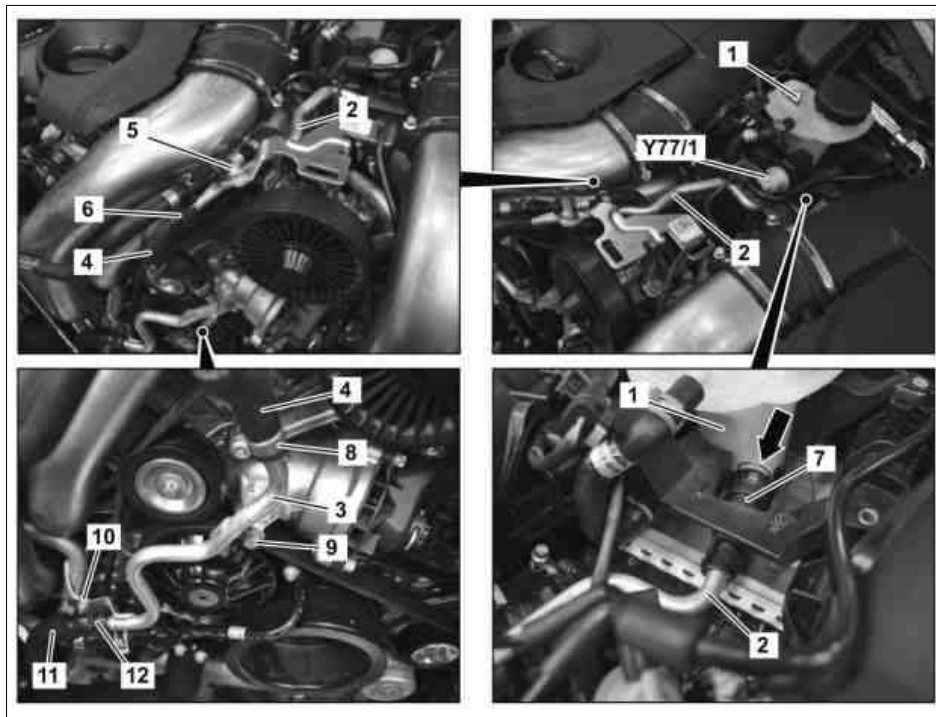





- ENGINE** 157, 278 in MODEL 212, 218
with CODE 139 (M157/M278 engine cooling measures)
- ENGINE** 278 as of 3/1/12 in MODEL 207.3/4
with CODE 139 (M157/M278 engine cooling measures)

- 1 Coolant expansion reservoir low-temperature circuit
- 2 Upper coolant line
- 3 Lower coolant line
- 4 Connector hose
- 5 Screw
- 6 Clamp
- 7 Coolant hose
- 8 Hose clamp
- 9 Screw
- 10 Nut
- 11 Coolant hose
- 12 Clamp
- Y77/1 Boost pressure positioner



P20.30-2414-06

☒ ☒	Remove/install		
	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	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 pressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
1	Open engine hood	MODEL 207, 212, 218 ENGINE 207, 212	AR88.40-P-1000EW
2	Remove center section of upper engine cover		
3	Unscrew cap on the coolant expansion reservoir low-temperature circuit (1)	i Turn cap slowly and release overpressure, then unscrew cap.	
4	Remove bottom engine compartment paneling	i Installation: Only mount bottom engine compartment paneling after leak check.	AR61.20-P-1105EW
5 ⓘ	Drain coolant from low-temperature circuit Notes on coolant	i The coolant drain screw for the low-temperature circuit is located in the low-temperature circuit hose package at the front right in engine compartment.	AH20.00-N-2080-01A
	Only perform operation steps 6 to 11 to remove upper coolant line (2)		
6	Remove boost pressure positioner (Y77/1)		AR07.17-P-7002ELB
7	Unfasten coolant expansion reservoir low-temperature circuit (1)		AR09.41-P-0001ELB

8	Remove screw/bolt (5) from bracket for the upper coolant line (2)	 The upper coolant line (2) is fastened together with the vent line on a bracket. For installation one should observe that these are mounted correctly again together with the upper coolant line (2).	
9	Release clamp (6) from connector hose (4) and detach connector hose (4) from the upper coolant line (2)		
10	Unlock quick-release coupling from coolant hose (7) (arrow) and detach upper coolant line (2) from the coolant expansion reservoir low-temperature circuit (1)		
11	Remove upper coolant line (2) from engine		
	Only perform operation steps 12 to 15 to remove upper coolant line (3)		
12	Release hose clamp (8) from connector hose (4) and detach connector hose (4) from the lower coolant line (3)		
13	Loosen clamp (12) and detach coolant hose (11) from lower coolant line (3)		
14	Remove screw/bolt (9) and nut (10)		
15	Remove lower coolant line (3) from engine		
16	Install in the reverse order		
	Check		
17	Check cooling system low-temperature circuit for leaktightness	MODEL 207 MODEL 212, 218  Attach tester cap to coolant expansion reservoir low-temperature circuit (1) and apply the test pressure to the low-temperature circuit.	AR20.00-P-1010FH AR20.00-P-1010EL
18	Risk of accident from vehicle starting off by itself when engine running. Risk of injury (bruises and burns) resulting from working on the engine while it is being started or when it is running. Perform an engine test run; check cooling system for function and leaktightness	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A