



Haynes
shows you how

BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual

2 Cooling system hoses and expansion tank – removal and installation

Cooling system hoses

Warning:

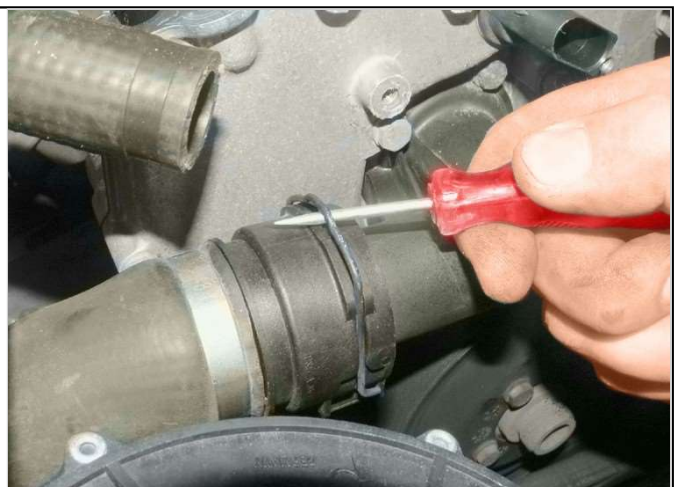
Refer to the Warnings given in Section 1 of this Chapter before proceeding.

1 If the checks described in [Chapter 1](#) reveal a faulty hose, it must be replaced as follows.

2 Drain the cooling system (see [Chapter 1](#)). If the coolant is not due for replacement, it may be re-used if it is collected in a clean container.

3 To disconnect a hose, pry up the wire retaining clip and pull the hose from its fitting (see illustrations) . Some hoses may be secured using traditional hose clamps. To disconnect these hoses, loosen the hose clamp adjusting screw, then move the clamp along the hose, until it is clear of the relevant inlet/outlet union. Carefully work the hose free. While the hoses can be removed with relative ease when new, or when hot, do not attempt to disconnect any part of the system while it is still hot. Some models have hoses retained by twist-on/twist-off clamps; rotate the clamps counterclockwise to remove them.

2.3a Pry up the wire locking clip



2.3b Pull the hose from the fitting



4 Note that the radiator inlet and outlet unions are fragile; do not use excessive force when attempting to remove the hoses. If a hose proves to be difficult to remove, try to release it by rotating the hose ends before attempting to free it. If all else fails, carefully use a sharp knife to slit the hose and peel it from the radiator fitting. Do not gouge the radiator fitting.

5 To install a hose, simply push the end over the fitting until the retaining clip engages and locks the hose in place. Pull the hose to make sure it's locked in place. When installing a hose with traditional hose clips, first slide the clips onto the hose, then work the hose into position. If the hose is stiff, use a little soapy water as a lubricant, or soften the hose by soaking it in hot water. Continue to work the hose into position, checking that it is correctly routed, then slide each clip along the hose until it passes over the flared end of the relevant inlet/outlet union, before securing it in position with the retaining clip.

6 Refill the cooling system (see [Chapter 1](#)).

7 Check thoroughly for leaks as soon as possible after disturbing any part of the cooling system.

Expansion tank

8 Remove the air intake duct (see [chapter 4](#)).

9 Disconnect the hoses to the expansion tank (see Step 5).

10 Remove the mounting bolts and pull the expansion tank back to unclip it from the bracket, then lift it up.

11 Disconnect the coolant level switch connector, then disconnect the remaining coolant hose and remove the tank.

12 Installation is the reverse of removal.

13 Refill the cooling system (see [Chapter 1](#)).