

## **17 12 098 Replacing coolant hose from cylinder head (without draining/ refilling coolant system) 2 FRUs**

+ 17 12 758



### **Warning**

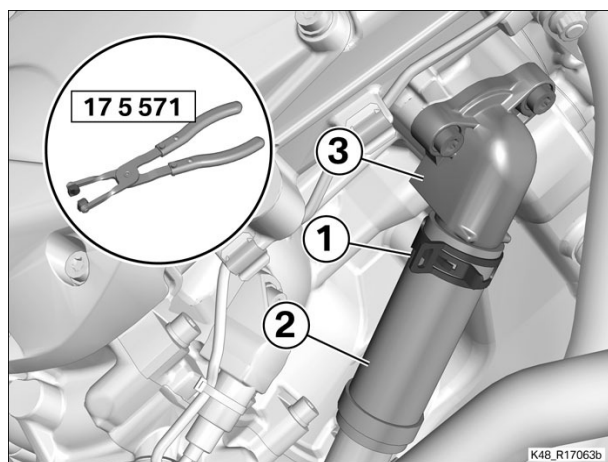
Take care when working on the cooling system: risk of burns if the system is hot.

Do not work on the cooling system until it has had ample time to cool down.

### **Core activity**

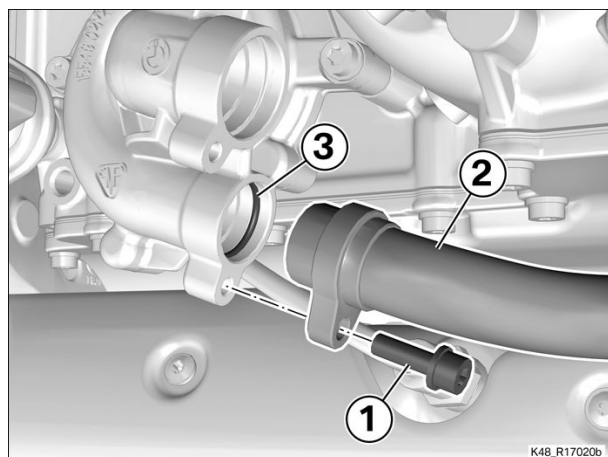
#### **(-) Removing coolant hose from cylinder head**

- Open clip (1) with pliers (No. 17 5 571).
- Disconnect coolant hose (2) from adapter (3).



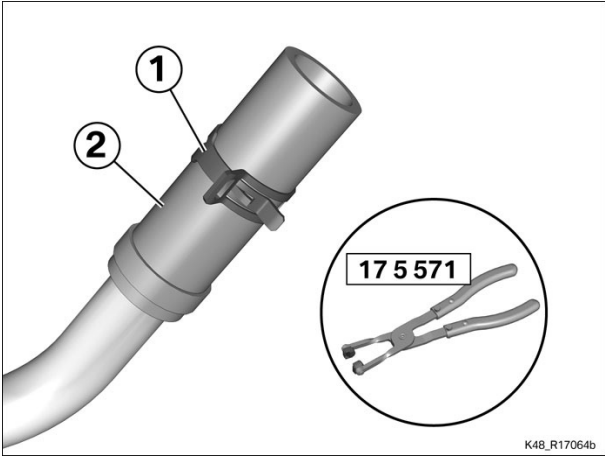
#### **(-) Disconnecting feed line for coolant**

- Remove screw (1).
- Disconnect feed line (2) for the coolant from the coolant pump, noting O-ring (3).



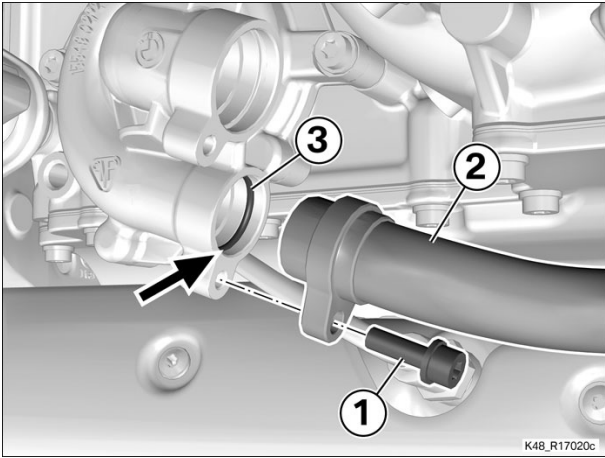
#### **(-) Replacing coolant hose from cylinder head**


- Transfer clip (1) with pliers (No. 17 5 571) to new coolant hose (2).



**(-) Connecting feed line for coolant**

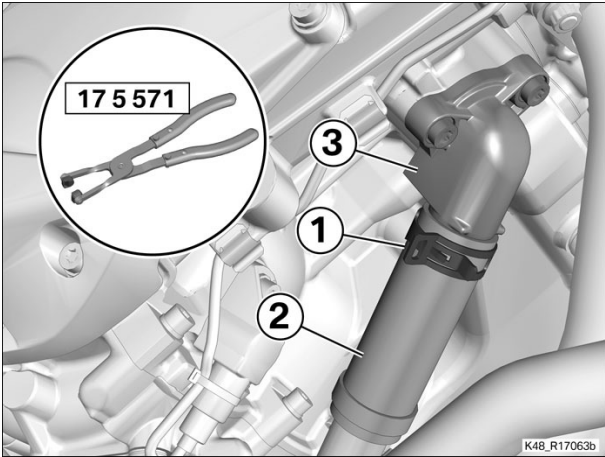
- Clean the tapped hole.
- Check O-ring (3) for damage; replace if not in perfect condition.
- Make sure that O-ring (3) is seated in the groove (arrow).
- Push feed line (2) for the coolant into the coolant pump.
- Install new screw (1).



 Tightening torques		
Coolant line to pump		
M6 x 20, Replace screw Micro-encapsulated	10 Nm	

**(-) Installing coolant hose from cylinder head**

- Connect coolant hose (2) to adapter (3).
- Secure clip (1) with pliers (No. 17 5 571).



**Finishing work**

**=> Draining coolant, refilling/bleeding system  
(Description in item: 17 00 504, Billed as a separate item)**

Final check of work performed

## 📁 17 12 100 Replacing coolant hose from radiator (without draining/ refilling coolant system) 2 FRUs

+ 17 12 600



### Warning

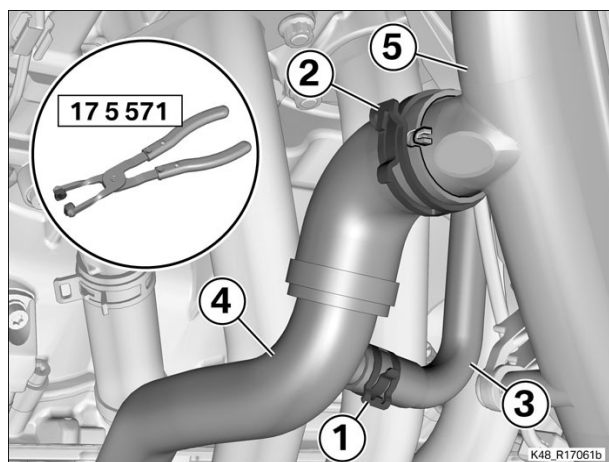
Take care when working on the cooling system: risk of burns if the system is hot.

Do not work on the cooling system until it has had ample time to cool down.

### Core activity

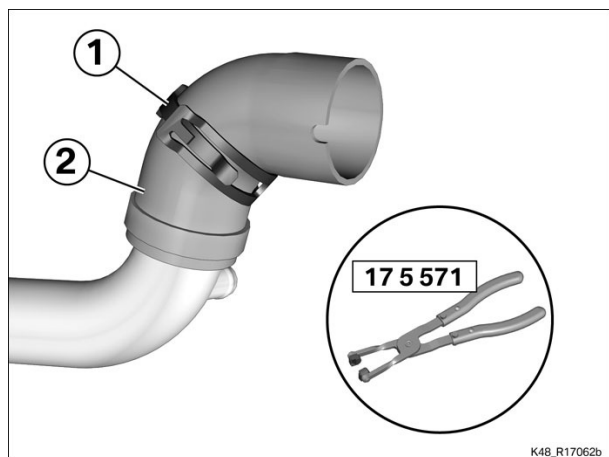
#### (-) Removing coolant hose from radiator

- Release clips (1) and (2) with pliers (No. 17 5 571).
- Disconnect bypass line (3).
- Disconnect coolant hose (4) from radiator (5).



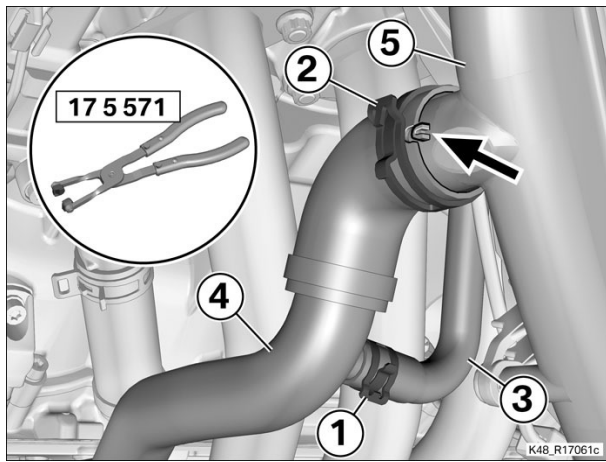
#### (-) Replacing coolant hose from radiator

- Transfer clip (1) with pliers (No. 17 5 571) to new coolant hose (2).



#### (-) Installing coolant hose from radiator

- Connect coolant hose (4) to radiator (5).
- » The lug (arrow) engages the recess of the hose.
- Connect bypass line (3).
- Secure clips (1) and (2) with pliers (No. 17 5 571).



### Finishing work

=> **Draining coolant, refilling/bleeding system**  
(Description in item: 17 00 504, Billed as a separate item)

Final check of work performed

## 📁 17 12 105 Replacing coolant hose to radiator (without draining/ refilling coolant system) 2 FRUs

+ 17 12 605



### Warning

Take care when working on the cooling system: risk of burns if the system is hot.

Do not work on the cooling system until it has had ample time to cool down.

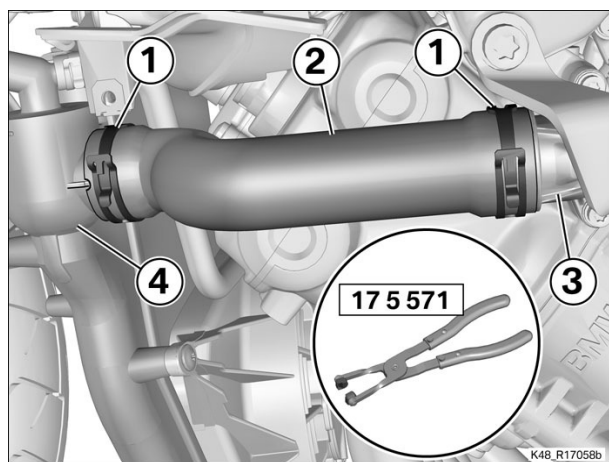
### Preparatory work

Removing radiator hose cover

### Core activity

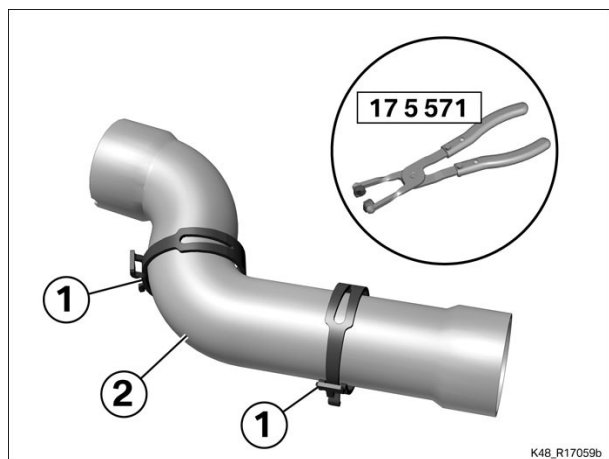
#### (-) Removing coolant hose to radiator

- Open clips (1) with pliers (No. 17 5 571).
- Disconnect coolant hose (2) from adapter (3) and radiator (4).



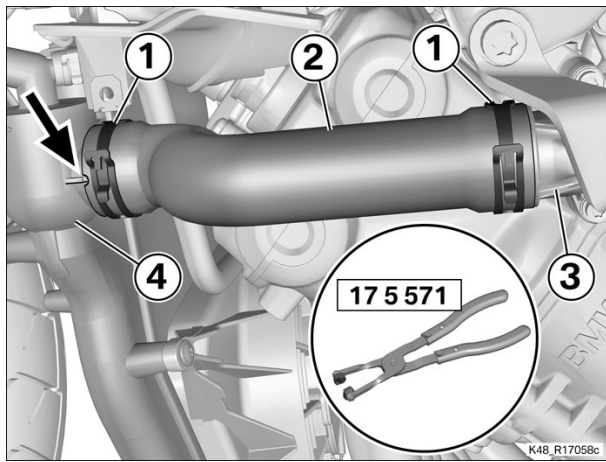
#### (-) Replacing coolant hose to radiator

- Transfer clips (1) with pliers (No. 17 5 571) to new coolant hose (2).



#### (-) Installing coolant hose to radiator

- Connect coolant hose (2) to adapter (3) and radiator (4).
- » The lug (arrow) engages the recess of the hose.
- Close clips (1) with pliers (No. 17 5 571).



### Finishing work

Installing radiator hose cover

**=> Draining coolant, refilling/bleeding system  
(Description in item: 17 00 504, Billed as a separate  
item)**

Final check of work performed

## 17 12 200 Replacing coolant hose from expansion tank 4 FRUs

+ 17 12 755



### Warning

Take care when working on the cooling system: risk of burns if the system is hot.

Do not work on the cooling system until it has had ample time to cool down.

### Preparatory work

Removing right bottom side panel

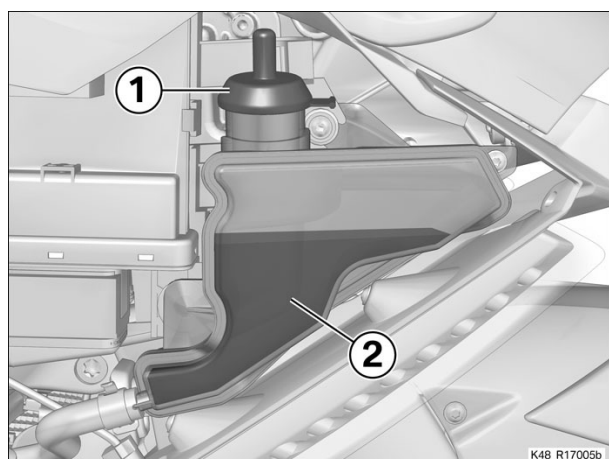
Removing right radiator cowl

Remove the right side panel

### Core activity

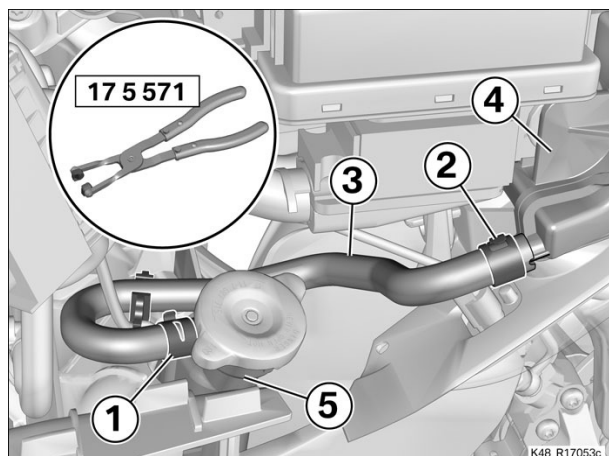
#### (-) Drawing off coolant from expansion tank

- Remove cap (1) and draw off coolant (2) with a suitable tool, such as a large syringe, for example.



#### (-) Removing coolant hose for expansion tank

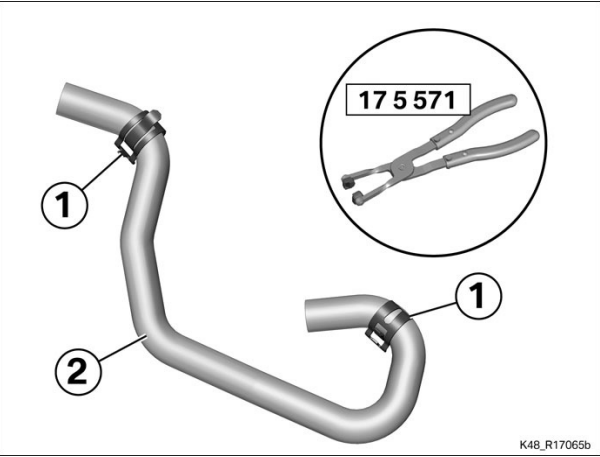
- Release clips (1) and (2) with pliers (No. 17 5 571).
- Disconnect hose (3) from expansion tank (4) and use suitable means to catch the remaining coolant as it escapes.
- Disconnect hose (3) from filler neck (5).
- Remove hose (3).



#### (-) Replacing coolant hose for expansion tank

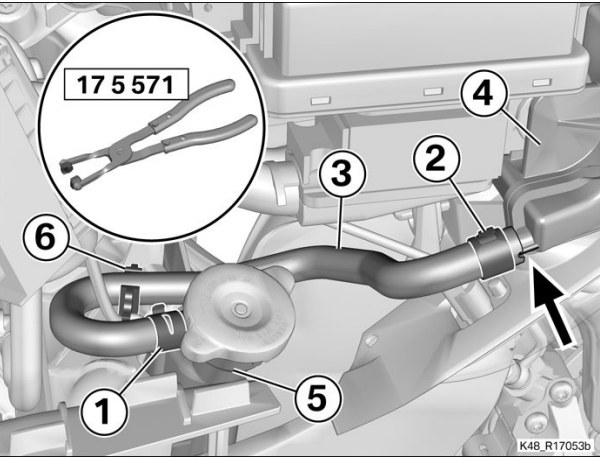
- Transfer clips (1) with pliers (No. 17 5 571) to new coolant hose (2).





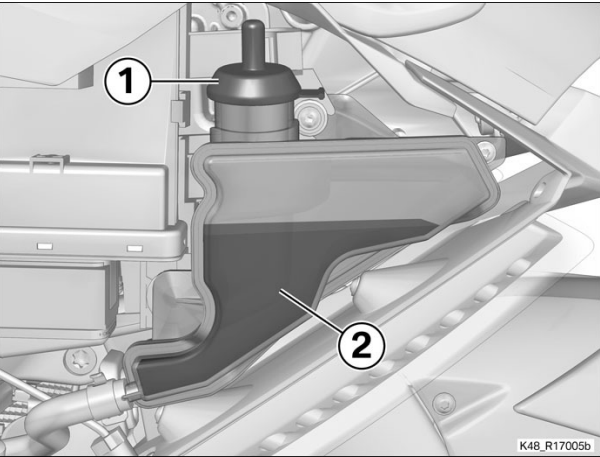
**(-) Installing coolant hose for expansion tank**


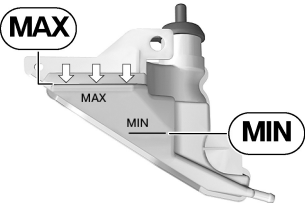
- Connect hose (3) to expansion tank (4).
- » The lug (arrow) engages the recess of the hose.
- Connect hose (3) to filler neck (5).
- Secure hose (3) in holder (6).
- Secure clips (1) and (2) with pliers (No. 17 5 571).



**(-) Filling expansion tank**

- Pour in coolant (2).



 <b>Technical data</b>			
Coolant, specified level	engine cold	between MIN and MAX marks on the expansion tank	
			

- Install cap (1).

**Finishing work**

- Install the right side panel
- Install the right radiator cowl
- Installing right bottom side panel
- Final check of work performed