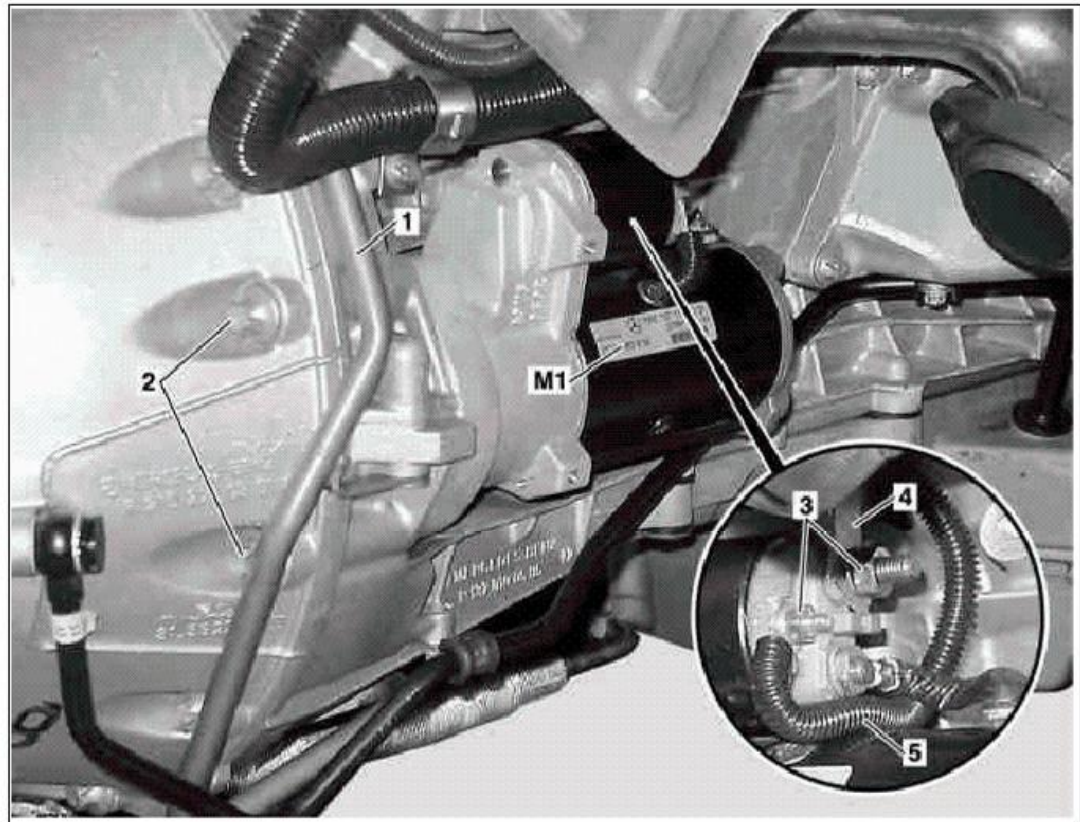







AR15.30-P-7100N **Remove starter, install** **15.2.12**
ENGINE 137.970 in MODEL 215.378, 220.178 /878

- 1 Active body control hydraulic line
 - 2 Bolts
 - 3 Nuts
 - 4 Electric cable circuit 30
 - 5 Electric cable circuit 50
- M1 Starter





P15.30-2021-06

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Remove/Install			
 Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the columns of the hydraulic hoist and position the four support plates below the hoist support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
 Danger!	Risk of explosion caused by escaping oxyhydrogen gas. Risk of injury caused by caustic burns to eyes, skin and mucous membranes from battery electrolyte (contains diluted sulfuric acid) or metal spatter due to short circuit. Risk of burn injuries caused by short circuit. Risk of poisoning caused by swallowing battery electrolyte (contains diluted sulfuric acid) or absorption of lead over the skin or orifices	No fire, sparks, open flames or smoking. Wear acid-resistant gloves and clothing and safety glasses with side guards. Do not place any conductive objects on the battery and avoid any short circuit from battery positive to ground. Only fill liquid battery electrolyte (diluted sulfuric acid) into suitable and appropriately marked containers.	AS54.10-Z-0001-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1	Dismount ground line to the battery	 Do not connect quiescent current retention unit. A short circuit could occur, if the electrical line circuit 30 (B+) comes into contact with the ground.	AR54.10-P-0003I
	Notes on battery		AH54.10-P-0001-01A
2	Detach lower engine compartment paneling		AR61.20-P-1105M
3	Remove front right exhaust system		AR49.10-P-5531L
4	Unscrew bolts of Active Body Control hydraulic line (1)		

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	Notes on safety		
2	Detach lower engine compartment paneling		AR61.20-P-1105M
3	Remove front right exhaust system		AR49.10-P-5531L
4	Unscrew bolts of Active Body Control hydraulic line (1)		
5	Unscrew bolts (2) of starter	Nm	*BA15.30-P-1003-01G
6	Unscrew nuts (3) and remove electrical lines (4, 5)	Nm Nut of terminal 30 connection	*BA15.30-P-1001-01G
		Nm Nut of connection circuit 50	*BA15.30-P-1002-01G
7	Take starter (M1) down and out		
8.1	Check ring gear on the drive plate for wear and damage	When replacing the starter.  Rotate engine at the crankshaft in direction of rotation.	
9	Install in the reverse order		
10	Perform function check		
11	Render electrical system operational	See ↓ Perform basic programming	AR00.19-P-0200M
12	Read diagnostic trouble code memory and erase	 When the work is complete stored faults must be worked on in the diagnostic trouble code memories and erased. ↓ Connect STAR DIAGNOSIS, interrogate fault memory	AD00.00-P-2000-04A

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Number	Designation	Engine 137	
BA15.30-P-1001-01G	Nut of connection of circuit 30	Nm	14
BA15.30-P-1002-01G	Nut of connection circuit 50	Nm	6
BA15.30-P-1003-01G	Bolt of starter to crankcase	Nm	42

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