sheaf 10 at License Plate Light, Left					
48	grey	—	from cable connector – tail lights – wiring harness to license plate light, left and to license plate light, right and to tail light, right	1 9 5 6	main lead 1.0 branch leads 0.5
79	brown	—	from license plate light, left, to ground		

C. Removal and Installation of Tail Light Wiring Harness

Removal:

1. Remove the left front seat (see Job No. 91 — 1) and the rear seat cushion (see Job No. 92 — 1).
2. Remove the insulation panel at the toe-board, upper part, under the instrument panel.
3. Disconnect the tail light wiring harness at the cable connector (consisting of two 5-way cable connectors) under the instrument panel.
4. Detach the rubber mat for the front floor and the rubber mat for the rear floor and turn the mats back far enough for the wiring harness to be taken out. To do this, bend the spot-welded fixing clips slightly open.
5. Pull the tail light wiring harness toward the rear into the trunk compartment.
6. Take out the rubber mat in the center part of the trunk compartment. Press off the cover (5) for the fuel tank indicator mechanism.

nism. Then disconnect the two cables (2) and (3) and the ground cable (4) at the fuel level indicator mechanism (Fig. 54 — 2/2).

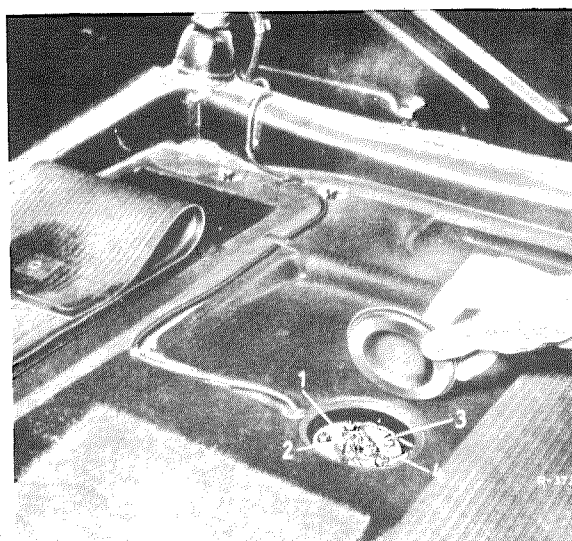


Fig. 54 — 2/2

- 1 Fuel level indicator mechanism
- 2 Connection for fuel indicator
- 3 Connection for reserve fuel indicator
- 4 Ground cable
- 5 Cover

7. Remove the license plate lighting, disconnect the cable (see Job. 82 — 12) and take the cable out of the push-in clips at the inner metal panel of the trunk lid. Then pull the cable out of the trunk lid.
8. Remove the right and left brake lights and tail lights, disconnect the cables and pull them into the trunk compartment (see Job No. 82 — 13).
9. Take the tail light wiring harness in the trunk compartment out of the cable clips.

Installation:

10. Installation is the reverse of the removal procedure. When connecting the electric cables, pay attention to the color coding. Connect as follows:

Left brake light and tail light:

The grey/black cable (Lead No. 49) to the tail light (4) (see Job No. 82 — 13, Fig. 82 — 13/1),

the black/red cable (Lead No. 4) to the brake light (5),

the green/black cable (Lead No. 70) to the parking light (6),

the grey/yellow/red cable (Lead No. 51) to the reversing light (7),

the black/white cable (Lead No. 22) to the flash direction signal (8),

the brown cable (Lead No. 81) to the ground connection (9) (see also Section A, Circuit Diagram of Tail Light Wiring Harness, Cable Sheaf **7**).

Right brake light and tail light:

The grey cable (Lead No. 48) to the tail light (4) (see Job No. 82 — 13, Fig. 82 — 13/1),

the black/red cable (Lead No. 4) to the brake light (5),

the green cable (Lead No. 69) to the parking light (6),

the black/green cable (Lead No. 23) to the flash direction signal (8),

the brown cable (Lead No. 80) to the ground connection (9) (see also Section A, Circuit Diagram of Tail Light Wiring Harness, Cable Sheaf **5**).

Fuel level indicator mechanism:

The brown cable (Lead No. 78) to one of the stay bolts of the fuel level indicator mechanism,

the blue/black cable (Lead No. 74) to the connection W (warning light contact — fuel reserve indicator),

the blue cable (Lead No. 71) to the connection G (indicator mechanism — fuel indicator) (see also Section A, Circuit Diagram of Tail Light Wiring Harness, Cable Sheaf **3**).

License plate lights:

The grey cable (Lead No. 48) to the back plate of the license plate light,

the brown cable (Lead No. 79) to the lower stay bolt of the license plate light housing (see also Section A, Circuit Diagram of the Tail Light Wiring Harness, Cable Sheaves **9** and **10**).

Note: The color coding is the same for the left and the right license plate lights.

Cable connector, tail light wiring harness:

The various cables should be connected in such a way that the color coding of the cables of the tail light wiring harness coincides with that of the cables of the main wiring harness.