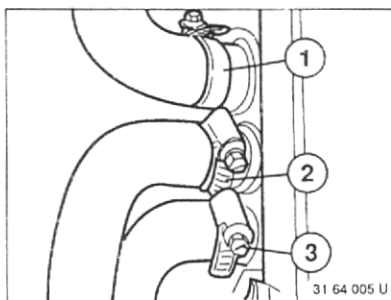


64 Heating and Air Conditioning

64 11 205	Heater (IHKA) – remove and install	64-11/1
207	Heater core – replace	64-11/3
210	Heater (blower) motor – remove and install	64-11/4
260	Additional water pump – replace	64-11/7
271	Water valve – remove and install (see 64 11 260)	64-11/7
355	Blower for inside sensor – remove and install	64-11/8
590	Final stage for heater blower – replace	64-11/9
750	Heater controls – remove and install and disassemble	64-11/10
755	Front panel – replace	64-11/11
63 99 ...	Light bulb for control panel – replace	64-11/11
64 11 765	Control unit for heater – replace	64-11/12

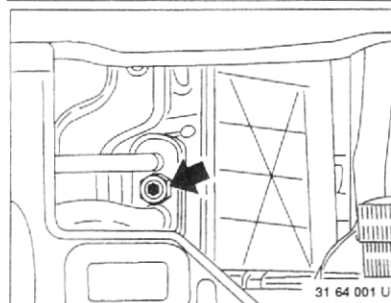
64 11 205 REMOVING AND INSTALLING HEATER (IHKA)

Draw refrigerant out of air conditioner
(see operating instructions of pertinent
equipment).
Remove complete dashboard – see
Group 51.
Remove complete wiper console – see
Group 61.



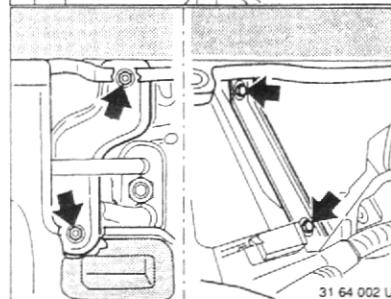
Loosen hose clamps on heater hoses
(1 ... 3) and pull off hoses.

Note:
Clean heater pipes with compressed
air carefully to prevent coolant in the
passenger compartment while remov-
ing the heater.



Unscrew nut.

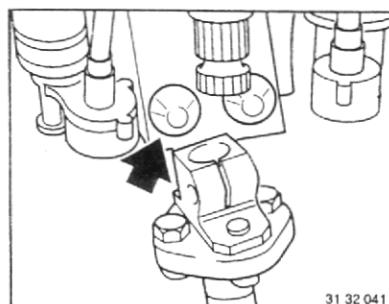
Installation:
Tightening torque*.
Replace O-rings.



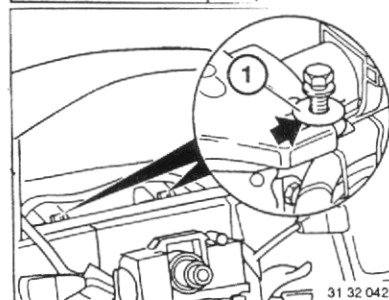
Unscrew left and right bolts.

Note:
Only the right bolts are shown in the
picture.

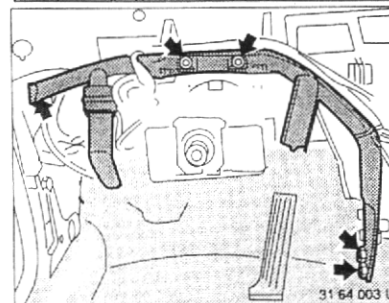
* See Specifications



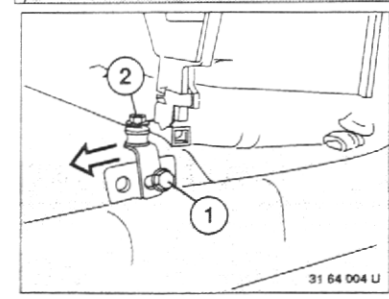
Remove shear-off screw from steering
column.



Unscrew screws and lower steering
column.

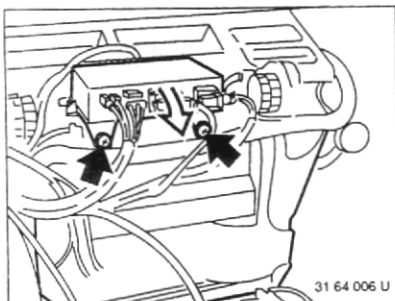


Unscrew screws and pull clamp for-
ward slightly.

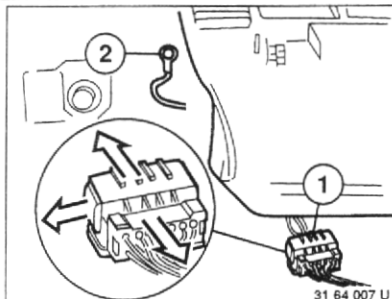


Unscrew screw (1) and nut (2) on left
and right sides and pull out brackets.

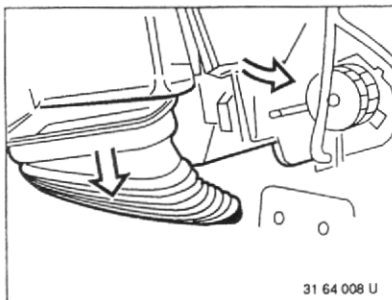
64 - 11/2



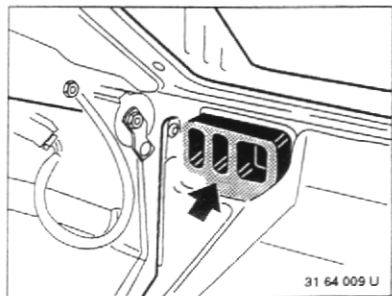
Unscrew screws and place control unit for electric steering column control aside.



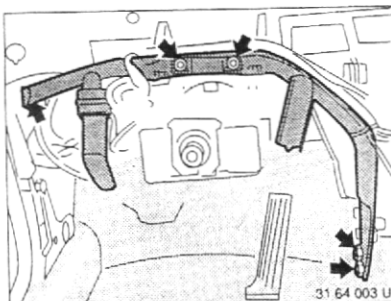
Disconnect plug (1).
Unscrew ground lead (2).



Lift out left and right air ducts.
Remove heater.

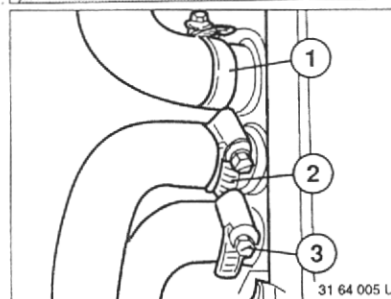


Installation:
Brush out pipe opening with tire mounting paste.



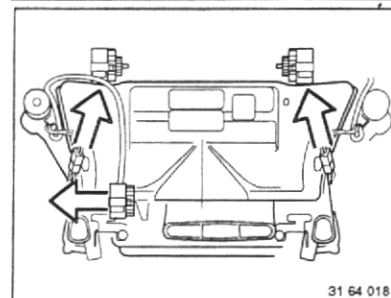
64 11 207 REPLACING HEATER CORE

Remove complete dashboard – see Group 51.

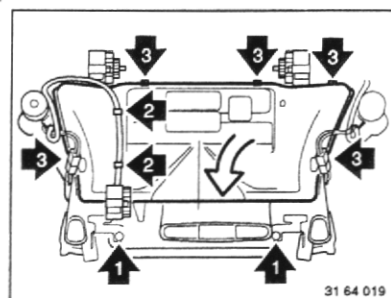


Loosen hose clamps on heater hoses (1 ... 3) and pull off hoses.

Note:
Blow through heater pipes with compressed air carefully to keep coolant out of the passenger compartment when removing the heater core.

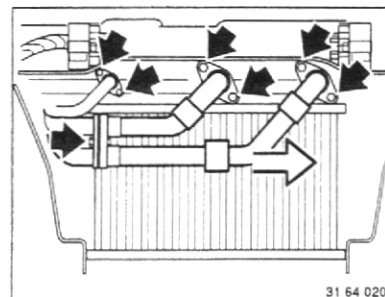


Pull off plugs on both inside temperature sensors.



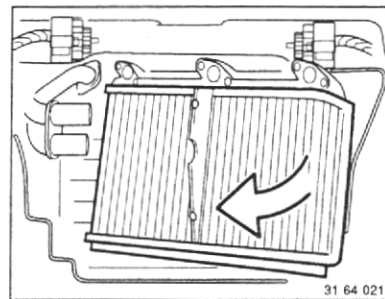
Unscrew screws (1).
Loosen cable strap (2) and retainers (3).
Take off cover.

Installation:
Check for correct seating of cover to prevent uncontrolled wind noise.



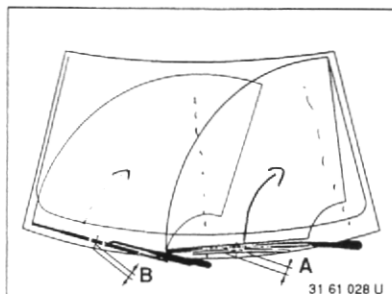
Loosen screws and take off heater pipes.

Installation:
Replace O-rings.



Lift out heater core from the right side.

64 - 11/4

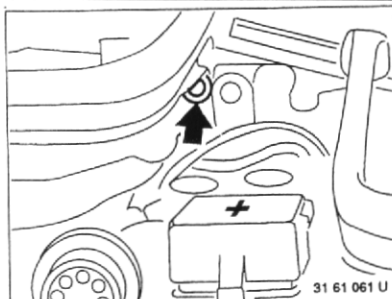
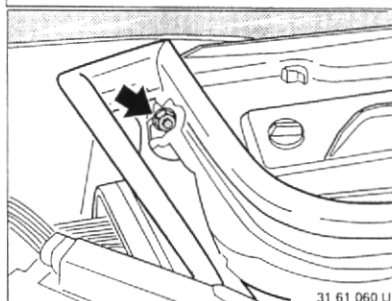


64 11 210 REMOVING AND INSTALLING MOTOR FOR HEATER (BLOWER)

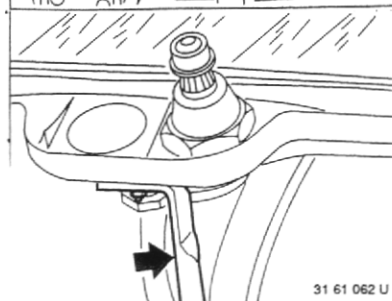
Run wipers to parked position.
Switch off from wiper speed 1.
Remove windshield wiper arms – see 61 61 100.

Important!

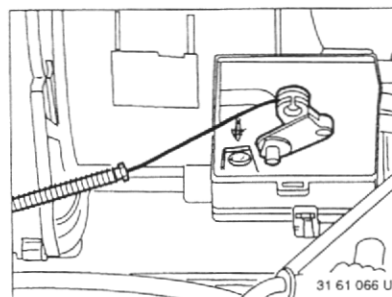
Set air volume control wheel to zero and switch ignition on and off before disconnecting the cable, in order to have the drive motor close the air flaps. Disconnect battery ground leads.



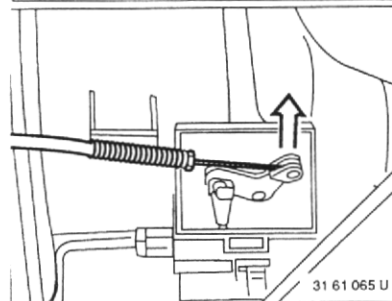
Unscrew screw.
Take off air box cover.



Unscrew screw.
Pull out air box from above.



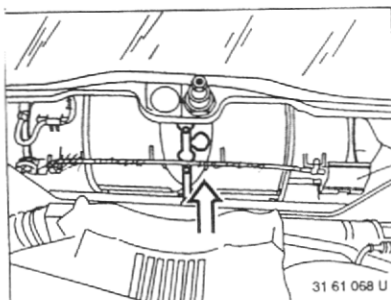
Remove prop.



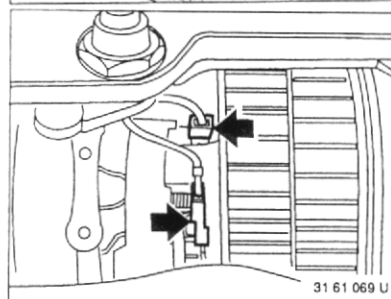
Disconnect cables fully.

Disconnect linkage.

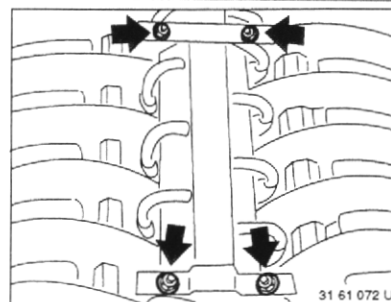
Disconnect cable.



Pull temperature sensor out of eyelet.

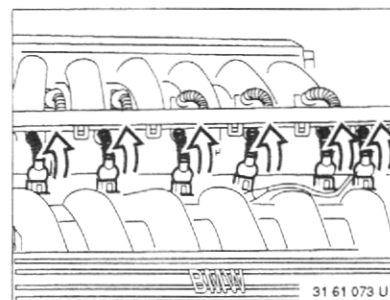


Take off retaining strap.

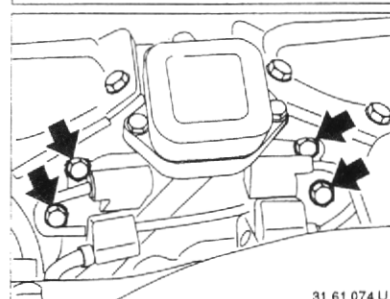


Remove cover.
Pull plug off of blower.
Remove cover on fuel injectors.

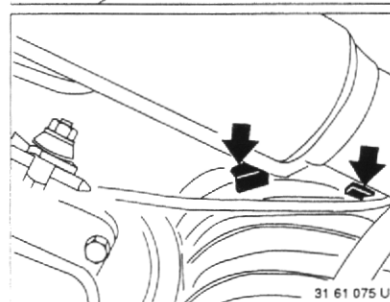
Unscrew electric lead duct of fuel injectors.
Unscrew screws.



Disconnect leads of fuel injection plate on right side.



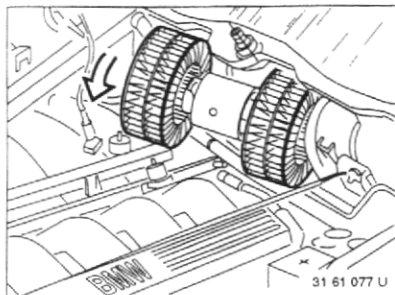
Unplug pulse and TDC senders.
Unscrew bracket.



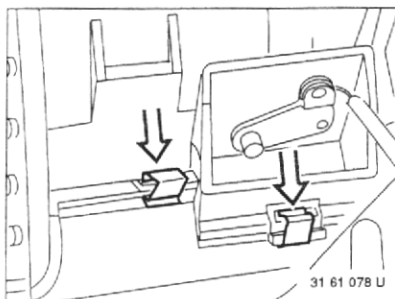
Unclip leads to the oxygen sensors in holders on bottom of the transmission bell housing.

Unclip leads on firewall.
Clips are located underneath electric lead duct of electronic box for fuel injectors.

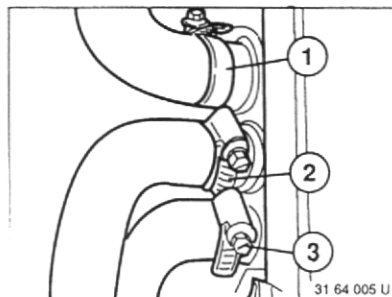
64 - 11/6



Tie electric lead duct of fuel injectors aside.



Remove blower.
Insert an approx. 2 mm (0.079") thick
mandrel in retaining strap of the
blower motor and pry out retaining
strap.



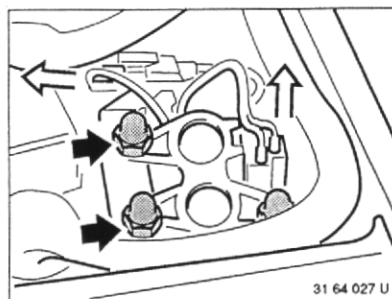
64 11 260 REPLACING ADDITIONAL WATER PUMP

Remove air box – see 64 11 210.
Loosen hose clamps on heater hoses (1 ... 3) and pull off hoses.

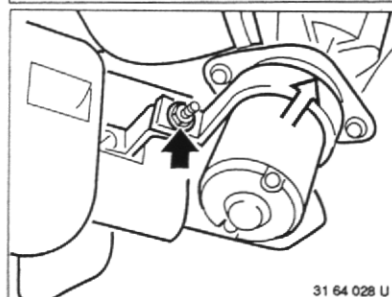
Disconnect feed hose on additional water pump.

64 11 271 REMOVING AND INSTALLING WATER VALVE

See 64 11 260.

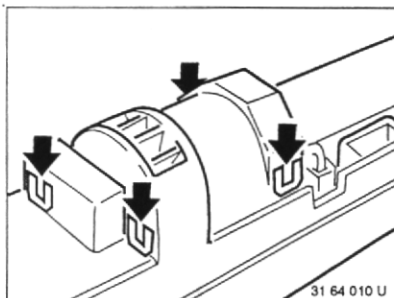


Pull off plug.
Unscrew screws and lift out water valve complete with pump.



Loosen clamp and unscrew screw.
Remove pump.

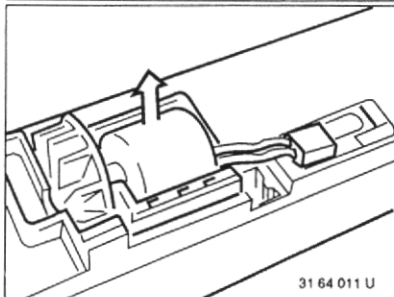
64 - 11/8



**64 11 355 REMOVING AND INSTALLING
INSIDE SENSOR BLOWER**

Remove heater controls – see
64 11 750.

For removal of the sensor blower lift re-
tainers on cover slightly and take off
the cover.

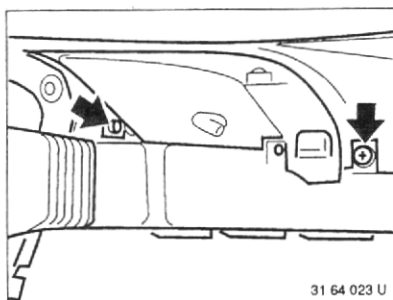


Pull off plug and take out sensor
blower.

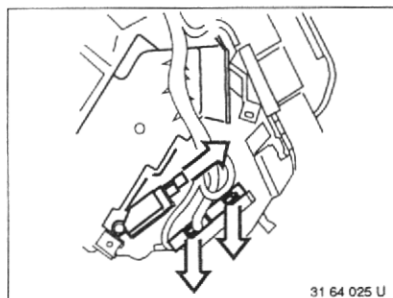
64 - 11/9

64 11 590 REPLACING FINAL STAGE
FOR HEATER BLOWER

First check final stage prior to replacing – see 64 10 010.

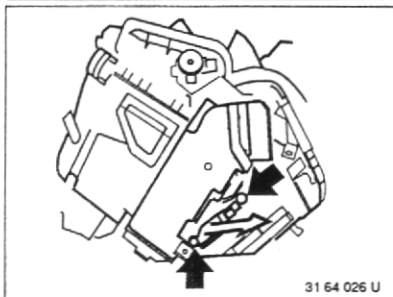


Unscrew screws and lift out air duct.



Pull wires off of control unit and final stage.

Note:
Heater remains installed and was only removed in picture for better illustration.



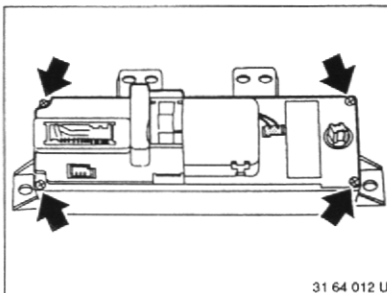
Unscrew screws and pull out final stage.

31 64 026

64 - 11/10

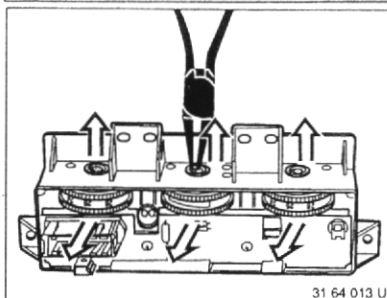
64 11 750 REMOVING AND INSTALLING
AND DISASSEMBLING
HEATER CONTROLS

Remove plate for center console – see
Group 51.
Unscrew control unit on center con-
sole.



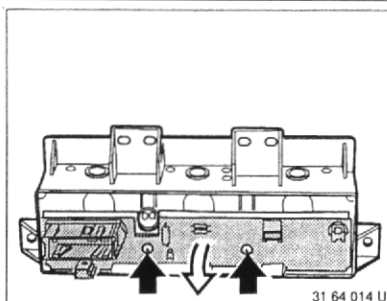
64 11 755 REPLACING FRONT PANEL

Remove heater controls – see 64 11 750.
Unscrew screws and take off cover.

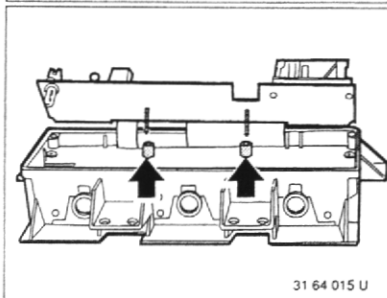


Push back retainers on pins and pull out pins and control wheels.
Pull off push button from front.

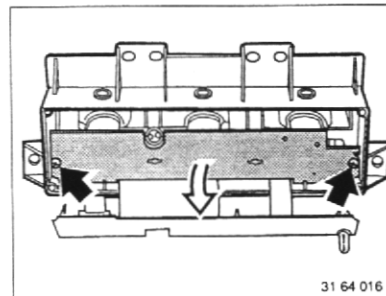
Installation:
Check for correct positioning of control wheels to potentiometers.



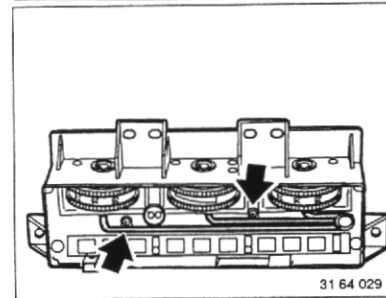
Unscrew screws and fold up upper printed circuit board section.



Don't forget the spacers when installing.

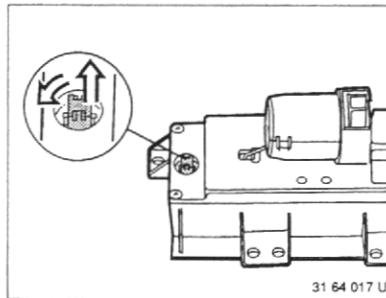


Unscrew screws and remove both printed circuit boards.



63 99 ... REPLACING LIGHT BULB FOR CONTROL PANEL

Remove plate for center console – see Group 51.

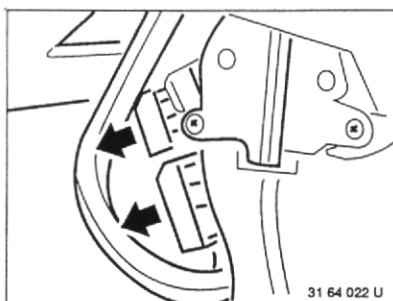


Twist and remove bulb holder.

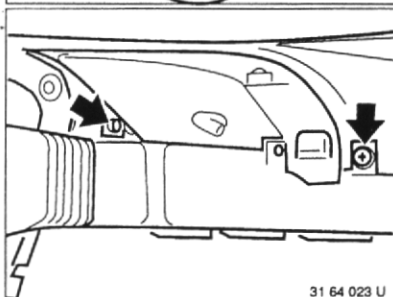
64 - 11/12

64 11 765 REPLACING CONTROL UNIT
FOR HEATER

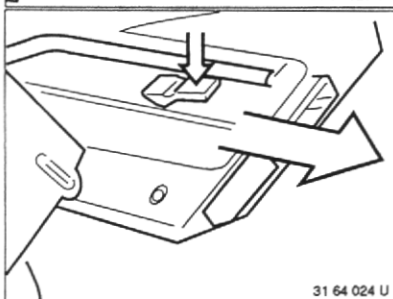
First check the control unit prior to re-
moval - see 64 10 010.



Pull off left and right plugs on control
unit.



Unscrew screws and lift out air duct.



Press down on retainer and pull out
control unit.