

TO: Mercedes-Benz Dealers, General Managers, Sales Managers, Service Managers, Parts Managers	FROM: Anthony Washington, Department Manager, Regulations and Certifications
Re: Service Campaign Notification Model: Metris Model Year 2021 Inspect Clamps on Heating Circuit Hose Lines	DATE: October, 2022

IMPORTANT SERVICE CAMPAIGN INFORMATION



Mercedes-Benz



Campaign No. :	Campaign Desc. :	Inspect Clamps on Heating Circuit Hose Lines
2022090008	VS2KU50SCH	
<p>This is to notify you of the upcoming Service Campaign to inspect the clamps on the heating circuit hose lines on approximately 6 MY 2021 Mercedes-Benz Metris vans. All affected VINs will be flagged as "OPEN" in VMI.</p>		
Background		
Issue	MBAG has found that incorrect clamps may have been installed in the coolant circuit on certain vehicles. As a result, this may lead to leaks in the coolant circuit and loss of coolant.	
What We're Doing	MBUSA is conducting a Service Campaign. An authorized Metris dealer will inspect the clamps on the heating circuit hose lines on the affected vehicles, and replace if necessary.	
Parts	Replacement clamps are available.	
Vehicles Affected		
Vehicle Model Year(s)	2021	
Vehicle Model	Metris	
Vehicle Populations		
Total Vehicles	6	
Dealer Inventory	0	
Next Steps/Notes		
AOMS/SOMS	Please ensure your dealers have read and understand this notice	
<p>While we regret any inconvenience this may cause, MBUSA is determined to maintain a high level of vehicle quality and customer satisfaction.</p>		



Service Campaign Bulletin

Campaign No. 2022090008 October, 2022

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Model 447 Metris Model Year 2021 Inspect
Clamps on Heating Circuit Hose Lines**

MBAG has found that incorrect clamps may have been installed in the coolant circuit on certain vehicles. As a result, this may lead to leaks in the coolant circuit and loss of coolant.

An authorized Metris dealer will inspect the clamps on the heating circuit hose lines on the affected vehicles, and replace if necessary.

Prior to performing this Service Campaign:

- Please check VMI to determine if the vehicle is involved in the Campaign and if it has been previously repaired.
- Please review the entire Service Campaign bulletin and follow the repair procedure exactly as described.

Approximately 6 Metris vehicles are affected.

Order No. V-SC-2022090008 This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

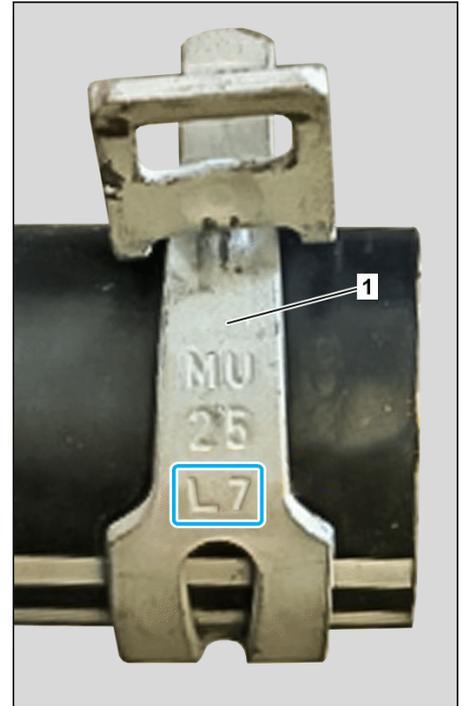
Model 447.### ## as of 903381 up to 916616

Operation no. of the operation texts or standard texts and flat rates

Category	Op. no.	Operation text	Time	Damage Code	Code
P	02 0072	Operations: Check clamps for heating circuit hose lines	0.6 hrs	50 920 20	VS2KU50SC H
P	02 0073	Operations: Extra work for: Check clamps for heating circuit hose lines on veh. with code ZK7 and H13/HZ7	0.1 hr	50 920 20	VS2KU50SC H
P	02 0074	Operations: Extra work for: Check clamps for heating circuit hose lines on veh. with code V23 and H13/HZ7	0.6 hrs	50 920 20	VS2KU50SC H
P	02 0075	Operations: Remove air filter housing and drain coolant (after check)	1.2 hrs	50 920 20	VS2KU50SC H
P	02 0076	Operations: Replace heating circuit hose lines in engine compartment at firewall (after check)	0.5 hrs	50 920 20	VS2KU50SC H
P	02 0077	Operations: Replace a heating circuit hose line in engine compartment on left wheel well (after check)	0.4 hrs	50 920 20	VS2KU50SC H
P	02 0105	Operations: Replace each remaining heating circuit hose line in engine compartment on left wheel well (1 hose line replaced)	0.3 hrs	50 920 20	VS2KU50SC H
P	02 0078	Operations: Replace heating circuit hose lines in left rear end (after check)	0.3 hrs	50 920 20	VS2KU50SC H
P	02 0080	Operations: Extra work for: Replace heating circuit hose lines in left rear end on veh. with code ZK7	3.5 hrs	50 920 20	VS2KU50SC H

Shown here is a faulty clamp (1)

1 Clip



S83.20-A004-73

Model 447 with code ZK7 (MARCO POLO equipment line)

1 Clamps

X58/23 230 V feed socket



S83.20-A035-76

 Danger	Risk of death when working on component parts and systems with U >= 30 V alternating voltage (AC) or U >= 60 V direct voltage (DC)	Do not touch damaged or defective live component parts and lines or non-insulated electrical connections and lines.	AS00.00-Z-0035-01A
 Warning	Risk of injury to skin and eyes suffering scalding from contact with hot coolant spray. Risk of poisoning from swallowing coolant.	Do not open cooling system unless coolant temperature is below 90 °C. Open cap slowly and release the overpressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
 Caution	Risk of injury caused by scraping or cutting body parts on sharp vehicle parts	Always wear protective gloves when working on or near sharp and non-deburred vehicle parts. Deburr repair panels.	AS00.00-Z-0017-01A
Notice	General information on vehicles with high-voltage on-board electrical system and/or lithium-ion battery and/or gaseous-fuel drive system as well as personal protective equipment		AH00.00-Z-0300-01A
Notice	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
Notice	Notes on carrying out repair work in the vehicle interior		AH68.00-D-0001-01KOS
Notice	Notes on coolant		AH20.00-P-2080-01KOA
Notice	Notes on battery		AH54.10-P-0001-01A
	Notes on coolant level	Typ 447 mit Motor 274, 622, 651, 654.9	AH20.00-P-1142-01CW
	Notes on coolant level for high-voltage battery cooling system	Typ 447 mit Motor 780.701/702	AH08.50-S-0051-01F
	Check		
1	Check if vehicle is affected by measure.	Affected vehicles: Check clamps of heating circuit hose lines (code: VS2KU50SCH)	SM83.20-S-0008-01AAA

2.1	Remove rear left side trim in rear passenger compartment.	Model 447.7 with code V23 (Trim, superior version) and with code H13 (Rear additional heat exchanger) or HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment) or model 447.8 except code ZK7 (MARCO POLO equipment line) and with code H13 (Rear additional heat exchanger) or HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment)	AR68.30-S-1206E
2.2	Partially remove 230 V feed socket (X58/23).	<p>Model 447.8 with code ZK7 (MARCO POLO equipment line) and with code H13 (Rear additional heat exchanger) or model 447.8 with code ZK7 (MARCO POLO equipment line) and with code HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment)</p> <p>i Do not disconnect electrical connectors of 230 V feed socket (X58/23). Only remove the four screws of the mount and pull out the 230 V feed socket (X58/23) until the clamps (1) of the heating circuit hose lines are visible in the rear area.</p> <p>The test is performed through the body cutout for the 230 V feed socket (X58/23).</p>	AR88.60-S-0002E

3.1	Check clamps (1) in rear area.	<p>Model 447 with code H13 (Rear additional heat exchanger) except code ZK7 (MARCO POLO equipment line) or model 447 with code HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment) except code ZK7 (MARCO POLO equipment line)</p> <p> If at least one clamp (1) has the identifier "L7", the entire affected component part must be replaced.</p> <p>Otherwise, leak tightness of the heating circuit is not guaranteed.</p>	Page 14
<p>3.2</p> <p> WS</p>	<p>Check clamps (1) in rear area.</p> <p>000 588 01 21 00 Endoscope</p>	<p>Model 447 with code H13 (Rear additional heat exchanger) with code ZK7 (MARCO POLO equipment line) or model 447 with code HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment) with code ZK7 (MARCO POLO equipment line)</p> <p> If at least one clamp (1) has the identifier "L7", the entire affected component part must be replaced.</p> <p>Otherwise, leak tightness of the heating circuit is not guaranteed.</p> <p> Use a suitable endoscope camera to check the clamps (1).</p> <p>The test is performed through the body cutout for the 230 V feed socket (X58/23).</p>	<p>Page 17</p> <p>WS01.00-P-0097B</p>

			Page 20
4  WS	Check clamps (1) in engine compartment. 000 588 01 21 00 Endoscope	 <p>If at least one clamp (1) has the identifier "L7", the entire affected component part must be replaced.</p> <p>Otherwise, leak tightness of the heating circuit is not guaranteed.</p>  <p>Use a suitable endoscope camera to check the clamps (1).</p> <p>If at least one clamp (1) has the identifier "L7" both in this operation step and in the previous one,</p> <p style="text-align: center;">↓</p> <p>replace affected component part; to do so, continue with operation step 5.</p> <p>If no clamp (1) has the identifier "L7" in this operation step as well as in the previous one,</p> <p style="text-align: center;">↓</p> <p>continue with operation step 23.</p>	WS01.00-P-0097B
	Remove		
5  AR  AR  AR  AR  AR	Drain off coolant.	<p>Only if at least one clamp (1) has the identifier "L7".</p> <p>Model 447 with engine 780.701</p> <p>Model 447 with engine 780.702</p> <p>Model 447 with engine 274, 622.9, 651</p> <p>Model 447 with engine 622.8</p> <p>Model 447 with engine 654.9</p>	AR08.50-S-0021F AR08.50-S-0022G AR20.00-S-1140E AR20.00-S-1142EH AR20.00-S-1142E
6  AR  AR	Remove voltage of high-voltage on-board electrical system.	<p>Model 447 with engine 780.701/702</p> <p>Only if at least one clamp (1) in the engine compartment has the identifier "L7".</p> <p>Model 447 with engine 780.701</p> <p>Model 447 with engine 780.702</p>	AR47.70-S-1000F AR47.70-S-1000G

<p>7</p> <p> AR</p>	<p>Partially remove brake fluid reservoir.</p>	<p>Model 447 with engine 274, 622, 651, 654.9 Only if at least one clamp (1) in the engine compartment has the identifier "L7".</p> <p> Disconnect electrical connector from fill level sensor. Remove brake fluid reservoir from air/water duct and swivel out of working area. Do not remove brake fluid lines.</p>	<p>AR42.10-S-0301E</p>
<p>8</p> <p> AR</p> <p> AR</p> <p> AR</p>	<p>Partially remove coolant expansion reservoir.</p>	<p>Model 447 with engine 622, 651, 654.9, 780.702 Only if at least one clamp (1) in the engine compartment has the identifier "L7".</p> <p>MODEL 447 with ENGINE 622, 651 Model 447 with engine 654.9 Model 447 with engine 780.702</p> <p> Partially remove coolant expansion reservoir. To do so, unscrew screws, remove bleed line, and swivel coolant expansion reservoir out of working area.</p> <p>Do not remove coolant hose from coolant expansion reservoir.</p>	<p>AR20.30-S-4950E</p> <p>AR20.30-S-4949EA</p> <p>AR08.50-S-0001F</p>

<p>9</p> <p>AR</p> <p>AR</p> <p>AR</p> <p>AR</p>	<p>Remove air filter housing.</p>	<p>Model 447 with engine 274, 622, 651, 654.9 Only if at least one clamp (1) in the engine compartment has the identifier "L7". If at least one clamp (1) at the firewall in the engine compartment has the identifier "L7", ↓ Remove air filter housing.</p> <p>Model 447 with engine 651</p> <p>MODEL 447 with engine 274 If at least one clamp (1) in the engine compartment at the firewall and/or at the left wheel arch has the identifier "L7", ↓ Remove air filter housing.</p> <p>Model 447 with engine 654.9</p> <p>MODEL 447 with engine 622</p>	<p>AR09.10-S-1150E</p> <p>AR09.10-S-1150EG</p> <p>AR09.10-S-1150EA</p> <p>AR09.10-S-1150EF</p>
<p>10</p> <p>AR</p>	<p>Remove the fuel injection system control unit.</p>	<p>MODEL 447 with engine 274 Only if at least one clamp (1) at the firewall in the engine compartment has the identifier "L7".</p>	<p>AR07.08-S-7008EG</p>
<p>11</p> <p>AR</p>	<p>Remove air/water duct.</p>	<p>Model 447 with engine 651, 780.702 Only if at least one clamp (1) at the firewall in the engine compartment has the identifier "L7".</p>	<p>AR83.25-S-1410E</p>
<p>12</p> <p>AR</p>	<p>Remove charge air cooler.</p>	<p>Model 447 with engine 654.9 Only if at least one clamp (1) at the firewall in the engine compartment has the identifier "L7".</p>	<p>AR09.41-S-6817EA</p>

	Replace		
13	Replace affected coolant hoses including coolant lines or molded hoses in engine compartment.	<p>Only if at least one clamp (1) at the firewall and/or wheel arch in the engine compartment has the identifier "L7".</p> <p> If at least one clamp (1) has the identifier "L7", the entire affected component part must be replaced.</p> <p>Otherwise, leak tightness of the heating circuit is not guaranteed.</p> <p> Create pictures of affected clamps (1) with identifier "L7" in affected areas and file in a tamperproof manner with repair order.</p> <p> Dispose of removed component parts that are no longer required properly.</p> <p>To do so, observe the applicable legal requirements and specifications of the relevant country.</p>	

14	<p>Replace affected coolant hoses including coolant lines in rear area.</p> <p>Remove/install rear hoses for feed and return to coolant pipes and to heat exchanger of heater in rear passenger compartment</p> <p>Remove/install coolant lines of heating system to inner wheel well for heater in rear passenger compartment</p>	<p>Model 447.7/8 with code H13 (Rear additional heat exchanger) or model 447.7/8 with code HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment) Only if at least one clamp (1) has the identifier "L7" in the rear area.</p> <p> If at least one clamp (1) has the identifier "L7", the entire affected component part must be replaced.</p> <p>Otherwise, leak tightness of the heating circuit is not guaranteed.</p> <p> Create pictures of affected clamps (1) with identifier "L7" in affected areas and file in a tamperproof manner with repair order.</p> <p> Dispose of removed component parts that are no longer required properly.</p> <p>To do so, observe the applicable legal requirements and specifications of the relevant country.</p>	<p>AR83.60-S-0011E</p> <p>AR83.60-S-0015E</p>
	Install		
15	Install charge air cooler.	Model 447 with engine 654.9 Only if previously removed.	AR09.41-S-6817EA
16	Install air/water duct.	Model 447 with engine 651, 780.702 Only if previously removed.	AR83.25-S-1410E
17	Install fuel injection system control unit.	MODEL 447 with engine 274 Only if previously removed.	AR07.08-S-7008EG

18	Install air filter housing.	Model 447 with engine 274, 622, 651, 654.9 Only if previously removed. MODEL 447 with engine 274 MODEL 447 with engine 622 Model 447 with engine 651 Model 447 with engine 654.9	AR09.10-S-1150EG AR09.10-S-1150EF AR09.10-S-1150E AR09.10-S-1150EA
19	Install the coolant expansion reservoir.	Model 447 with engine 622, 651, 654.9, 780.702 Only if previously removed. MODEL 447 with ENGINE 622, 651 Model 447 with engine 654.9 Model 447 with engine 780.702  Attach bleed line to coolant expansion reservoir. Attach coolant expansion reservoir to holder and screw in screws.	AR20.30-S-4950E AR20.30-S-4949EA AR08.50-S-0001F
20	Attach brake fluid reservoir.	Model 447 with engine 274, 622, 651, 654.9 Only if previously removed.  Attach brake fluid reservoir to air/water duct. Reconnect electrical connector of fill level sensor.	AR42.10-S-0301E
21	Put the high-voltage on-board electrical system into operation.	Model 447 with engine 780.701/702 Only if voltage previously removed. Model 447 with engine 780.701 Model 447 with engine 780.702	AR47.70-S-1000F AR47.70-S-1000G
22	Fill in coolant.	Only if previously drained. Model 447 with engine 780.701 Model 447 with engine 780.702 Model 447 with engine 274, 622.9, 651 Model 447 with engine 622.8 Model 447 with engine 654.9	AR08.50-S-0021F AR08.50-S-0022G AR20.00-S-1140E AR20.00-S-1142EH AR20.00-S-1142E
23.1	Attach 230 V (X58/23) feed socket.	Model 447.8 with code ZK7 (MARCO POLO equipment line) and with code H13 (Rear additional heat exchanger) or model 447.8 with code ZK7 (MARCO POLO equipment line) and with code HZ7 (Semi-automatically controlled air conditioning system, TEMPMATIC in rear passenger compartment)	AR88.60-S-0002E

23.2	Install rear left side trim in rear passenger compartment.	Model 447.7 with code V23 (Trim, superior version) and with code H13 (Rear additional heat exchanger) or HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment) or model 447.8 except code ZK7 (MARCO POLO equipment line) with code H13 (Rear additional heat exchanger) and code HZ7 (Semi-automatically controlled air conditioning system, TEMPOMATIC in rear passenger compartment)	AR68.30-S-1206E
	Check		
24	Perform function test of heating.	Only if at least one affected component part in the heating circuit was replaced.  See owner's manual.	

Parts ordering note

Part no.	Designation	Quantity
A 447 830 07 00	Piping (on firewall in engine compartment) on model 447 with code H12	n. B.
A 447 830 08 00	Piping (on firewall in engine compartment) on model 447 with code H12 + (H13/HZ7)	n. B.
A 447 832 00 15	Piping (on firewall in engine compartment) on model 447 with standard equipment	n. B.
A 447 832 01 15	Piping (on firewall in engine compartment) on model 447 with code H13/HZ7	n. B.
A 447 832 08 23	Molded hose (on circulation pump in engine compartment on left wheel well) on model 447.6 with code (HH4/F48) + (MG3/MG4/MG7), model 447.7 with code (H13/HZ7/HH4/F48) + (MG3/MG4/MG7), model 447.8 with code (H13/HZ7/HH4/F48) + (MG3/MG4/MG7)	n. B.
A 447 832 11 00	Molded hose (on piping in engine compartment on left wheel well) on model 447 with code F48 + (MG3/MG4/MG7)	n. B.
A 447 832 14 00	Molded hose (on switchover valve in engine compartment on left wheel well) on model 447 with code H12 + F48 + (MG3/MG4/MG7)	n. B.
A 447 832 24 00	Molded hose (on piping in engine compartment on left wheel well) on model 447 with code MM1	n. B.
A 447 832 25 00	Molded hose (on piping in engine compartment on left wheel well) on model 447 with code F48 + MM1	n. B.
A 447 832 30 23	Molded hose (on piping to engine in engine compartment on left wheel well) on model 447 with code MM1	n. B.
A 447 832 31 23	Molded hose (on circulation pump to engine in engine compartment on left wheel well) on model 447.6 with code MM1 + (HH4/F48), model 447.7/8 with code MM1 + (F48/HH4/HZ7/H13)	n. B.
A 447 832 36 23	Molded hose (on piping in engine compartment on left wheel well) on model 447 with code MX1/MX2/MX4/MX8	n. B.
A 447 832 37 23	Molded hose (on piping in engine compartment on left wheel well) on model 447 with code MG3/MG4/MG7	n. B.
A 447 832 39 23	Molded hose (on piping to switchover valve in engine compartment on left wheel well) on model 447 with code H12 + (MX1/MX2/MX4/MX8/MG3/MG4/MG7/MM1/MU0/MU2/MU4/MU6/MU8), model 447 with code F48 + H12 + (MX1/MX2/MX4/MX8/MG3/MG4/MG7/MM1/MU0/MU2/MU4/MU6/MU8)	n. B.
A 447 832 40 23	Molded hose (on switchover valve to circulation pump in engine compartment on left wheel well) on model 447 with code H12	n. B.
A 447 832 41 23	Molded hose (on switchover valve to circulation pump in engine compartment on left wheel well) on veh. with code H12 + F48	n. B.
A 447 832 05 15	Piping (in rear area) on model 447 with code IN1+ (H13/HZ7)	n. B.
A 447 832 08 15	Piping (in rear area) on model 447 with code (IN2/IN3) + (H13/HZ7)	n. B.
A 000 989 28 25	Coolant for topping up (enter the appropriate supplementary code for the fluid quantity when ordering)	n. B.
	Additional replacement part scopes, small parts and consumable materials must be replaced according to the information in the repair documents referred to in this document as part of this service measure. These must be determined according to the vehicle identification number (FIN) via the "XENTRY Parts Information" system and, whilst not listed in the parts ordering note, they are included in the costing.	n. B.

SM83.20-S-0008-03A	Check clamps of heating circuit hose lines in rear area (code: VS2KU50SCH)		
WS	000 588 01 21 00 Endoscope		WS01.00-P-0097B

Model 447.### ## as of 903381 up to 916616
with code H13 (Additional heat exchanger)
except code ZK7 (Equipment line MARCO POLO)

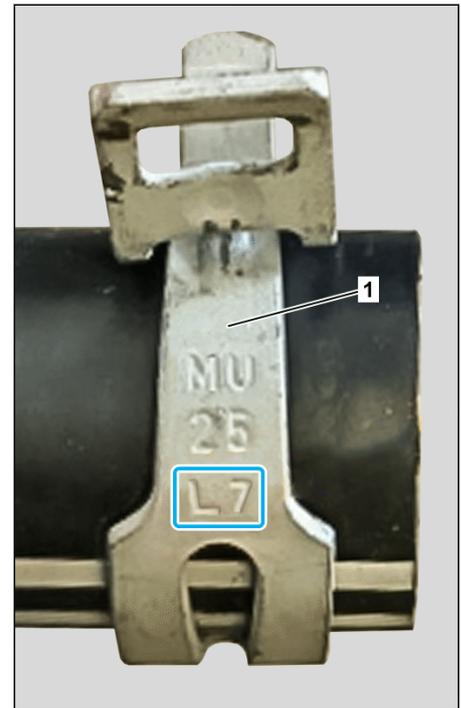
Model 447.### ## as of 903381 up to 916616
with code HZ7 (TEMPMATIC semi-automatic air conditioning in rear)
except code ZK7 (Equipment line MARCO POLO)

Information:

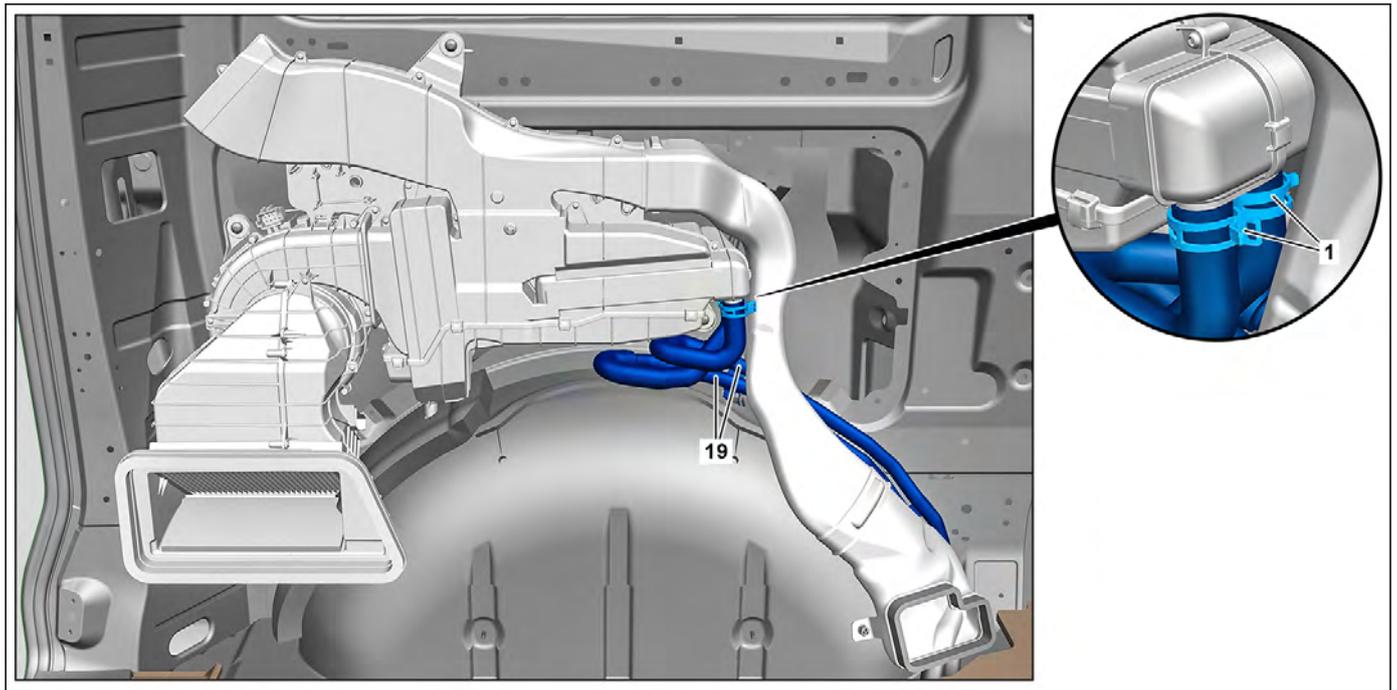
Only the clamps shown in the following pictures (1) must be checked. Other clamps are not affected and must not be checked as part of this service measure.

Shown here is a faulty clamp (1)

1 Clip



S83.20-A004-73

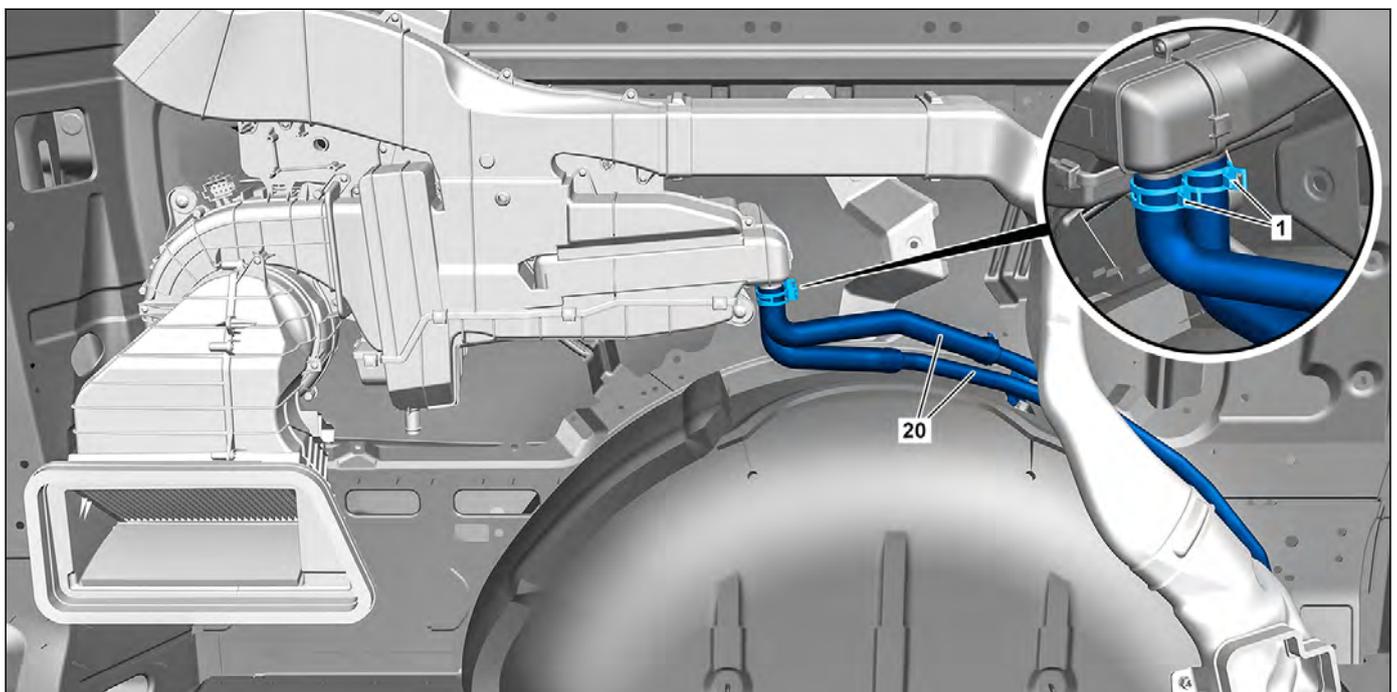


S83.20-A033-79

Model 447 with code IN1 + (H13/HZ7)

1 Clamps

19 Coolant hoses including heating circuit coolant lines in rear area



S83.20-A034-79

Model 447 with code (IN2/IN3) + (H13/HZ7)

1 Clamps

20 Coolant hoses including heating circuit coolant lines in rear area

SM83.20-S-0008-03B	Check clamps of heating circuit hose lines in rear area (code: VS2KU50SCH)		
WS	000 588 01 21 00 Endoscope		WS01.00-P-0097B

Model 447.### ## as of 903381 up to 916616
with code H13 (Additional heat exchanger)
with code ZK7 (Equipment line MARCO POLO)

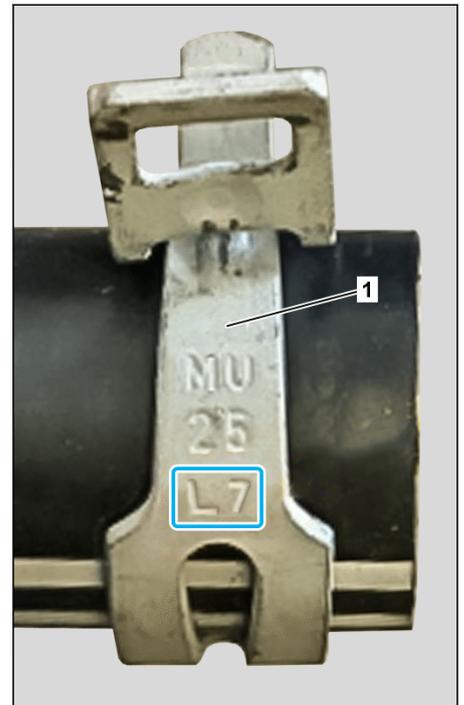
Model 447.### ## as of 903381 up to 916616
with code HZ7 (TEMPMATIC semi-automatic air conditioning in rear)
with code ZK7 (Equipment line MARCO POLO)

Information:

Only the clamps shown in the following pictures (1) must be checked. Other clamps are not affected and must not be checked as part of this service measure.

Shown here is a faulty clamp (1)

1 Clip

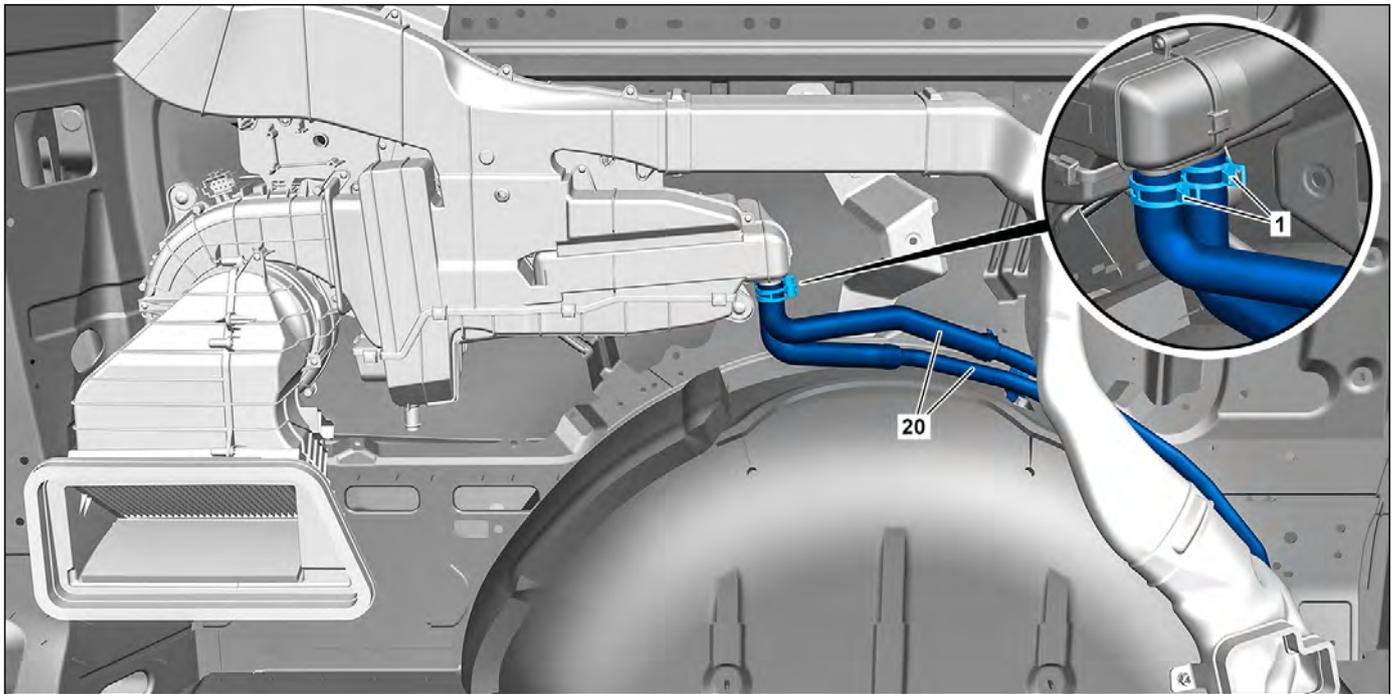


S83.20-A004-73

- 1 Clamps
- X58/23 230 V feed socket



S83.20-A035-76



S83.20-A034-79

Model 447 with code IN2 + (H13/HZ7)

- 1 Clamps
- 20 Coolant hoses including heating circuit coolant lines in rear area

SM83.20-S-0008-02A	Check clamps of heating circuit hose lines in engine compartment (code: VS2KU50SCH)		
WS	000 588 01 21 00 Endoscope		WS01.00-P-0097B

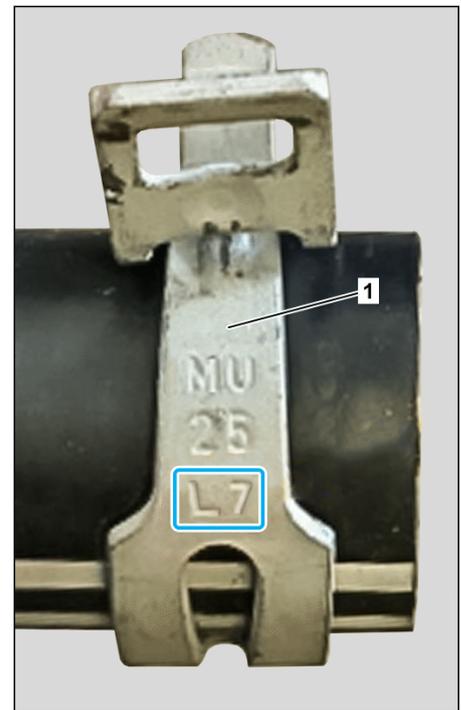
Model 447.### ## as of 903381 up to 916616

Information:

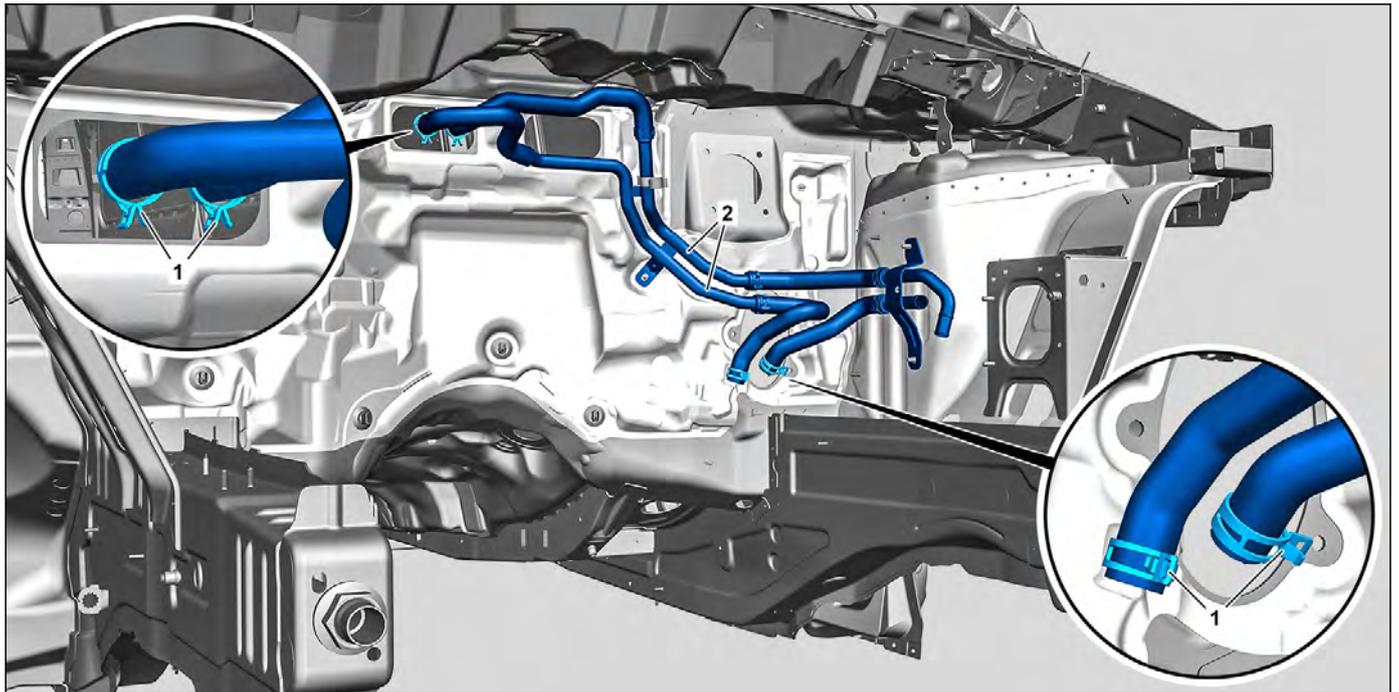
Only the clamps shown in the following pictures (1) must be checked. Other clamps are not affected and must not be checked as part of this service measure.

Shown here is a faulty clamp (1)

1 Clip



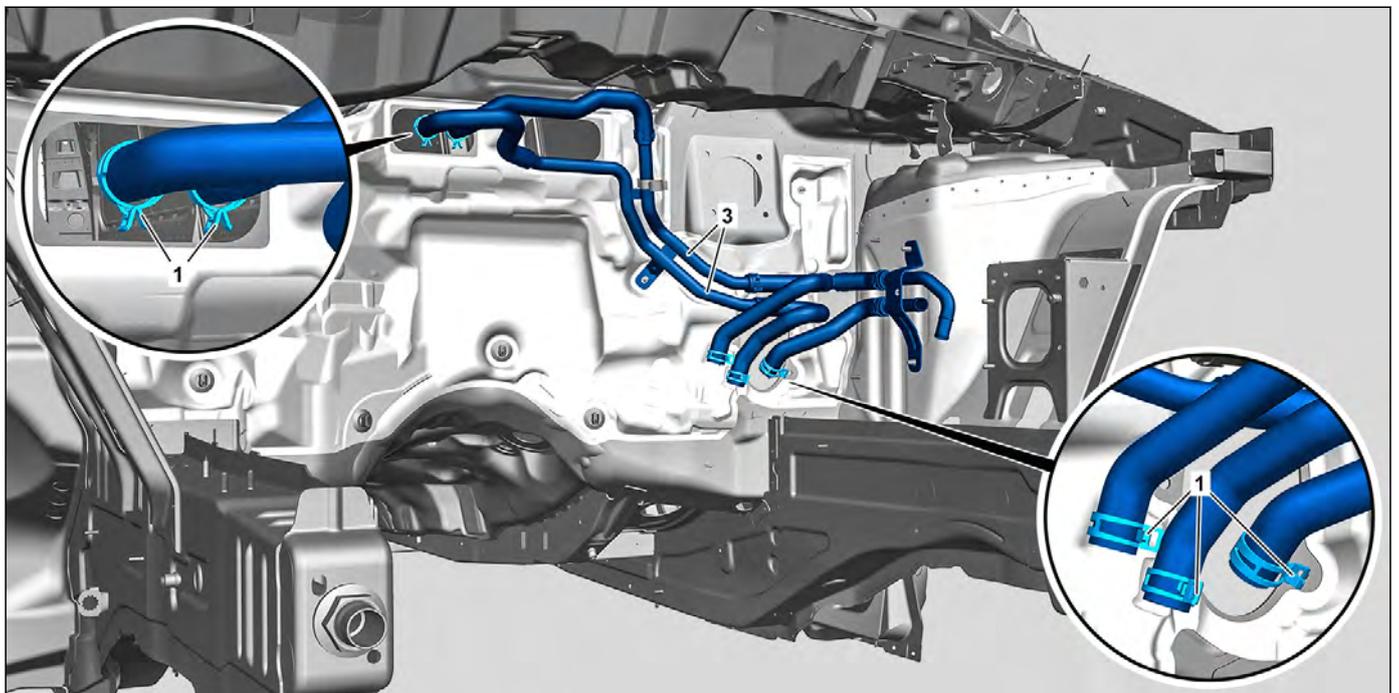
S83.20-A004-73



S83.20-A018-79

Model 447 with code H12

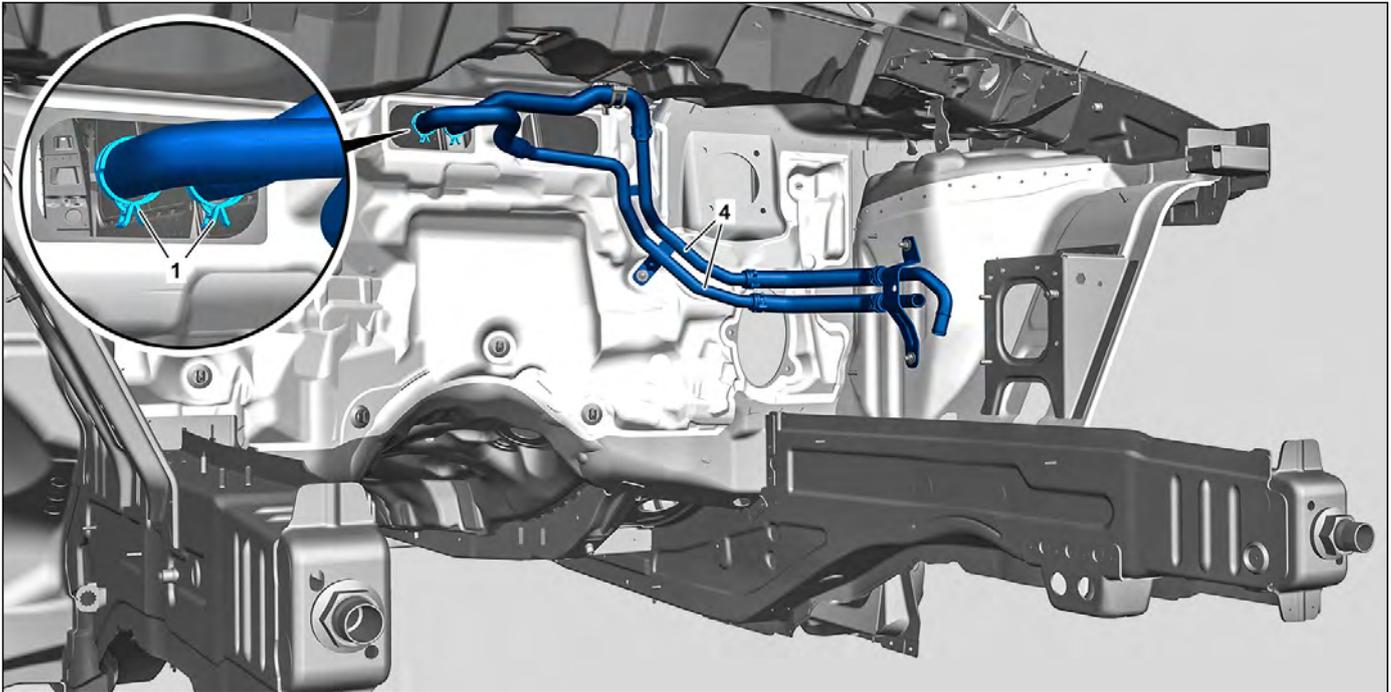
- 1 Clamps
- 2 Coolant hoses including heating circuit coolant lines in engine compartment at firewall



S83.20-A019-79

Model 447 with code H12 + (H13/HZ7)

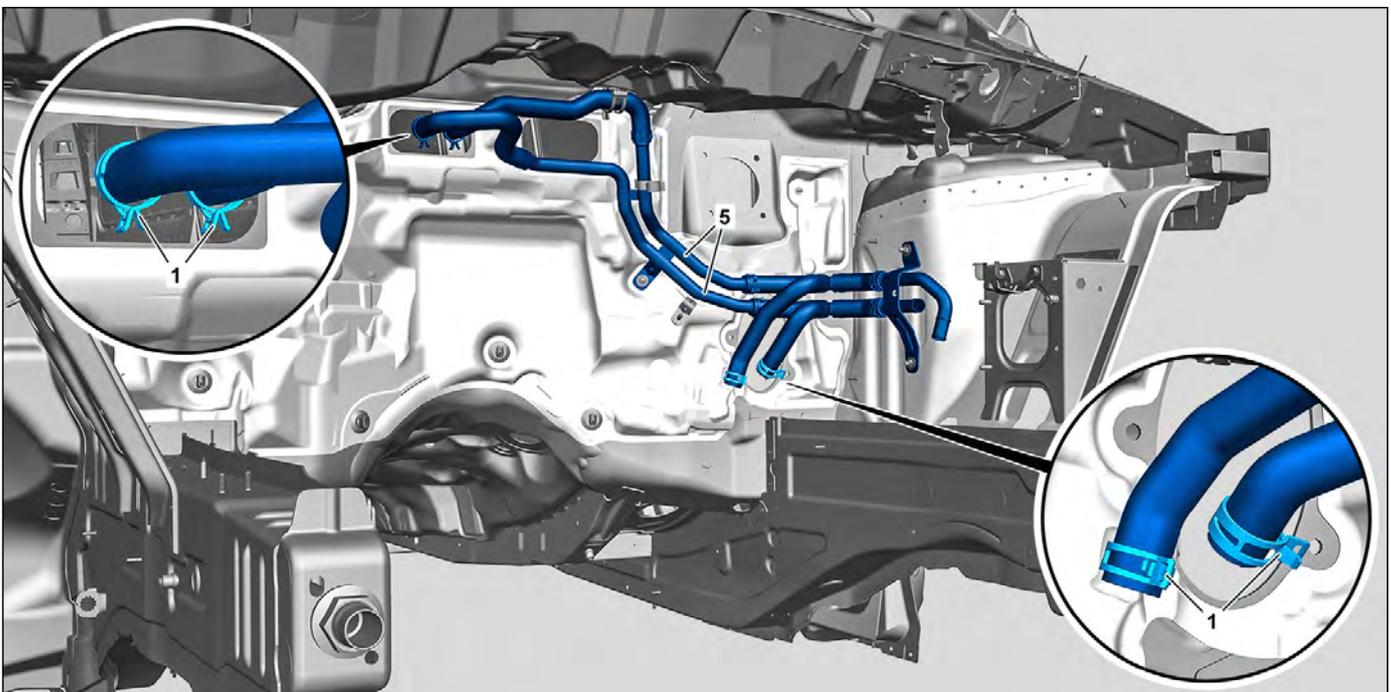
- 1 Clamps
- 3 Coolant hoses including heating circuit coolant lines in engine compartment at firewall



S83.20-A020-79

Model 447 with standard equipment

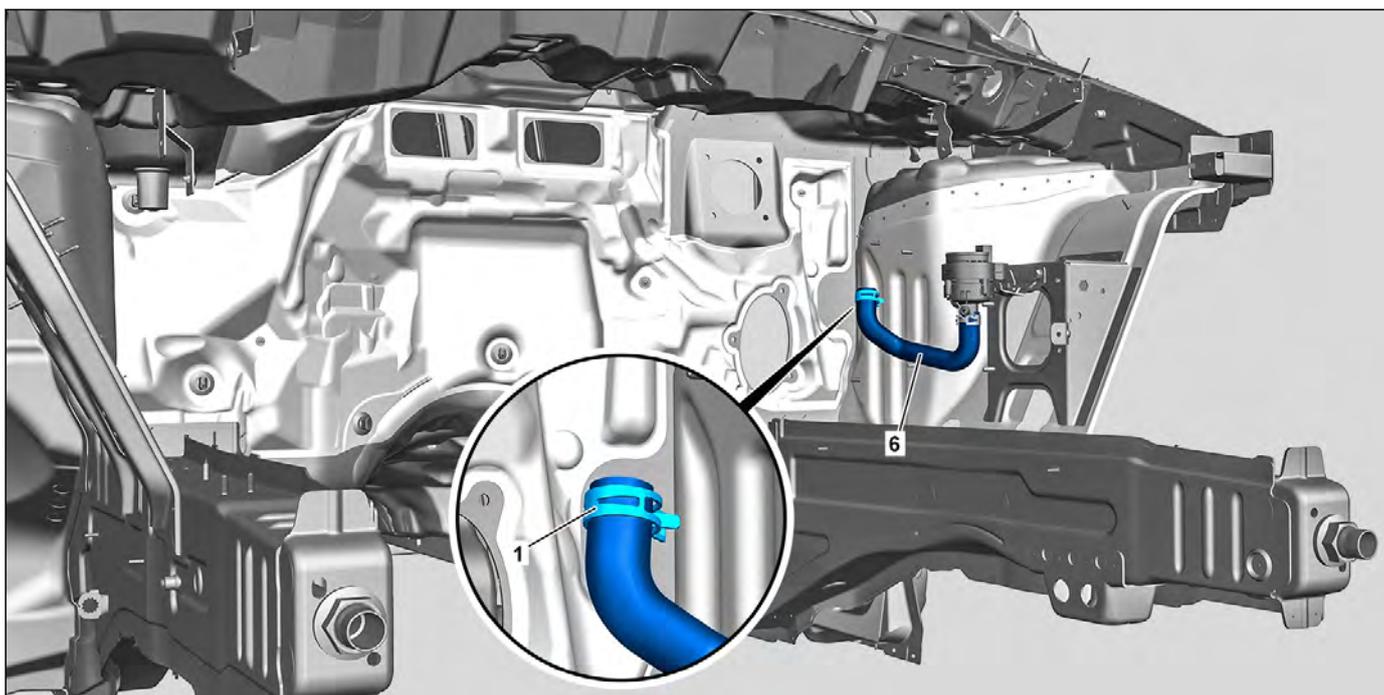
- 1 Clamps
- 4 Coolant hoses including heating circuit coolant lines in engine compartment at firewall



S83.20-A021-79

Model 447 with code H13/HZ7

- 1 Clamps
- 5 Coolant hoses including heating circuit coolant lines in engine compartment at firewall

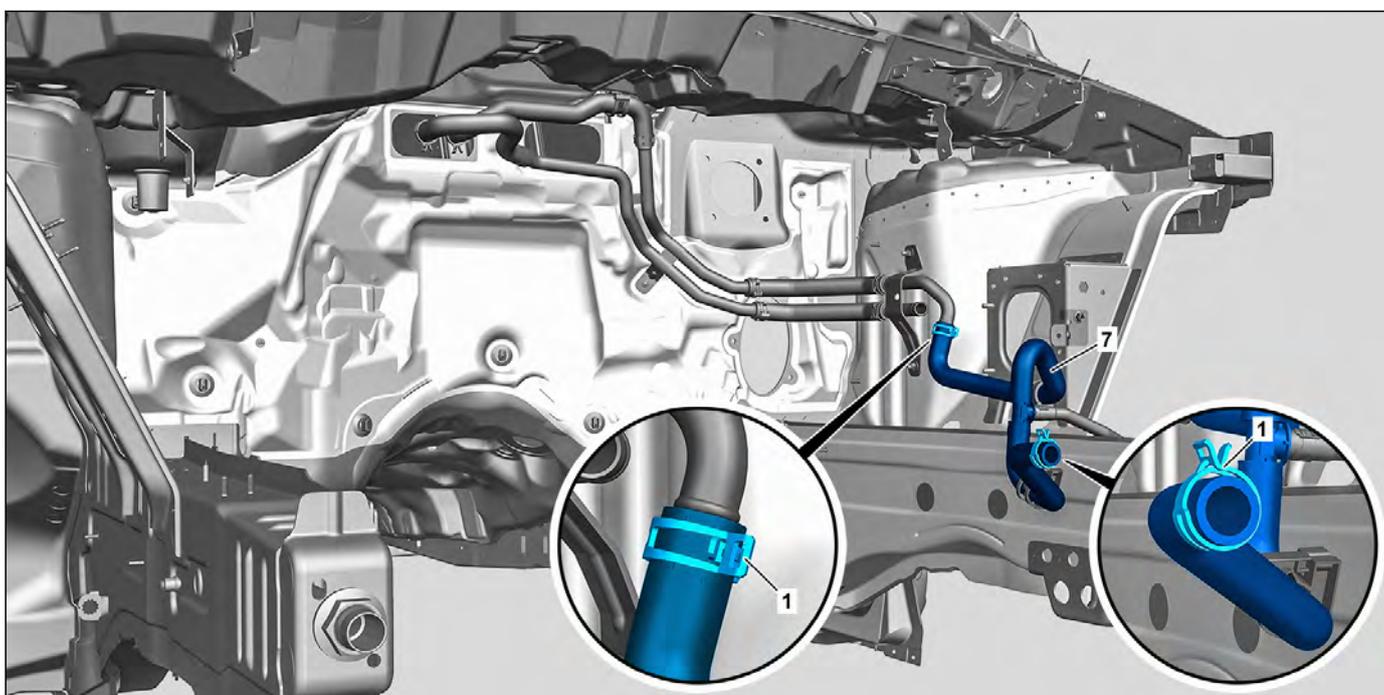


S83.20-A022-79

Model 447.6 with code (HH4/F48) + (MG3/MG4/MG7), model 447.7 with code (H13/HZ7/HH4/F48) + (MG3/MG4/MG7), model 447.8 with code (H13/HZ7/HH4/F48) + (MG3/MG4/MG7)

1 Clip

6 Heating circuit molded hose in engine compartment at left wheel well

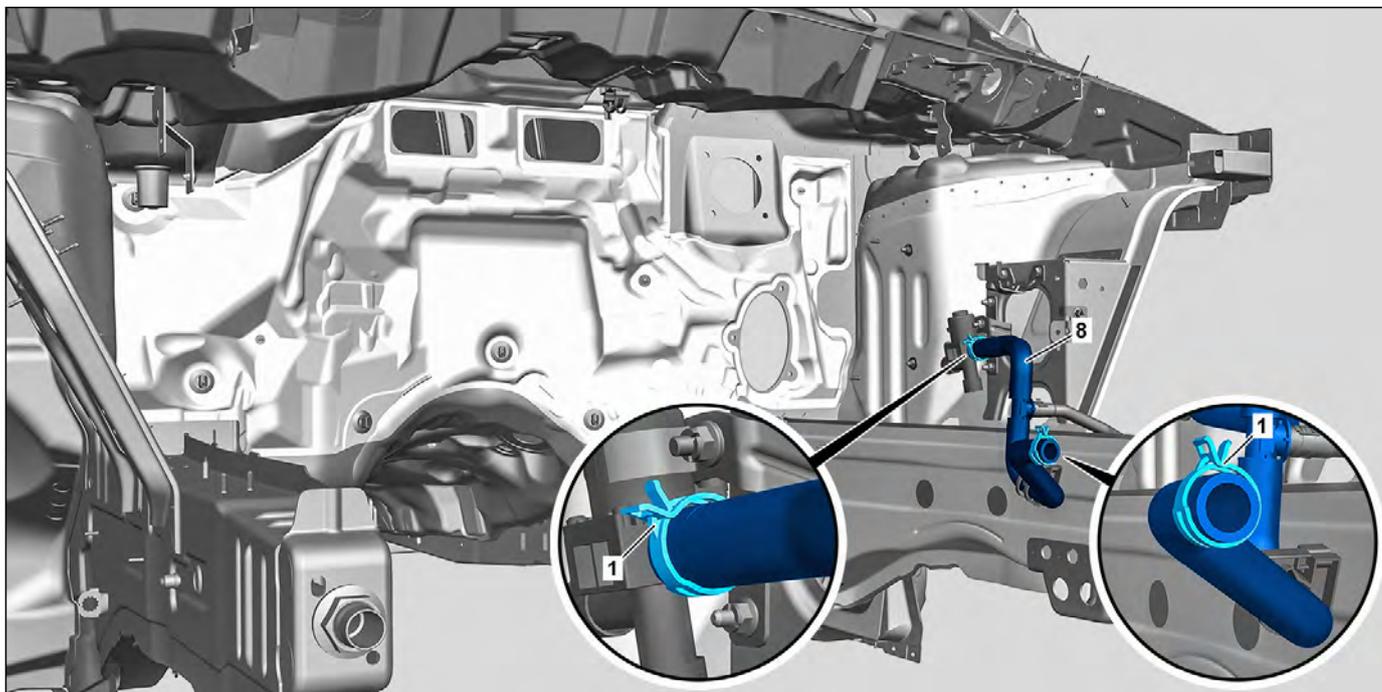


S83.20-A023-79

Model 447 with code F48 + (MG3/MG4/MG7)

1 Clip

7 Heating circuit molded hose in engine compartment at left wheel well

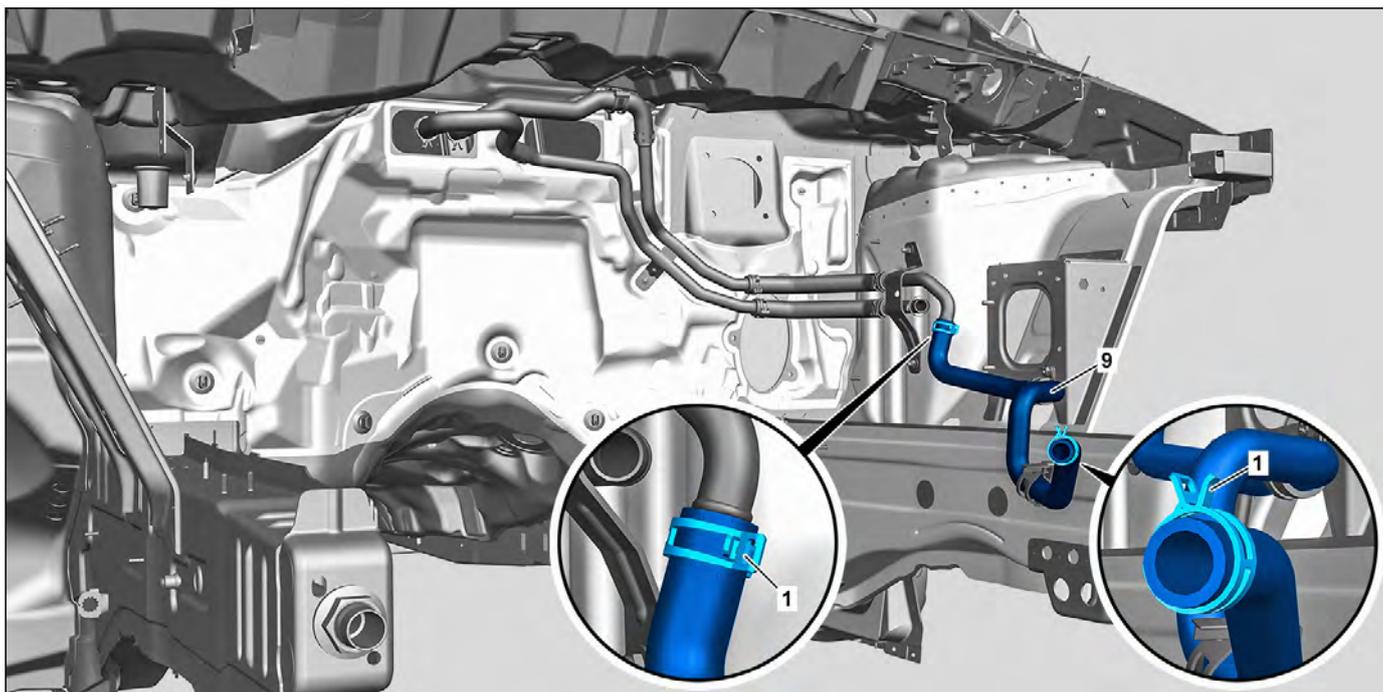


S83.20-A024-79

Model 447 with code H12 + F48 + (MG3/MG4/MG7)

1 Clip

8 Heating circuit molded hose in engine compartment at left wheel well

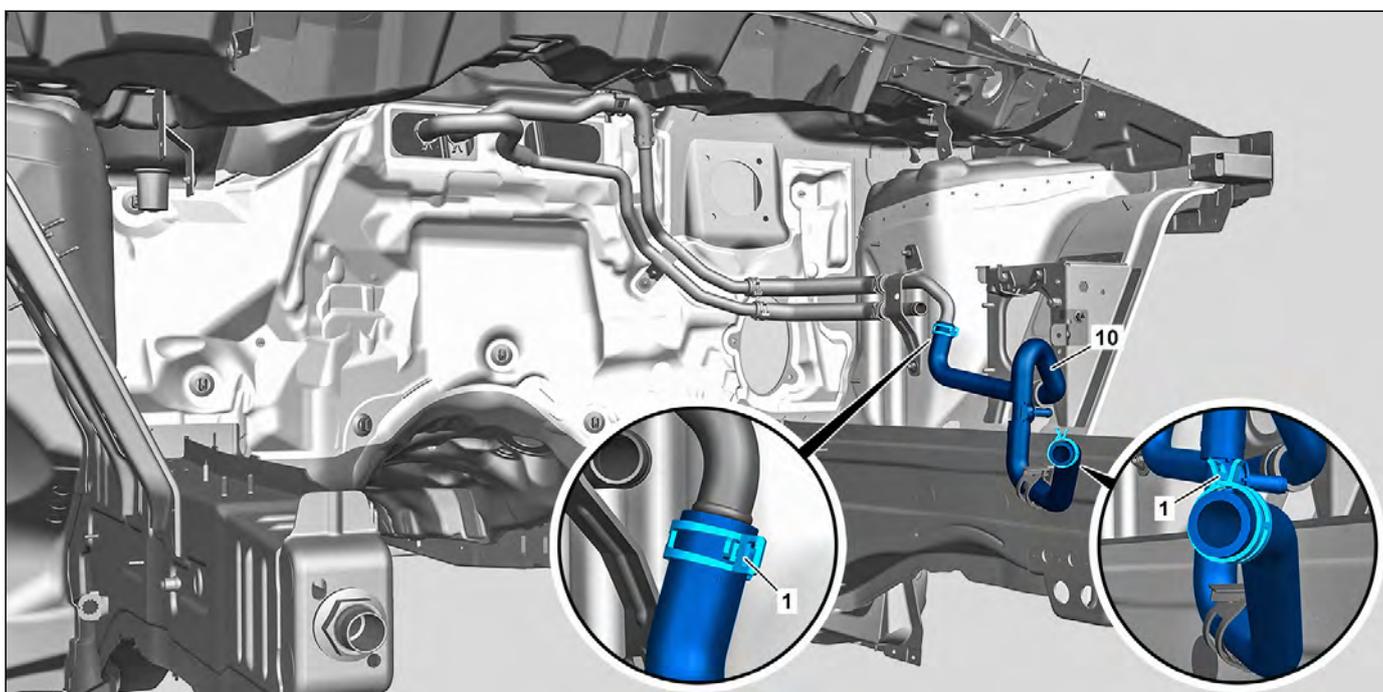


S83.20-A025-79

Model 447 with code MM1

1 Clip

9 Heating circuit molded hose in engine compartment at left wheel well

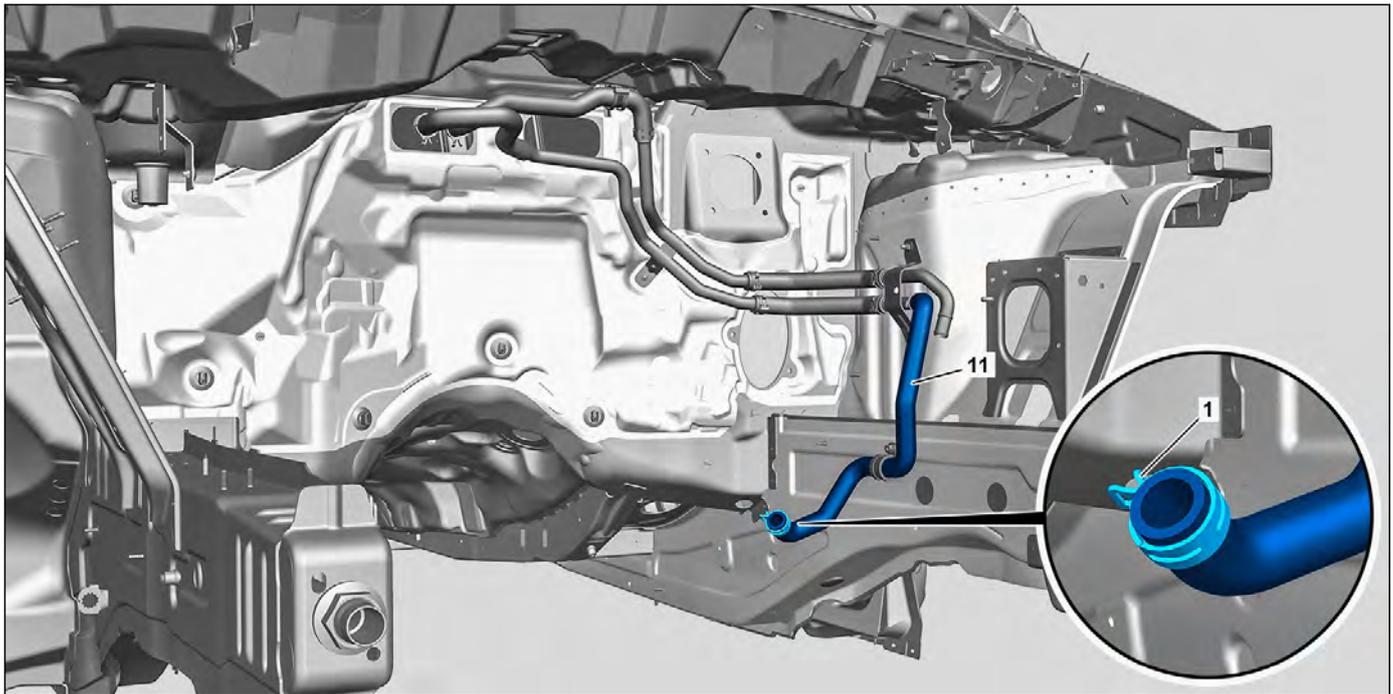


S83.20-A026-79

Model 447 with code F48 + MM1

1 Clip

10 Heating circuit molded hose in engine compartment at left wheel well

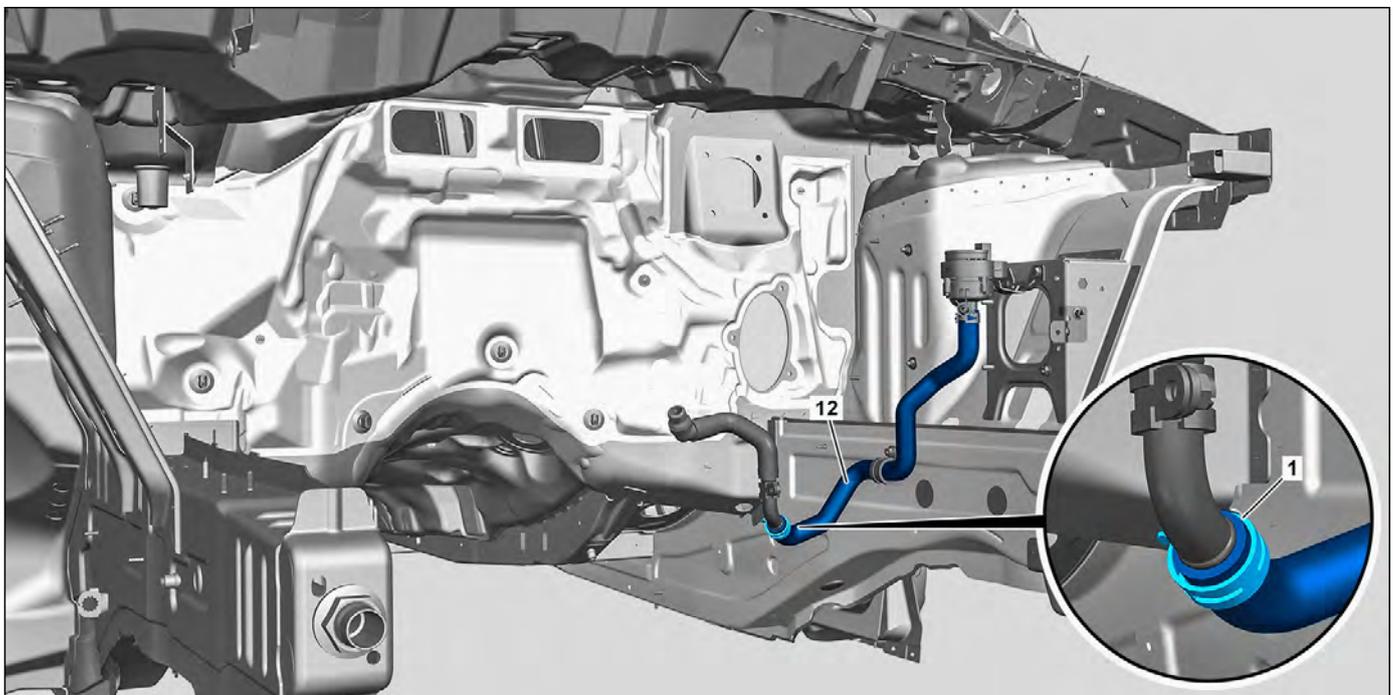


S83.20-A027-79

Model 447 with code MM1

1 Clip

11 Heating circuit molded hose in engine compartment at left wheel well

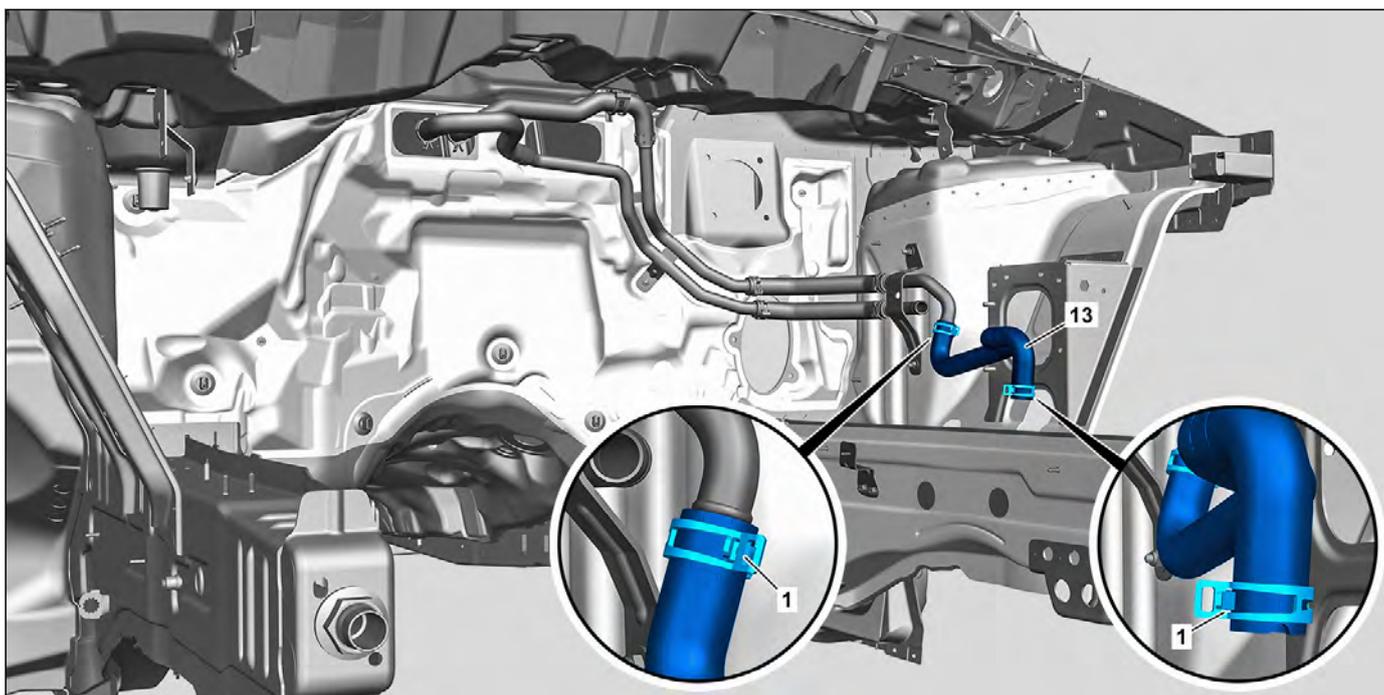


S83.20-A028-79

Model 447.6 with code MM1 + (HH4/F48), model 447.7/8 with code MM1 + (F48/HH4/HZ7/H13)

1 Clip

12 Heating circuit molded hose in engine compartment at left wheel well

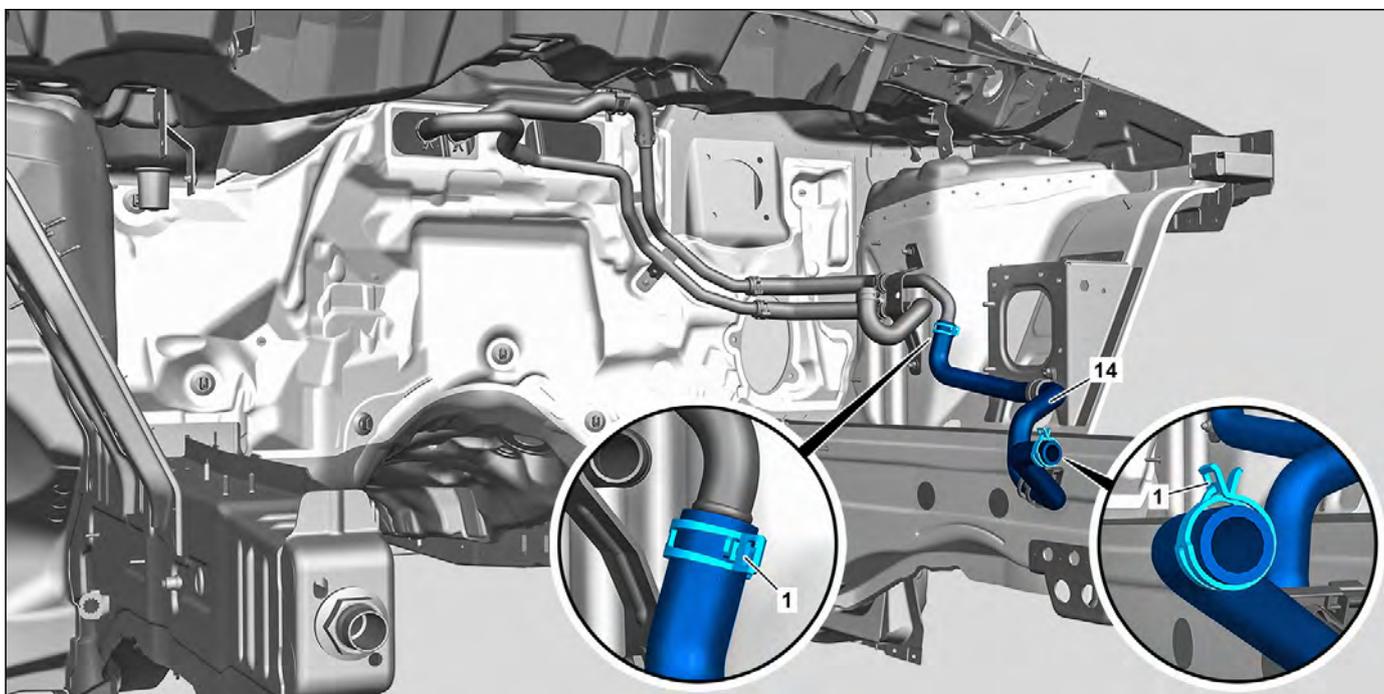


S83.20-A029-79

Model 447 with code MX1/MX2/MX4/MX8

1 Clip

13 Heating circuit molded hose in engine compartment at left wheel well

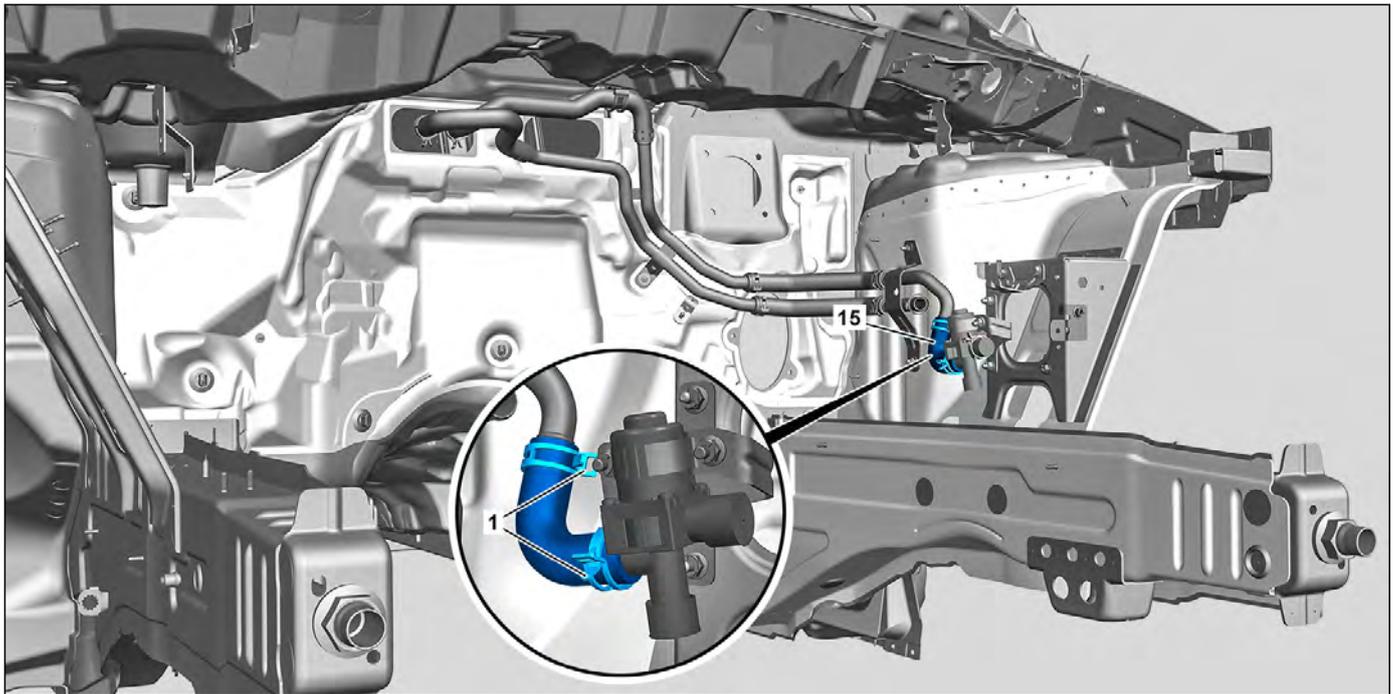


S83.20-A030-79

Model 447 with code MG3/MG4/MG7

1 Clip

14 Heating circuit molded hose in engine compartment at left wheel well

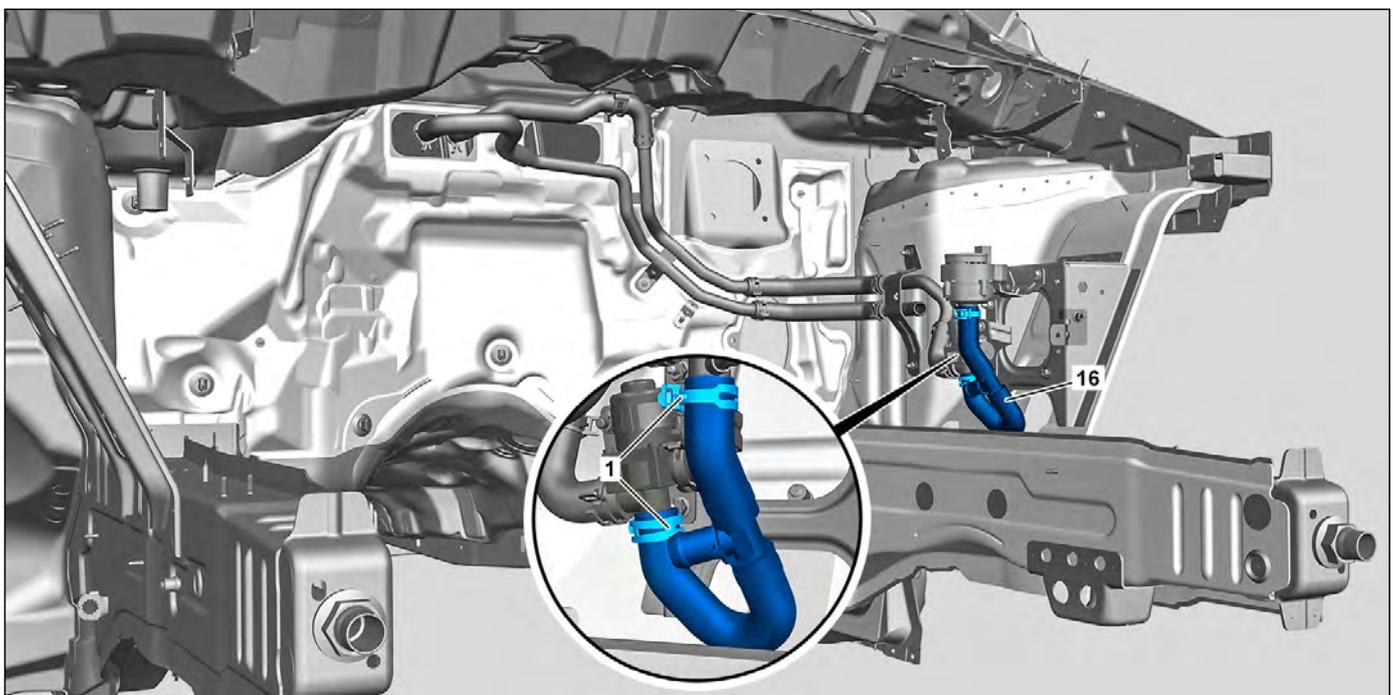


S83.20-A031-79

Model 447 with code H12 + (MX1/MX2/MX4/MX8/MG3/MG4/MG7/MM1/MU0/MU2/MU4/MU6/MU8), model 447 with code F48 + H12 + (MX1/MX2/MX4/MX8/MG3/MG4/MG7/MM1/MU0/MU2/MU4/MU6/MU8)

1 Clamps

15 Heating circuit molded hose in engine compartment at left wheel well



S83.20-A032-79

Model 447 with code H12, model 447 with code H12 + F48

1 Clamps

16 Heating circuit molded hose in engine compartment at left wheel well



If at least one clamp (1) has the identifier "L7", the entire affected component part must be replaced.

Otherwise, leak tightness of the heating circuit is not guaranteed.



1 Check clamps (1) in engine compartment.



Use a suitable **endoscope camera** to check the clamps (1).