

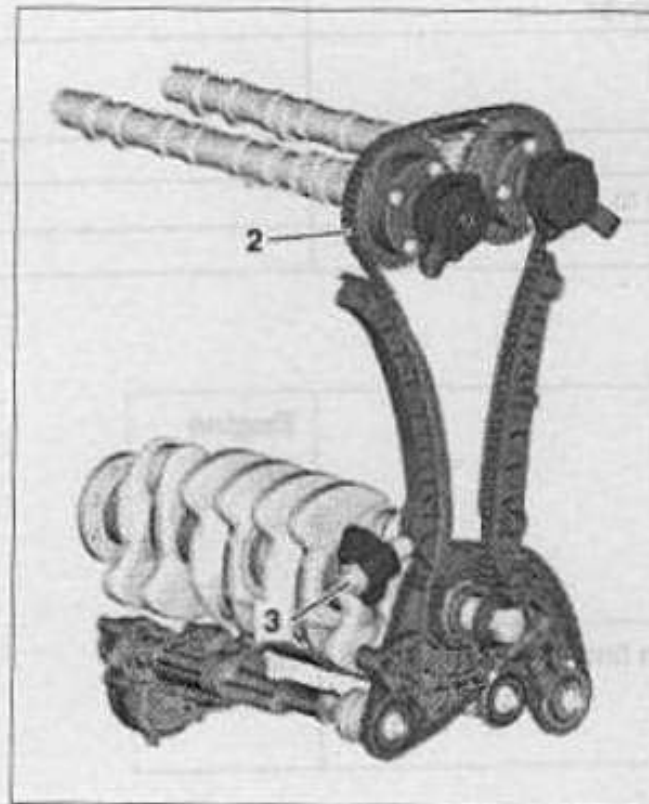
AR05.10-P-7601P

Replacing the timing chain

13.8.03

ENGINES 271 in MODEL 203























- 1 Retainer
- 2 Timing chain
- 3 Chain tensioner



P05.10-2186-02



P05.10-2187-02

	Remove		
 Danger!	Risk of injury caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof. Open engine hood and raise to vertical position	When moving components, ensure that no body parts or limbs are within the operating range of moving parts.	AS00.00-Z-0011-01A AR88.40-P-1000P
1			
 Danger!	Risk of explosion caused by oxyhydrogen gas. Risk of poisoning and caustic burns caused by swallowing battery acid. Risk of injury caused by burns to skin and eyes from battery acid or when handling damaged lead-acid batteries Disconnect ground cable from battery Notes on battery	No fire, sparks, open flames or smoking. Wear acid-resistant gloves, clothing and goggles. Pour battery acid only into suitable and appropriately marked containers.	AS54.10-Z-0001-01A AR54.10-P-0003P AH54.10-P-0001-01A
2			
			
3	Remove ignition coils		AR15.12-P-2003T
4	Remove spark plugs Replace spark plugs		AP15.10-P-1580P
			
5	Remove cylinder head cover		AR01.20-P-5014QK
6	Remove alternator		AR15.40-P-5032QK
7	Remove chain tensioner (3)		AR05.10-P-7800QK
8	Mount retainer (1) onto cylinder head.	 Retainer	*271589014000
9	Separate timing chain (2)	 Cover timing case recess and cylinder head with clean rag  Retainer  Case  Chain separating tool  Pressure screw  Thrust pins	AR05.10-P-7801-01Q *271589014000 *602589009800 *602589023300 *602589046300 *602589046301
	Install		
10	Draw in new timing chain	 Take rag out of timing case recess and cylinder head. Otherwise when cranking the engine, this can be drawn into the timing case recess.  Retainer  Case  Assembly link	AR05.10-P-7801-04Q *271589014000 *602589009800 *271589096300
11	Rivet new timing chain	 Cover timing case recess and cylinder head with clean rag.  Case  Riveting tool  Assembly inserts 	AR05.10-P-7801-02Q *602589009800 *602589009900 *271589016300 *BA05.10-P-1002-01F
12	Install chain tensioner (3)		AR05.10-P-7800QK

13	Check basic position of camshafts		AR05.20-P-6010QK
14	Install generator		AR15.40-P-5032QK
15	Dismount retainer (1)		
16	Install cylinder head cover		AR01.20-P-5014QK
17	Install spark plugs		AP15.10-P-1580P
AP	Replace spark plugs		
18	Install ignition coils		AR15.12-P-2003T
19	Connect ground cable to battery		AR54.10-P-0003P
20	Close engine hood		AR88.40-P-1000P

Nm Timing chain, chain tensioner

Number	Designation	Engine
		271
BA05.10-P-1002-01F	Bolt of rivet element in timing chain (reference value)	Nm 32

