

## Revolution counter-digital clock combination



Model 201.1

54.12

The revolution counter-digital clock combination can be installed instead of standard digital clock. In addition, also install TDC transmitter, diagnosis socket and auxiliary harness.

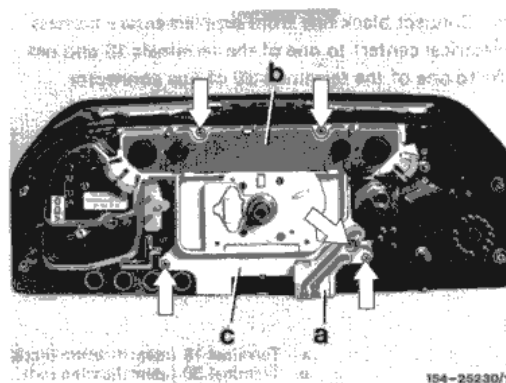
### Scope of work

- 1 Disconnect battery.
- 2 Remove floor mat.
- 3 Remove lefthand cover under instrument panel.
- 4 Remove cover of lefthand front wall pillar.
- 5 Remove instrument cluster.
- 6 Pull both adjusting knobs from instrument cluster.

7 Unscrew screws (arrow) and remove regulating resistor.

8 Unclip lamp carrier and set upright.

9 Remove speedometer.



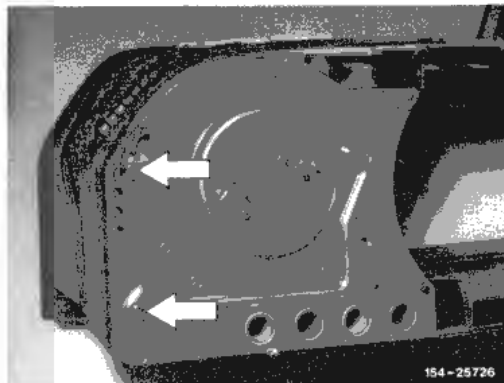
- a Regulating resistor
- b Lamp carrier
- c Speedometer



## 54.12

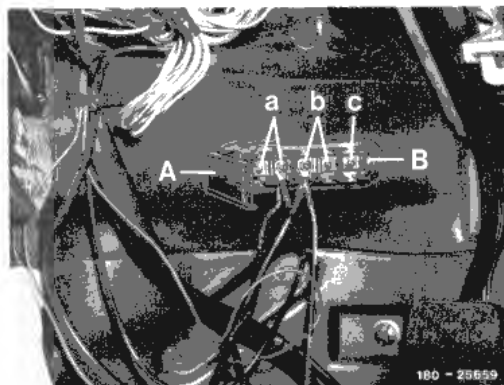
## Revolution counter-digital clock combination

- 10 Unscrew screws (arrow) and remove digital clock.
- 11 Install new revolution counter-digital clock combination instead of digital clock.
- 12 Complete instrument cluster as required.



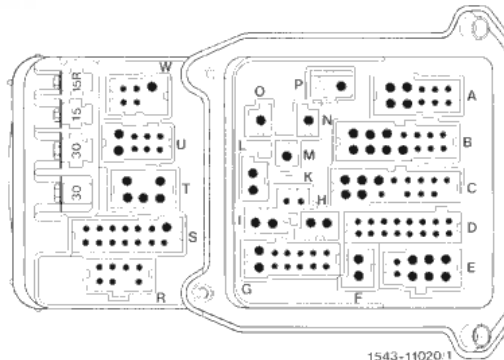
**Note:** On vehicles without line connector, perform item 13 to 15.

- 13 Screw on line connector on 1st version, cut out damper for this purpose and drill two holes of 3.5 mm dia. On 2nd version fasten available stud with spring nuts.



A Line connector  
B Screw B 4.2 x 16

- 14 Connect supplementary harness to electrical center code letter "L" and install toward line connector.



- 15 Connect black line from supplementary harness (electrical center) to one of the terminals 15 and red line to one of the terminals 30 of line connector.

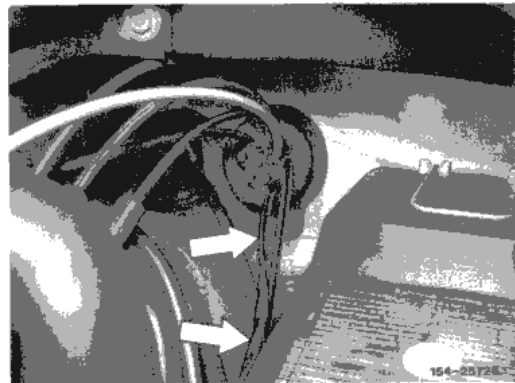


a Terminal 15 (identification black)  
b Terminal 30 (identification red)

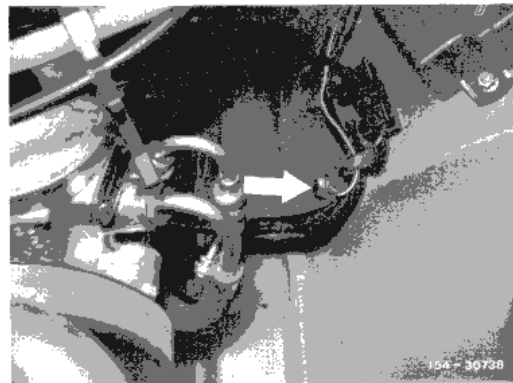
16 Install supplementary harness (revolution counter) from cutout of instrument cluster up to electrical center.

17 Install black line of supplementary harness toward line connector and connect to one of the terminals 15.

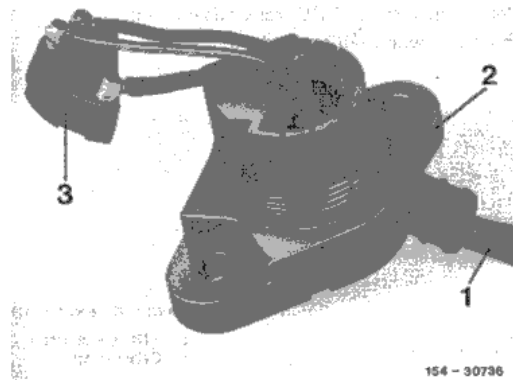
18 Pull remaining lines of supplementary harness through rubber grommet adjacent to electrical center into engine compartment. Then install along main harness up to studs for diagnosis socket.



19 Connect grounding line from supplementary harness at grounding point (arrow).



20 Pull supplementary harness into diagnosis socket.



- 1 Supplementary harness
- 2 Diagnosis socket
- 3 Plug socket element



21 Insert line of supplementary harness into plug socket element as follows:

Line	Layout point of socket element
green/yellow	3
black	6
brown	2

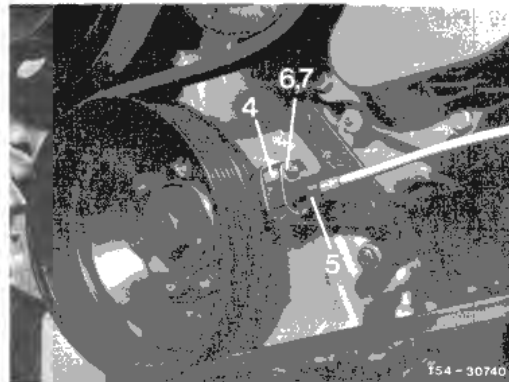
22 Assemble diagnosis socket.

23 Screw spacer on stud.

24 Mount TDC transmitter on holder.

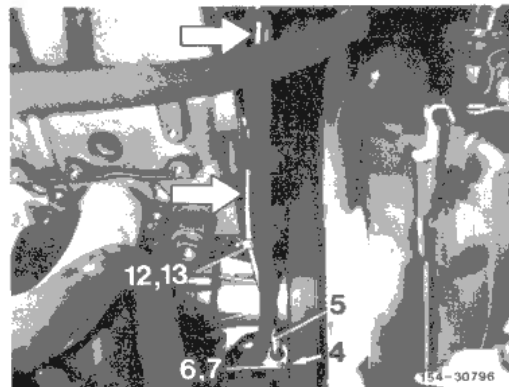
Layout on engine 601

- 4 Spacer
- 5 TDC transmitter
- 6 Spring washer A 5
- 7 Nut M 5



Layout on engine 602

- 4 Spacer
- 5 TDC transmitter
- 6 Spring washer A 5
- 7 Nut
- 12 Holder
- 13 Clip



25 Install line of TDC transmitter along engine harness toward lefthand wheel assembly.

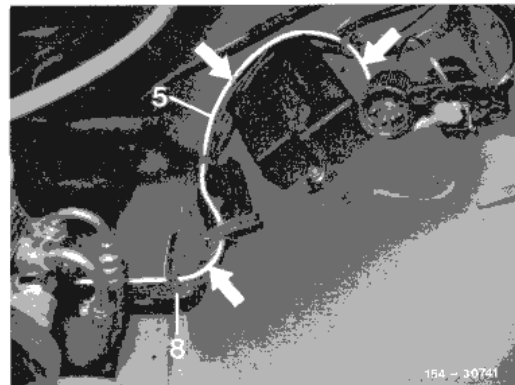
Layout on engine 601

- 5 TDC transmitter
- 8 Cable strap



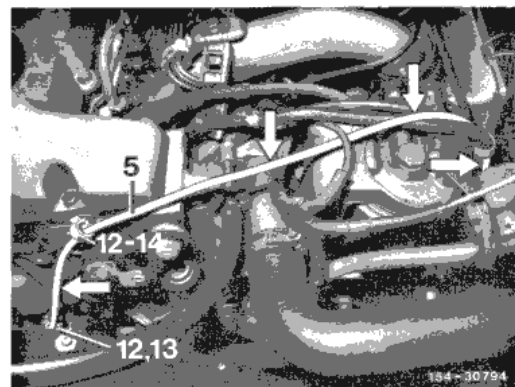
Layout on engine 601

- 5 Line from TDC transmitter
- 8 Cable strap



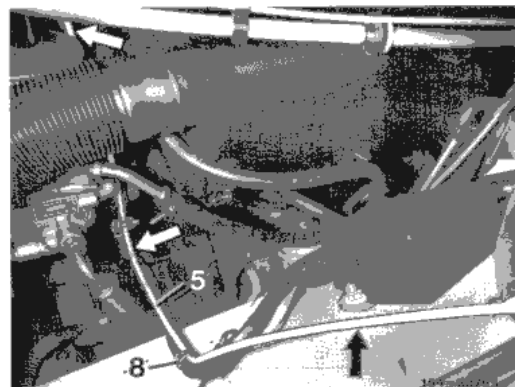
Layout on engine 602

- 5 TDC transmitter
- 12 Holder
- 13 Clip
- 14 Screw M 6 x 10



Layout on engine 602

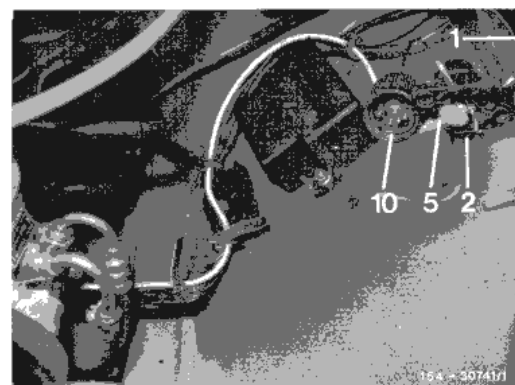
- 5 TDC transmitter
- 8 Cable strap



26 Push line of TDC transmitter into diagnosis socket.

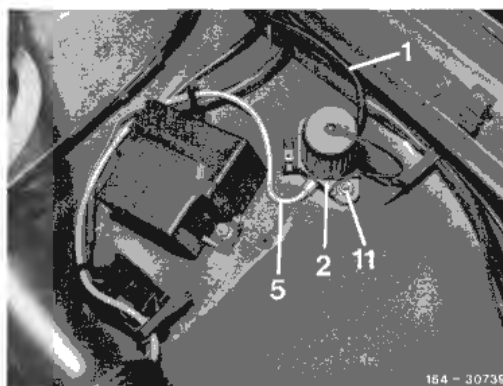
27 Mount holding strap of cover on diagnosis socket.

- 1 Supplementary harness
- 2 Diagnosis socket
- 5 Line of TDC transmitter
- 10 Cover with adapter

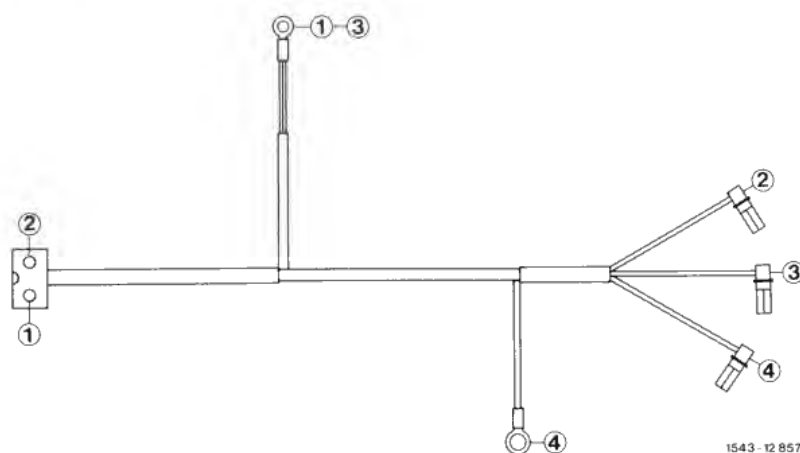


- 28 Screw diagnosis socket to holder.
- 29 Connect supplementary harness on instrument cluster and install instrument cluster.
- 30 Reinstall covers and insert floor mat.

- 1 Supplementary harness  
2 Diagnosis socket  
5 TDC transmitter  
11 Nut M 6



- 31 Connect battery.
- 32 Check revolution counter and digital clock for function.



**Color code supplementary harness revolution counter**

Line No.	Electric line from	to	Color code	Cross section mm <sup>2</sup>
1	2-pole connector	Line connector terminal 15	black	0.75
2	2-pole connector	Diagnosis socket layout point 3	green/yellow	0.75
3	Line connector terminal 15	Diagnosis socket layout point 6	black	1.5
4	Ground	Diagnosis socket layout point 2	brown	1.0



#### Color code supplementary harness electrical center-line connector

Line No.	Electric line from	to	Color code	Cross section mm <sup>2</sup>
1	Electrical center connection L	Line connector terminal 15	black	1.0
2	Electrical center connection L	Line connector terminal 30	red	1.0

#### The following parts are required for installation:

Scope of delivery revolution counter	Part No. 201 542 09 16
Harness for lefthand steering vehicles	Part No. 201 540 44 10
Harness for righthand steering vehicles	Part No. 201 540 45 10
Electrical supplementary parts, refer to	SA 11.294 <sup>1)</sup>

<sup>1)</sup> Parts are not required if SA 11.294 is named on vehicle data card.

Available from: Plant 50 (PEW Sindelfingen)

