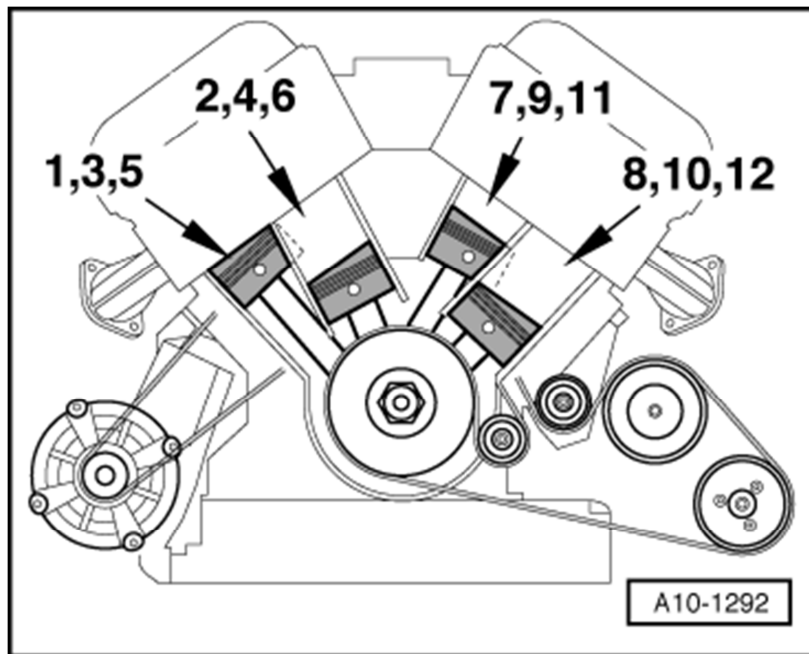


Engine data
W12

Code letters		AZC
Capacity	ltr.	5.998
Power output	kW at rpm	309/6000
Torque	Nm at rpm	550/3500 ... 4750
Bore	Ø in mm	84
Stroke	mm	86.4
Compression		10.75
RON	at least	98 → Note
Injection/ignition system		Motronic
Firing order		1-12-5-8-3-10-6-7-2-11-4-9
Knock control		yes
Secondary air system		yes
Exhaust gas recirculation		No
Variable valve timing		Yes



¹⁾ Unleaded premium RON 95 can also be used, but results in reduced power

Cylinder arrangement on W12 engine

Valve timing → Note for cylinders 1, 3, 5 and 7, 9, 11	
Exhaust and inlet "advanced"	
Inlet opens before TDC	27°
Inlet closes after TDC	183°
Exhaust opens before TDC	235°
Exhaust closes before TDC	20°
Exhaust and inlet "retarded"	
Inlet opens after TDC	25°
Inlet closes after TDC	235°
Exhaust opens before TDC	213°

Exhaust closes after TDC	2°
--------------------------	----

2) At 1 mm valve lift and 0 mm valve clearance

Cylinder arrangement on W12 engine

Valve timing → [Note](#) for cylinders 2, 4, 6 and 8, 10, 12

Exhaust and inlet “advanced”	
Inlet opens before TDC	27°
Inlet closes after TDC	188°
Exhaust opens before TDC	230°
Exhaust closes before TDC	20°
Exhaust and inlet “retarded”	
Inlet opens after TDC	25°
Inlet closes after TDC	240°
Exhaust opens before TDC	208°
Exhaust closes after TDC	2°

3) At 1 mm valve lift and 0 mm valve clearance