71 Equipment

Specifications . . . . . page 71– 0/3
52 10 470 Subsequent fitting of reclining seat mechanism 10/1
71 60 010 Fitting of trailer bracket with electrical system 60/1

Specifications

Equipment

Model		1502	1602	1802	2002	2002 A	2002 TI	2002 tii
Max. permissible trailer load:								
unbraked	kg (lb)	500 (1102)						
braked	kg (lb)	600[5] (1323)	1200[2] (1000)[1] (2648) (2204)			800[3] (1764)	1200[2] (1000)[1] (2648) (2204)	
Max. towbar downthrust	kg (lb)	50[4] (110)						

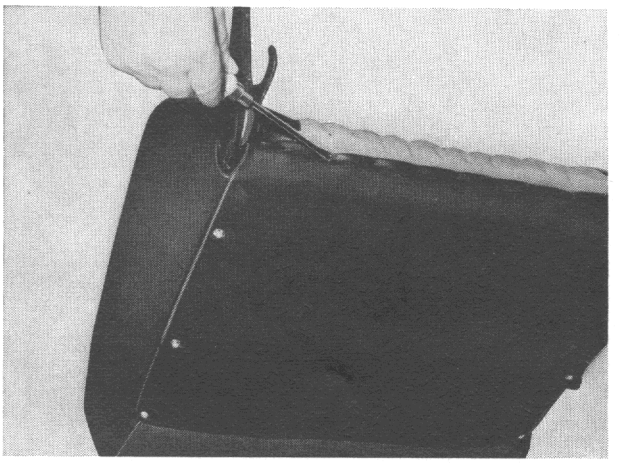
[1]) For BMW touring models, see figures in brackets (...)
[2]) BMW 1600 convertible, 2002 convertible, 2002 convertible with roll-over bar: 500 kg (1102 lb). If desired, the max. permissible trailer load (braked) may be increased to 750 kg (1653 lb).
[3]) If fitted with transmission oil cooler, the BMW 2002 A may tow a maximum trailer load of 1200 kg (2648 lb) (braked) and the BMW touring 2002 A 1000 kg (2204 lb) (braked).
[4]) Permissible towbar and roof loads subject to max. trailer loads not being exceeded (see also page 41-0/5)
[5]) 1200 kg (2648 lb) at max. gradient 12 % (1 in 8.3)

52 10 470 Seat covers — refitting

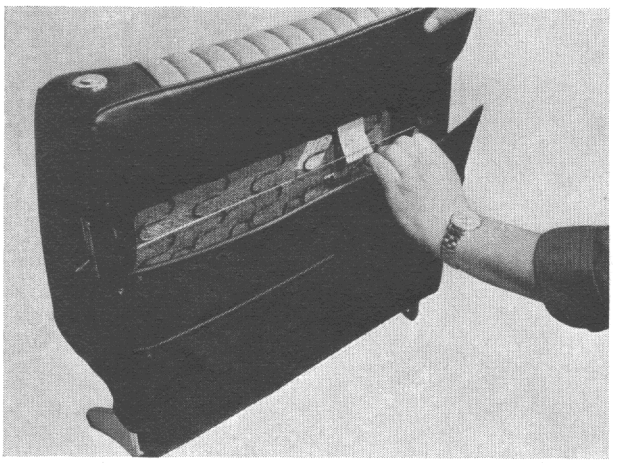
Remove (install) front seat — 52 10 000.

Detach seat back.

Bend up fixing hooks and unscrew rear panel of seat back.



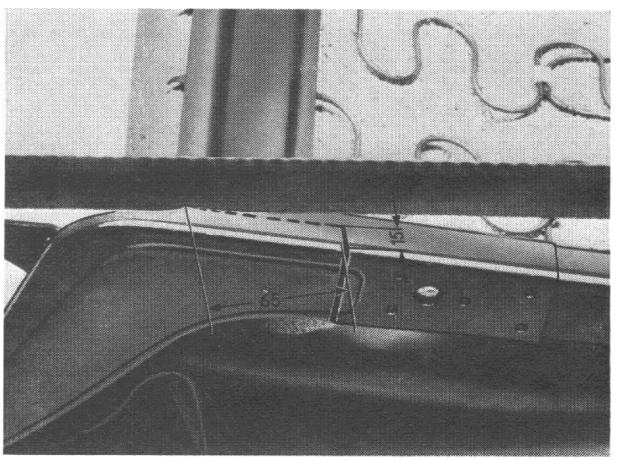
Remove trim.



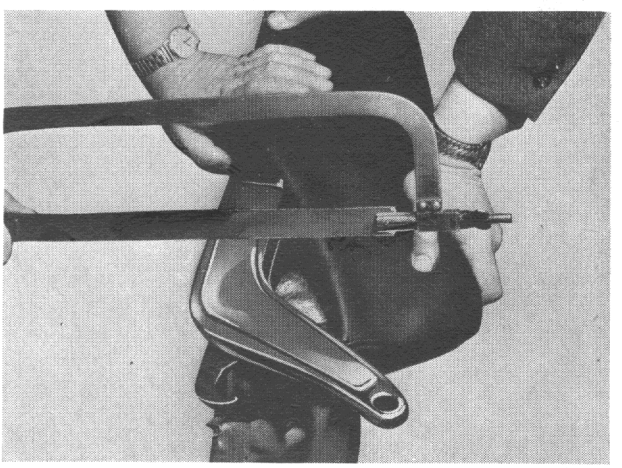
Detach seat cover at left and right and remove from spar.

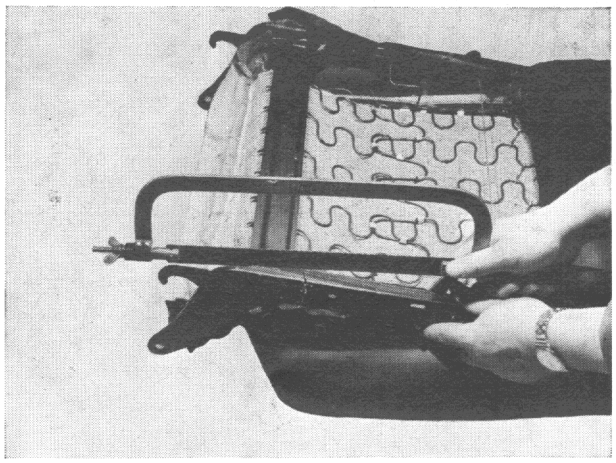
Mark measurement of 65 mm (2.56 in.) from the lower edge of the seat back.

Measure 15 mm (0.6 in.) from the outer edge of the seat back support.



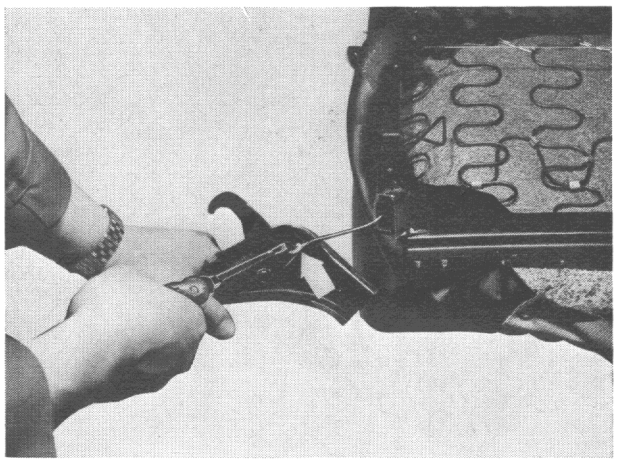
Saw off outer seat back support at this point.





Saw off inner seat back support.

■

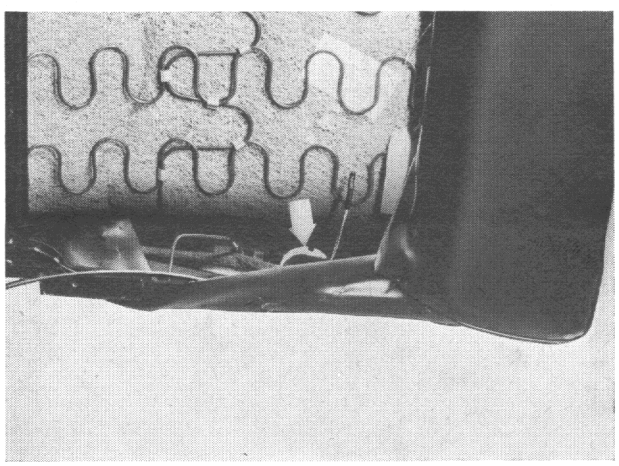


Detach both cables for seat back lock.

■

Detach both cables at the seat locating rack.

■

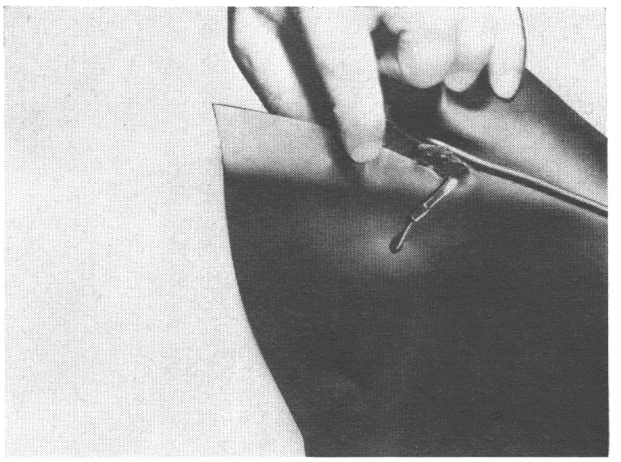


Cut out a small notch on the cable pulley and draw the long cable through.

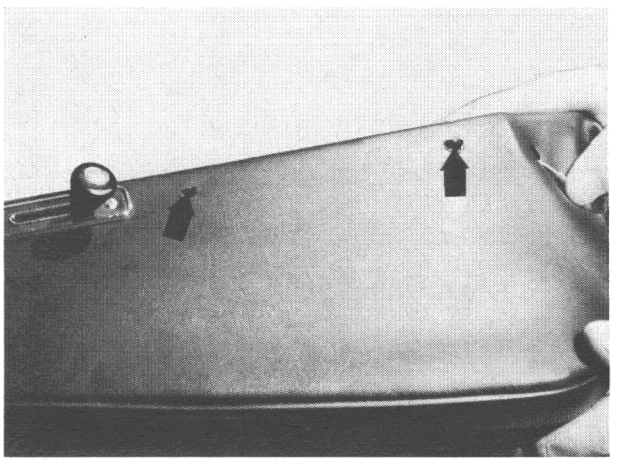
When installing: Fit new cables.

■

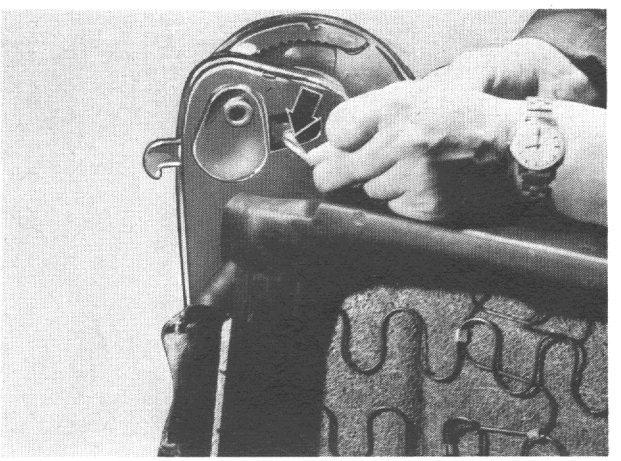
Pull cover over the seat back supports and cut holes to take the cables.



Pierce the cover at the holes in the members.

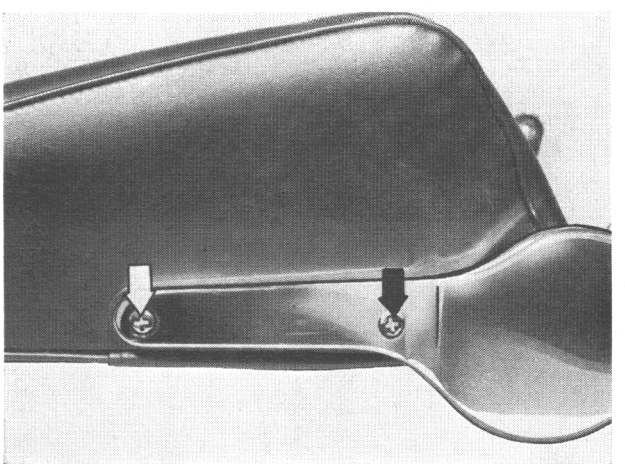


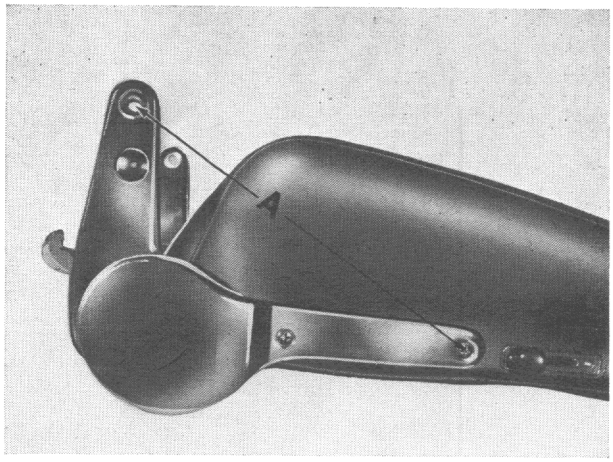
Attach eyelets on cables to the hooks on the reclining seat mechanisms.



Attach the inner half of the mechanism to the seat back support rest member.

When installing: While tightening, ensure that the cable is not trapped.





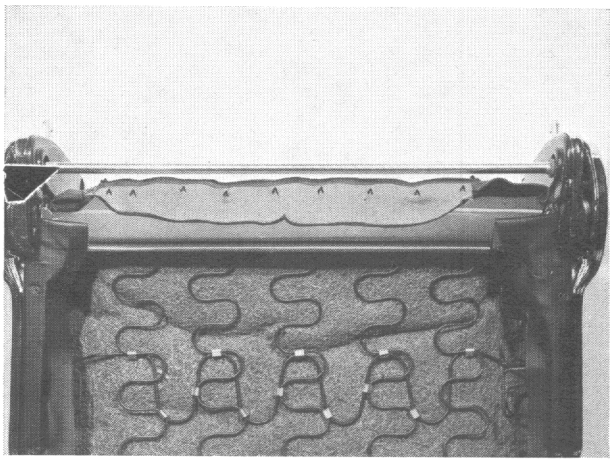
Fit connecting rod to both halves of the mechanism.

When installing: Fit the connecting rod so that distance A is equal on both sides. Ensure that the seat back adjusting lever is not trapped.

Screw the outer halves of the mechanisms into place.

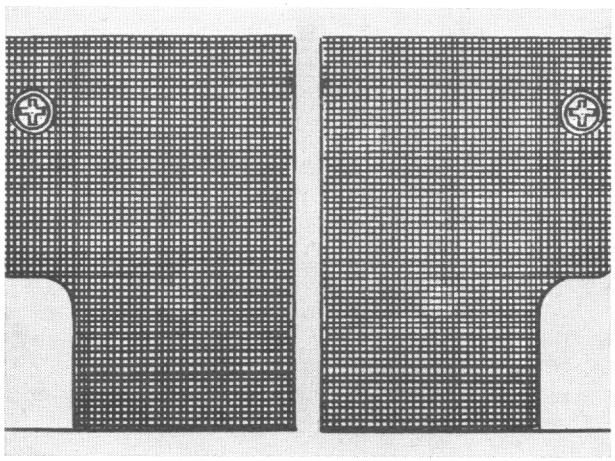
The cable should not become trapped during this operation.

■



Attach the free hanging cover to the hooks.

■

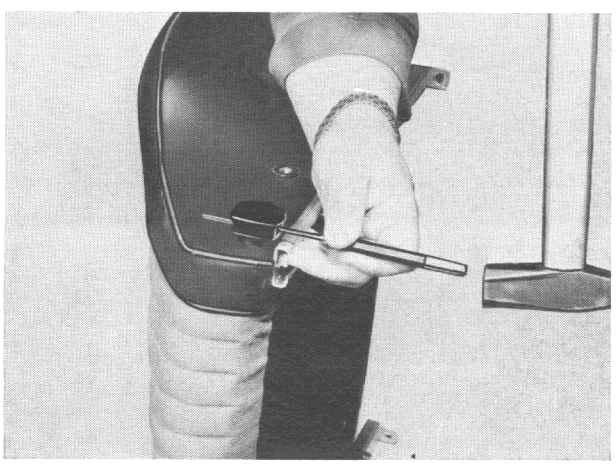


Cut away rear section of seat back using the template provided. To do this, fold back the leatherette covering at both bottom corners and refix to the board, after cutting away.

Screw on seat back rear section and attach the cover to the hooks. Bend hooks back.

Note: Only use template shown in the illustration.

■

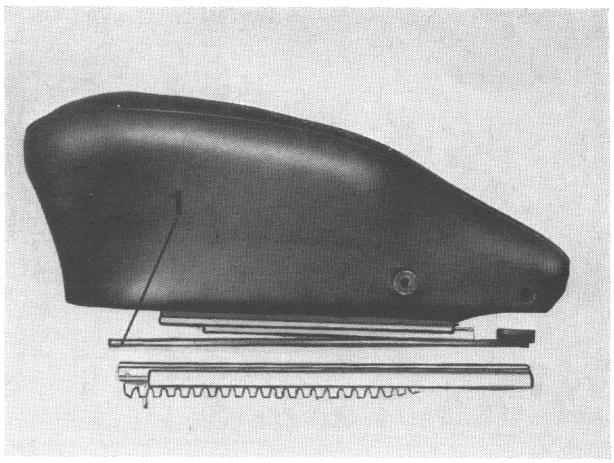


Remove the taper pin from the cam adjuster on the seat base and dismantle the cam adjuster.

■

Unscrew seat rails and lay the cover trims (1) between the rails and the seat. Fix the rails lightly with the hexagonal nuts supplied.

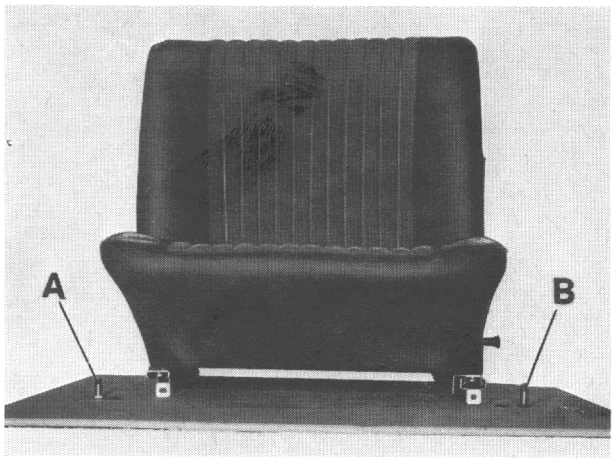
■



Fit the seat back to the seat base.

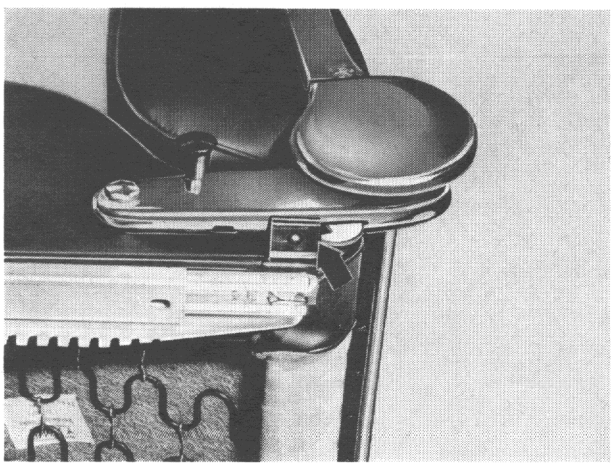
On the outside of the seat use collar screws (B) with 21 mm (0.79 in.) collar, and on the inner side (A) use 16 mm (0.63 in.) high collars.

■



Fit the cover trims to the hooks on the seat back lock, and tighten the seat rails firmly.

■



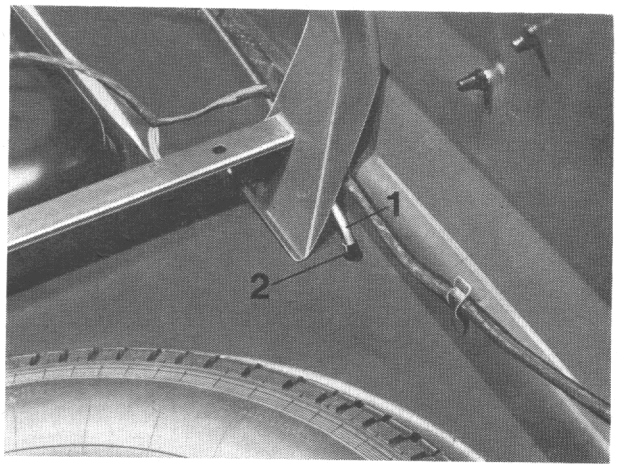
71 60 010 Trailer coupling with electrics
— fitting —

Remove (install) end silencer (muffler) — 18 12 031.

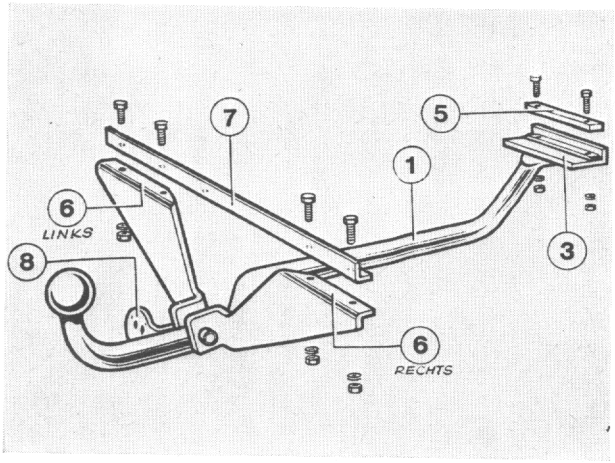
Disconnect earth (ground) cable from battery.

Remove left hand floor panel from the luggage compartment and unscrew the right hand floor panel.

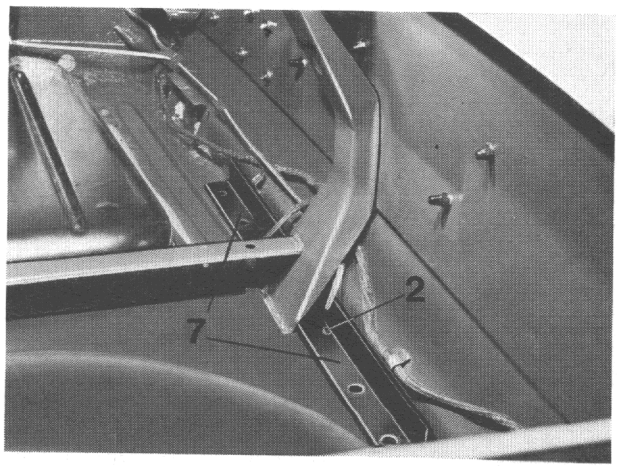
Withdraw the fuel breather pipe (1) from the rubber grommet (2).



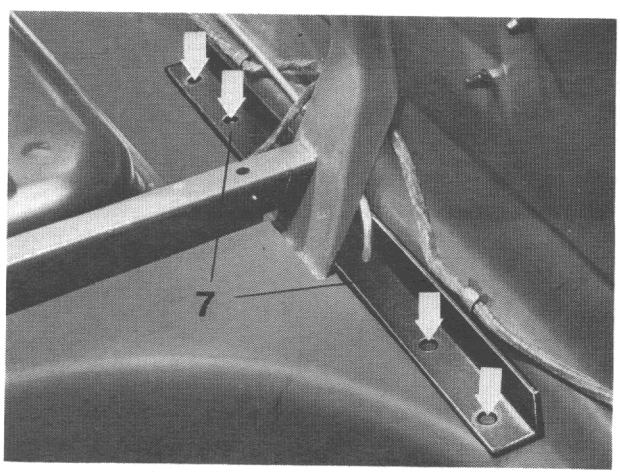
Bolt the left and right hand supports (6) and the plug holder (8) to the longitudinal tube (1).

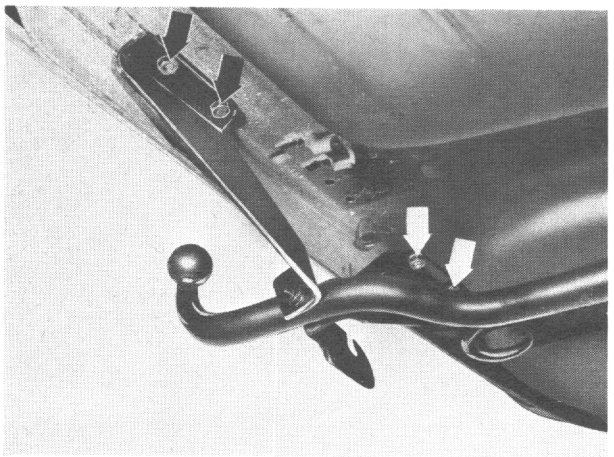


Position the angle piece (7) in the luggage compartment so that the rubber grommet (2) for the fuel breather pipe fits into the 12 mm (0.47 in.) diameter bore.



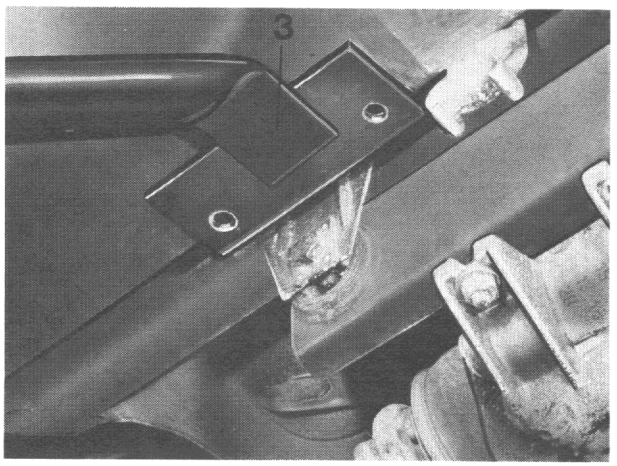
Arrange the angle piece (7) parallel to the back panel of the luggage compartment. Mark the four holes in the angle piece on the floor of the luggage compartment and drill downwards.





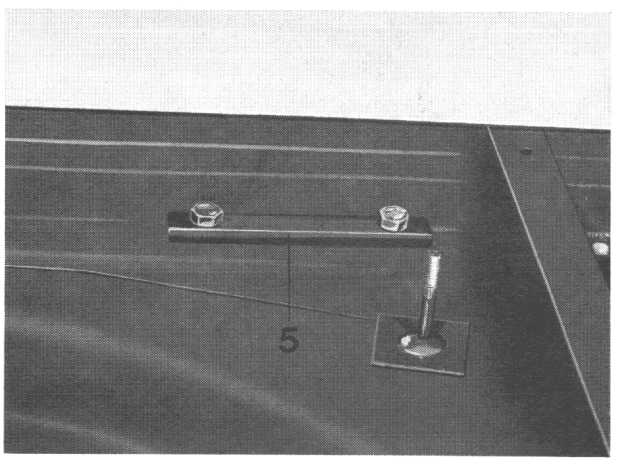
Offer up the trailer attachment underneath the floor of the luggage compartment and lightly bolt to the angle piece (7) in the luggage compartment.

■



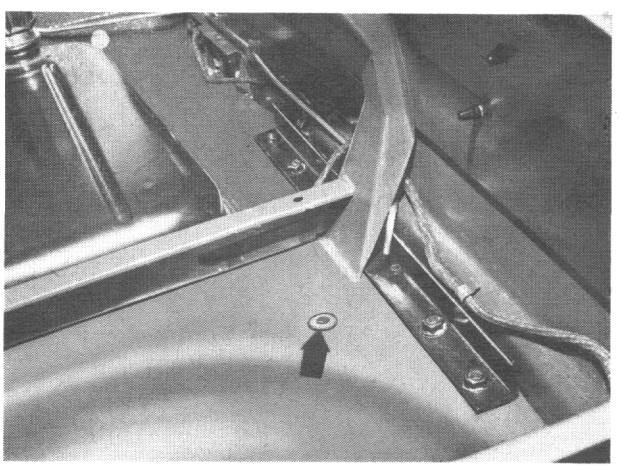
Position the far end (3) of the towing attachment on the underside of the luggage compartment floor, position and drill the holes from underneath.

■



Lay the insert (5) on the luggage compartment floor and bolt to the far end (3) of the trailer attachment. Tighten all trailer attachment bolts.

■



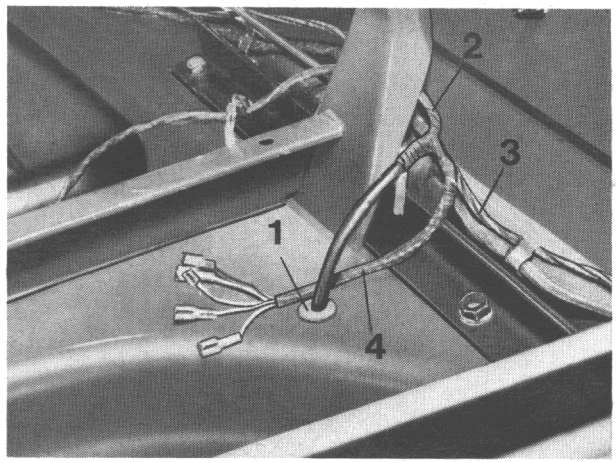
Drill a 14 mm (0.55 in.) diameter hole for the rubber grommet and press the grommet in place.

■

Lead additional cable to the rear along loom and pass through rubber sleeve.

Note when fitting: Pass cable (1) through rubber sleeve. Cable (2) with the earth cable must lead to the right-hand rear light, cable (3) to the left-hand rear light.
Cable (4) must lead to the control relay.

■

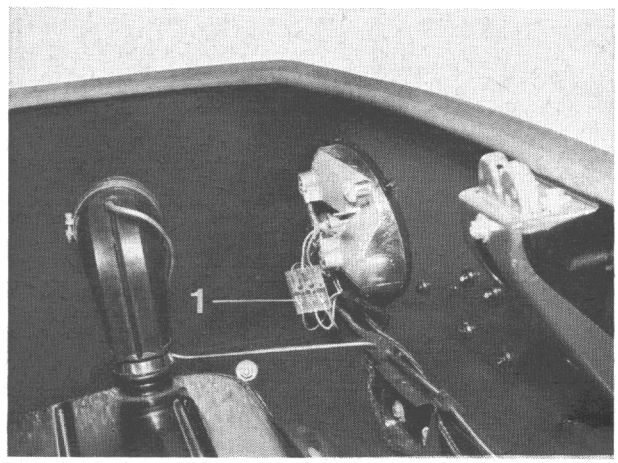


Pull cable off rear light and connect to plugboard (1) with colours to match.
Connect cable from additional line to rear light with colours to match.

73 models

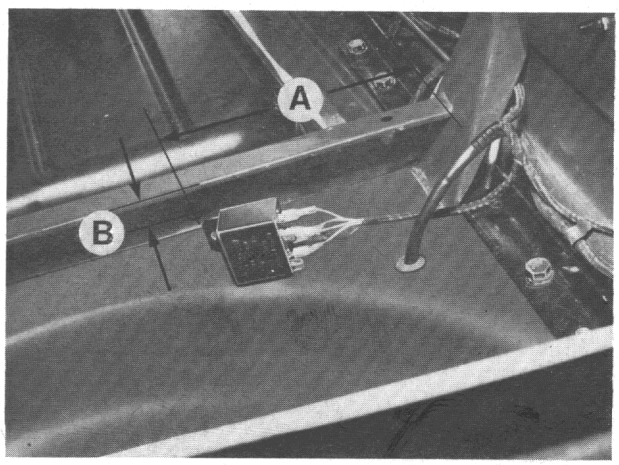
Detach plug at rear light and connect to additional wiring.
Connect plug on additional wiring to rear light.

■



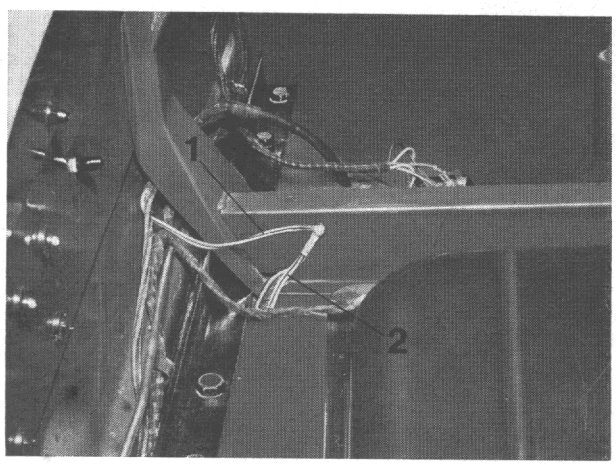
Connect lead from additional wiring to control relay as shown in wiring diagram.
Drill hole of 6 mm (0.24 in) dia. for control relay.
Distance A = 185 mm (7.28 in)
Distance B = 36 mm (1.42 in)

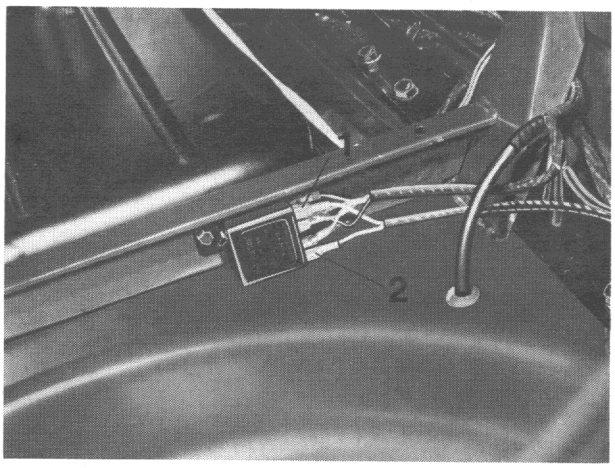
■



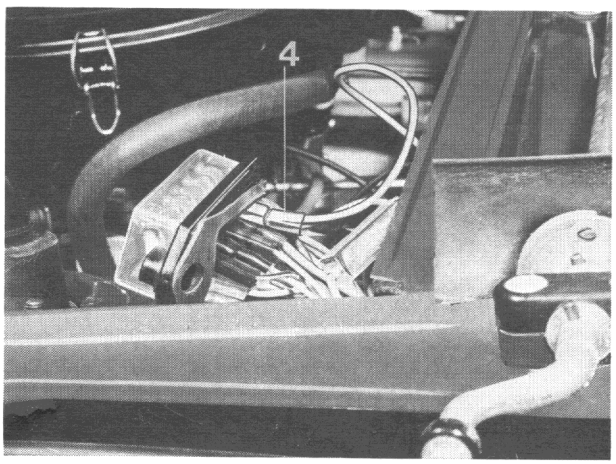
Attach earth (ground) cable (1) from additional wiring to existing earth lead (2).

■

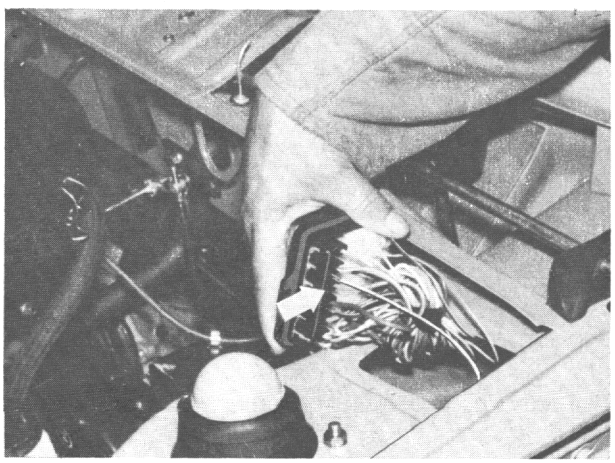




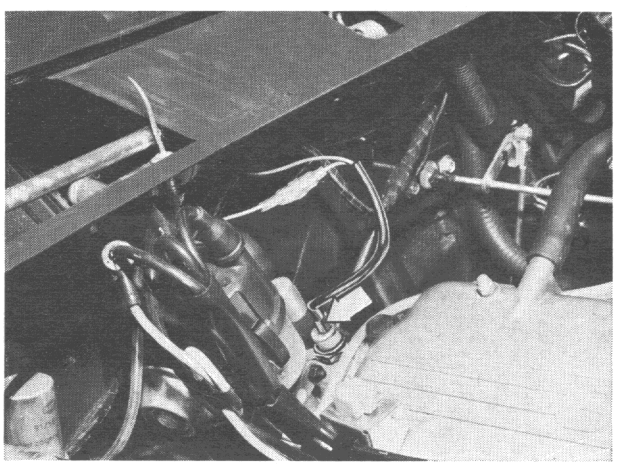
Connect lead (1–2) for oil pressure telltale and fusebox to control relay, and lead along loom until fusebox is reached. Fasten control relay with M 6 x 10 mm bolt.
■



Unscrew fusebox and connect red cable to the output sokket of fuse 4.
Model 71 on: connect to output 8.
■



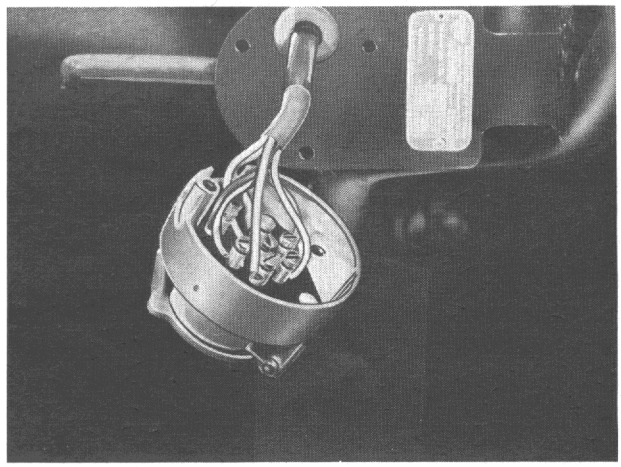
73 models:
Detach fuse box and connect red lead to fuse 2 output.
■



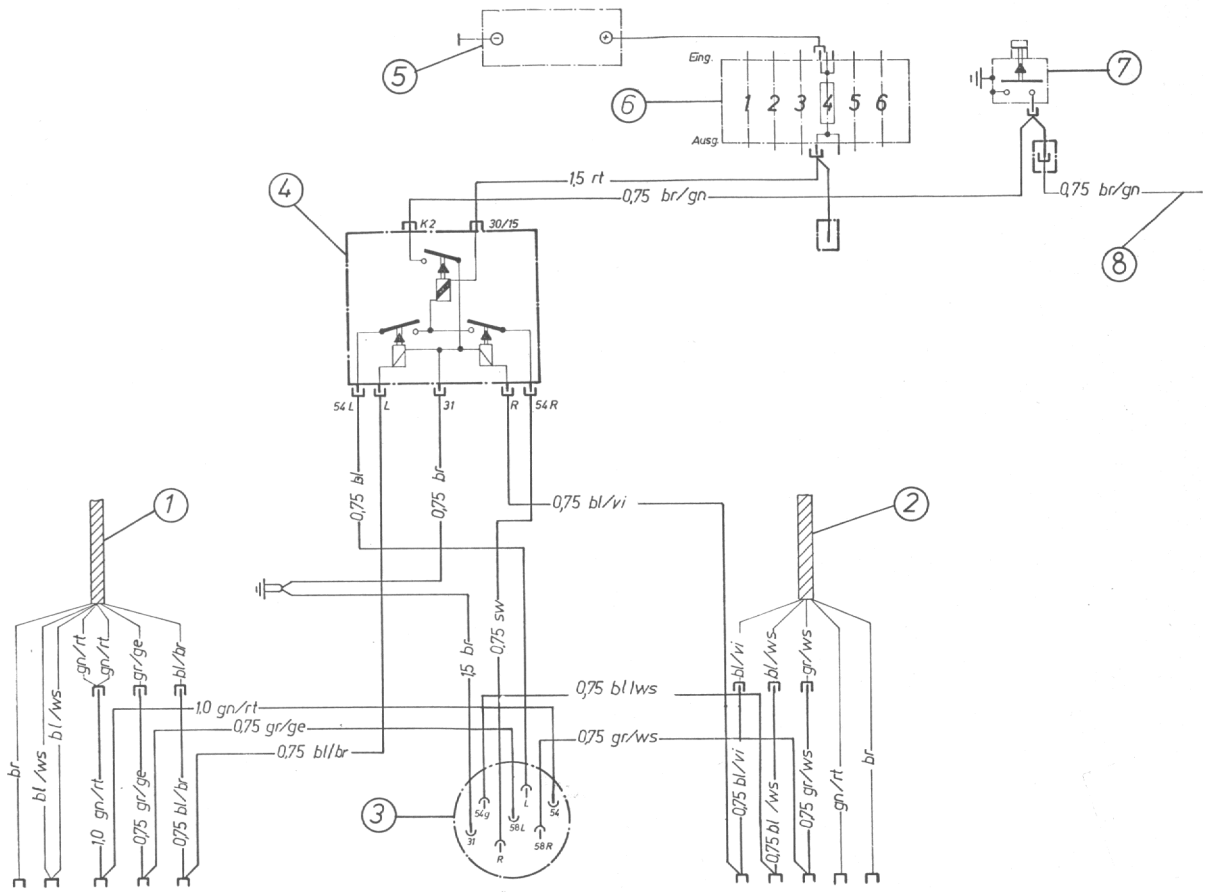
Lead brown/green cable to oil pressure telltale switch and connect to cable already provided.
■

Press rubber sleeve into towbar.
Pass cables through, connect to socket and fasten socket on towbar.
■

Checking operation:
Make quite sure that the plug connections agree with those in the socket. When attaching a trailer, check correct operation of trailer lighting.
■

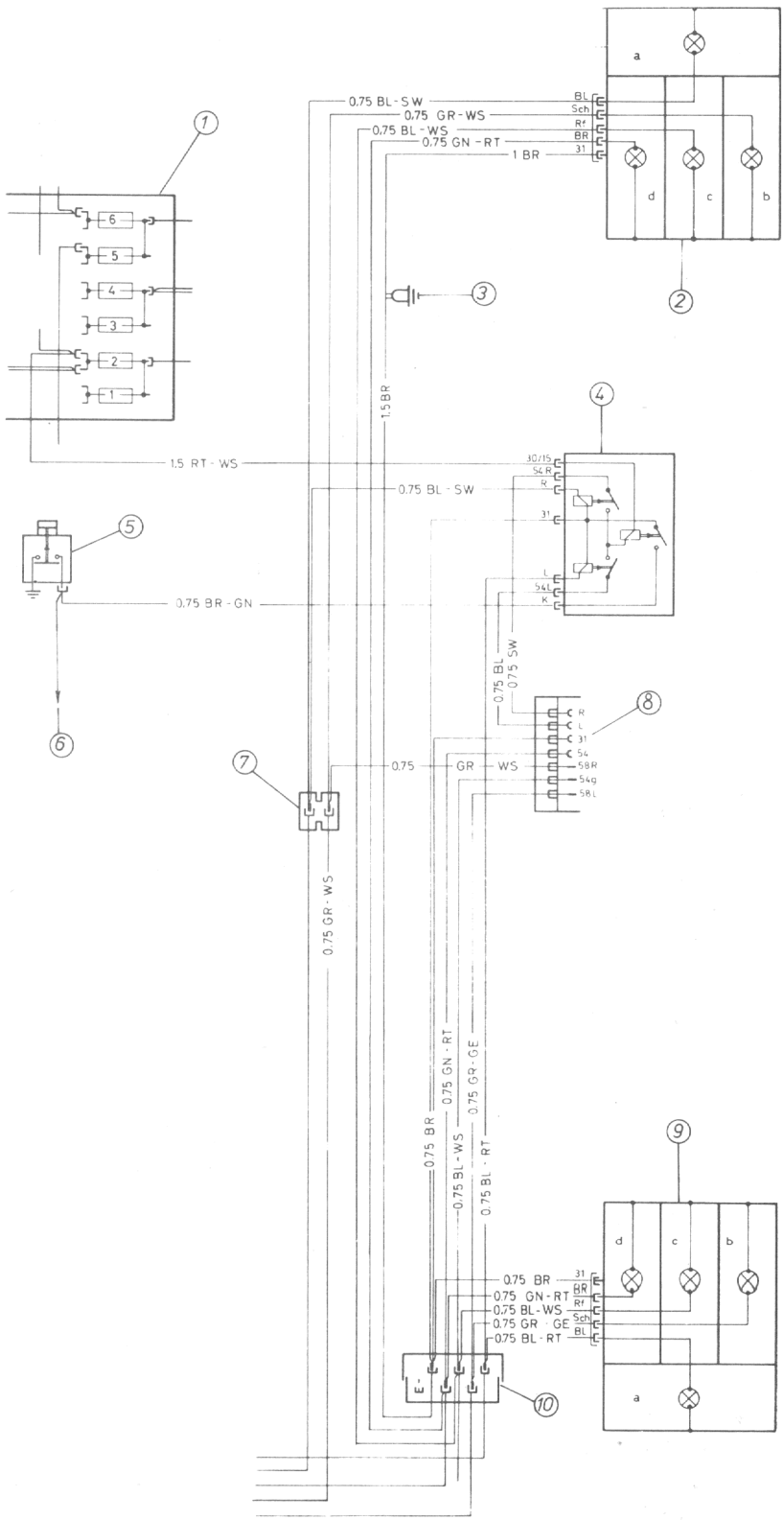


Wiring diagram – trailer coupling (up to 73 models)



1 Loom section for left-hand rear light cluster
2 Loom section for right-hand rear light cluster
3 Towbar socket
4 Trailer relay
5 Battery
6 Fuse box (as from 1971 model: connection to outlet 8)
7 Oil pressure telltale switch
8 Front loom section with oil pressure telltale lead

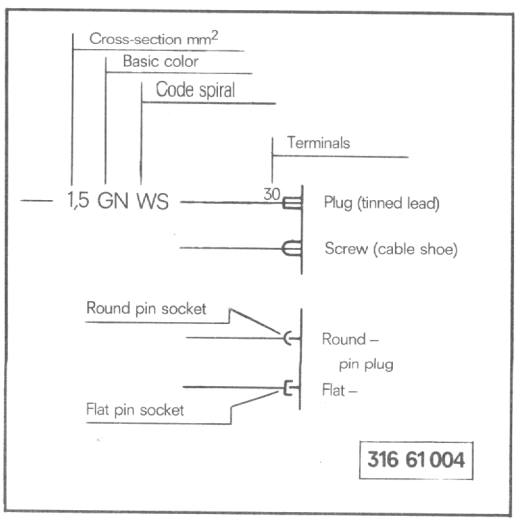
Wiring diagram for trailer coupling – 73 models onwards



Color codes:

BL = blue
BR = brown
GE = yellow
GN = green
RT = red
SW = black
WS = white

a) = Turn indicator
b) = Rear light
c) = Reversing light
d) = Brake light



1) Fuse box
2) Right rear light
3) Earth (ground)
4) Trailer control relay
5) Oil pressure contact
6) Oil pressure telltale
7) Right rear light plug
8) Trailer coupling socket
9) Left rear light
10) Left rear light plug