



E30



Reparaturanleitung
Repair Manual



11-262

11 65 020 REMOVING AND INSTALLING TURBOCHARGER

The turbocharger receives oil from the engine oil circuit. The following points are important to guarantee sufficient lubrication for the hot running turbocharger.

- Engine oil circuit in perfect condition (specified engine oil, oil level, crankcase venting, etc.).
- Engine not raced before building up engine oil pressure (control lamp) - engine also not stopped at high speed (turbocharger keeps on running).
- Engine not started immediately after an oil change, but instead oil pressure built up first by cranking engine with the starter (fuel shutoff electric lead disconnected - see 11 00 039).
- Excessively old engine oil could cause carbonisation of the turbocharger. Carbonisation could be seen on the turbocharger shaft after removing the oil pipe. In this case the engine oil and oil filter have to be replaced.

Important When Working on Turbocharger:

Even the most minute particles of dirt could lead to destruction of the turbocharger - therefore never operate engine without the air filter.

- If the hose on the control valve is disconnected, this could lead to overcharging and destruction of the engine when operated in full load range.

The turbocharger may not be repaired.



- Remove air cleaner.
- Disconnect hoses (1 and 2).
- Unscrew nut (3) and remove air cleaner housing.



- Unscrew exhaust pipe on turbocharger.
- Disconnect hoses (1 and 2).
- Unscrew nuts (2).
- Installation:
Replace self-locking nuts.
Check gasket, replacing if necessary.
Coat studs with copper paste "CRC"^{**}.
Tightening torque*.



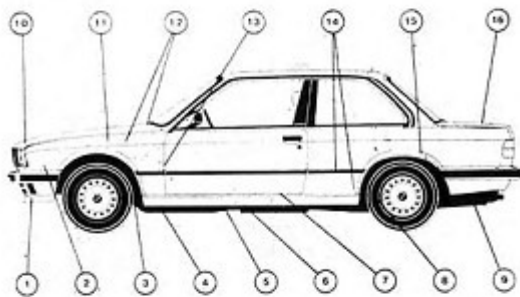
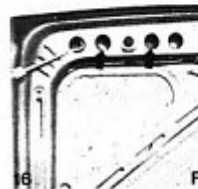
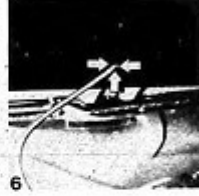
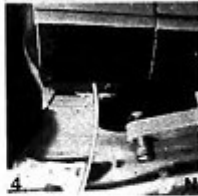
- Unscrew oil pipes (1 and 2).
- Installation:
Replace seals.
Tightening torque*.
- Check engine oil level, correcting if necessary.



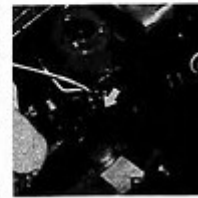
- Unscrew bolts and remove turbocharger.
- Installation:
Check levelness of seating surface.
Tightening torque*.

* See Specifications.

** Source of Supply: HWD

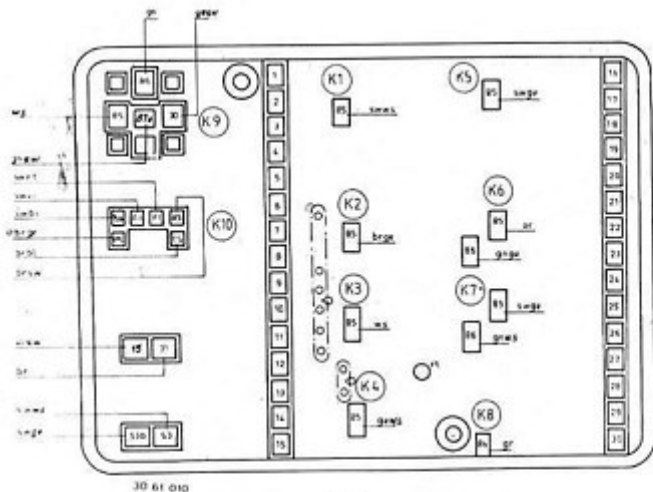


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FUSE / RELAY CONNECTIONS



Relays:

- K 1 Extra fan speed I
 K 2 Two-tone horns
 K 3 High beams
 K 4 Low beams, rear fog light
 K 5 Seat heating, sun roof, power windows
 K 6 Extra fan speed II
 K 7 Heater blower, rear window defogger,
 power mirrors
 K 8 Front fog lamps
 K 9 Rear fog light (F, CH)
 K 10 Intensive cleaning control unit

Fuse No. Wire Colors

Fuse No.	Wire Colors
1	wsvi
2	wslbl
3	swgn
4	vigr
5	visw
6	vign
7	vige
8	gnbl
9	gnge
10	gnws
11	gnvi
12	viws
13	gews
14	gobl
15	gesw
16	wslbr
17	wssw
18	wslbl
19	gnsw
20	gnbr
21	rtgn
22	grsw
23	grgn
24	rtws
25	—
26	—
27	rtsw
28	rtge
29	gebr
30	gevi

Color Codes:

bl	blue
br	brown
ge	yellow
gn	green
gr	gray
rt	red
sw	black
vi	violet
ws	white
tr	transparent