



**Haynes**  
shows you how

**BMW 3-Series (92-98) & Z3 (96-98) Haynes Online Manual**

## 2 Cooling system hoses - disconnection and replacement

### 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 renewed as follows.

2 First 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, release its retaining clamps, then move them along the hose, 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.

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, cut the hose with a sharp knife, then slit it so that it can be peeled off in two pieces. Although this may prove expensive if the hose is otherwise undamaged, it is preferable to buying a new radiator.

5 When fitting a hose, first slide the clamps onto the hose, then work the hose into position. If spring-type clamps were originally fitted, it is a good idea to replace them with screw type clamps when installing the hose. If the hose is stiff, use a little soapy water as a lubricant, or soften the hose by soaking it in hot water.

6 Work the hose into position, checking that it is correctly routed, then slide each clamp along the hose until it passes over the flared end of the relevant inlet/outlet union, before securing it in position with the retaining clamp.

7 Refill the cooling system with reference to [Chapter 1](#) .

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