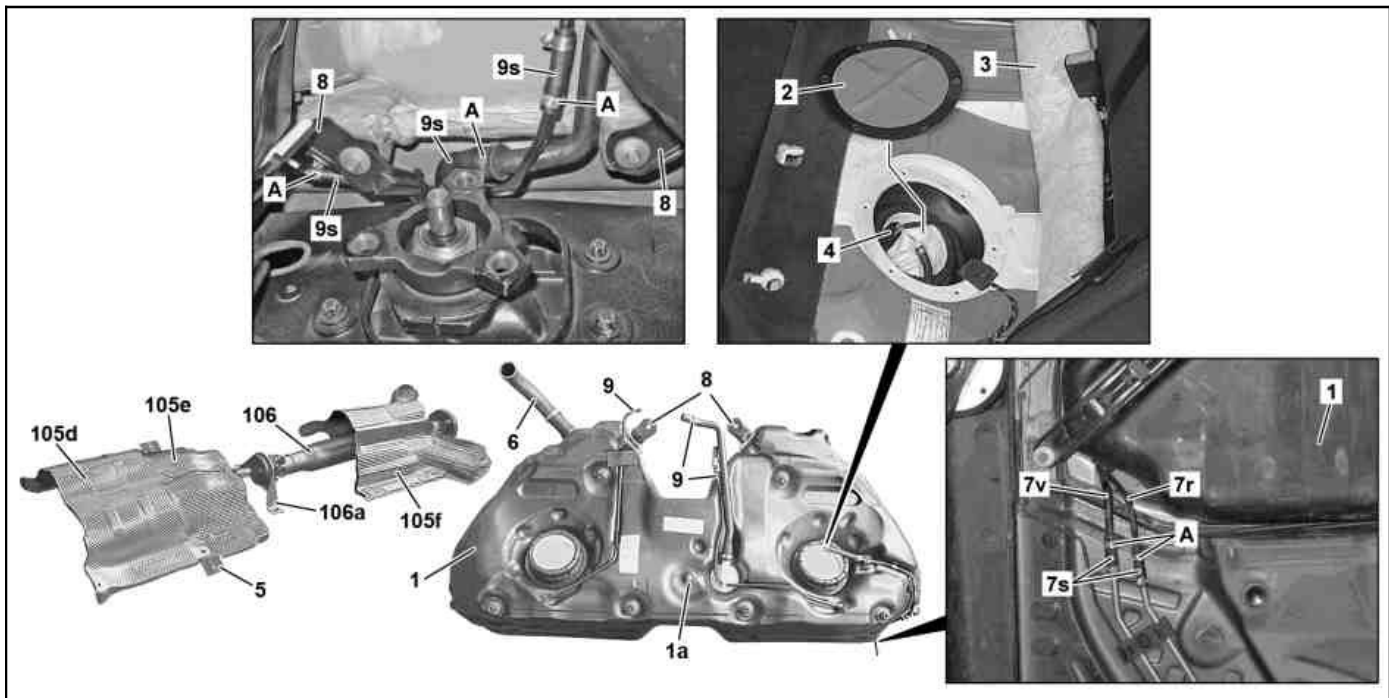


MODEL 211 with ENGINE 112, 113, 156, 271, 272, 273, 628, 629, 642, 646, 647, 648





















P47.10-2451-09

1	Fuel tank	7r	Fuel return line	105e	Heat shield
1a	Nut	7s	Connector hose	105f	Heat shield
2	Left cap	7v	Fuel feed line	106	Propeller shaft
3	Insulation mat	8	Retaining strap	106a	Propeller shaft intermediate bearing
4	Electrical connector	9	Vent line		
5	Crossmember	9s	Connector hose		
6	Filler hose	105d	Heat shield	A	CLIC clamp

Modification notes

28.1.08	Repair method has been revised		
---------	--------------------------------	--	--

	Remove/install		
Danger!	Risk of explosion caused by fuel igniting, risk of poisoning caused by inhaling and swallowing fuel and risk of injury to eyes and skin caused by contact with fuel	No fire, sparks, open flames or smoking. Pour fuels only into suitable and appropriately marked containers. Wear protective clothing when handling fuel.	AS47.00-Z-0001-01A
Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
Danger!	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
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1	Drain fuel tank (1)	Engine 628, 642, 646, 647, 648 Engine 629 Engine 112, 113, 156, 271, 272, 273	AR47.10-P-4001T AR47.10-P-4001TJ AR47.10-P-4001TB
2.1	Remove rear seat cushion	Model 211.0 without code 287 Through-loading feature	AR91.12-P-1020T
2.2	Position rear seat cushion upright	Model 211.0 with code 287 Through-loading feature, model 211.2 See Remove/install rear seat cushions: Model 211.0 with code 287 Through-loading feature Model 211.2	AR91.12-P-1020TA AR91.12-P-1020TB
2.3	Enable access to left cap (2)	Model 211.6 according to body Pay attention to notes from body manufacturer.	
3	Fold back the insulation mat (3)		

4	Remove the left cap (2)		
5	Release and disconnect electrical connector (4)		
6	Unscrew nut (1a) from grub screw of the fuel tank (1)		
7	Raise vehicle with vehicle lift		AR00.60-P-1000T
8	Remove crossmember (5)	Nm	*BA62.30-P-1001-01A
9	Remove both rear sections of the underfloor paneling		AR61.30-P-1001T
10.1	Remove exhaust system at flange connection	Engine 112, 113 except 113.990 Engine 271 Engine 646, 647 Engine 628 Engine 272, 273	AR49.10-P-7280TB AR49.10-P-7280TK AR49.10-P-7280T AR49.10-P-7280TC AR49.10-P-7280TS
10.2	Remove exhaust system from pipe connection	Engine 648	AR49.10-P-7281T
10.3	Remove rear muffler	Engine 642 Engine 629	AR49.10-P-4951TI AR49.10-P-4951TJ
10.4	Remove complete exhaust system	Engine 113.990, 156	AR49.10-P-7000TB
11	Remove heat shields (105d, 105e)		
12	Detach propeller shaft (106) from rear axle center assembly	 The flexible coupling remains on the propeller shaft (106). If the fitted sleeves are jammed: ↓ Loosen fitted sleeves for flexible coupling at flange of rear axle center assembly. Installation: Mount propeller shaft (106) on rear axle center assembly. Nm	AR41.10-P-0050-09DA AR41.10-P-0050-04I *BA41.10-P-1002-01A
13	Unscrew bolts from propeller shaft center support bearing (106a) and remove rear part of the propeller shaft (106)	 Installation: Assemble propeller shaft (106) in correct order. Only tighten propeller shaft intermediate bearing (106a) bolts after fixing flexible coupling to rear axle center assembly. Nm	AR41.10-P-0050-05DA *BA41.40-P-1001-01A BB00.40-P-0266-02A
 BB	Long-life grease (NLGI grade 2)	Sheet 266.2	
14	Remove heat shield (105f)		
15	Unhook rear brake cables from automatic slack adjuster on parking brake		AR42.20-P-0525T
16	Disconnect filler hose (6) at fuel tank (1)	 Collect fuel which flows out.  Installation: Check filler hose (6) and hose clamp for damage and replace if necessary.	
17	Detach connector hose (7s) from fuel feed line (7v) and fuel return line (7r)	 Do not use any pointed or sharp-edged tools for removing the connector hoses (7s); otherwise, they can get damaged.  Fuel return line (7r) is only available on vehicles with diesel engine.  Collect fuel which flows out.  Installation: Replace the CLIC clamps (A). Never use screw and nut clamps or spring bracket clamps, as air-tightness will be lost.  Installation: Check connector hoses (7s) for damage and replace if necessary.	
18	Support fuel tank (1) with a transmission jack and a transmission plate	Transmission jack, transmission plate http://gotis aftersales.mercedes-benz.com	
19	Detach retaining straps (8) on underfloor and lower the fuel tank (1) slightly	Nm	*BA47.10-P-1004-01E
20	Detach connector hoses (9s) from vent lines (9)	 Do not use any pointed or sharp-edged tools for removing the connector hoses (9s); otherwise, they can get damaged.  Installation: Replace the CLIC clamps (A). Never use screw and nut clamps or spring bracket clamps, as air-tightness will be lost.  Installation: Check connector hoses (9s) for damage and replace if necessary.	
21	Lower fuel tank (1) Disposing fuel tanks	 Remove fuel tank (1) if necessary.	OS47.10-P-0001-01A
 OS			
22	Install in the reverse order		
	Checking		
 Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
23	Perform engine test run and check exhaust and fuel system for leaks	 Determine the cause of leaks if any and eliminate them; otherwise, there is a possibility of malfunction as well as personal injury, and property and environmental damage.	

Nm Crossmember and front reinforcement

Number	Designation	Model 211
BA62.30-P-1001-01A	Bolt, crossmember to body Nm	25

Nm Propeller shaft

Number	Designation	Model 211
BA41.10-P-1002-01A	Self-locking nut, flexible coupling to rear propeller shaft or rear axle differential.	M10 Nm 40
		M12 Nm 60

Nm Propeller shaft intermediate bearing

Number	Designation	Model 211
BA41.40-P-1001-01A	Bolt, propeller shaft intermediate bearing to frame floor assembly	Self-tapping screw Nm 25
		Bolt with washer Nm -
		Bolt with collar and self-centering tip Nm -
		Bolt with collar and without self-centering tip Nm -

Nm Fuel tank

Number	Designation	Model 211
BA47.10-P-1004-01E	Fuel tank retaining straps to underbody	M 8 Nm 20
		M 18 Nm -