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SERVICE INFORMATION

GENERAL

- The engine uses hydraulic valve tappets that eliminate manual valve adjustments.
- The hydraulic tappets have defoaming chambers. Before assembling, fill the chambers with clean engine oil.
- Do not turn the camshaft before installing all camshaft holders and filling the defoaming chambers with engine oil, when you adjust the valve timing.
- Whenever the camshaft is removed, bleed air from the tappets thoroughly (See page 6-20).
- Lubricate the camshaft journals and cam lobes with molybdenum disulfide grease for initial lubrication.
- The exhaust and intake camshaft holders are identified by the respective markings (EXR and EXL, for the exhaust camshaft holders and INR and INL, for intake camshaft holders).

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SPECIFICATIONS

ITEM		STANDARD	SERVICE LIMIT	
Compression pressure		1200 kPa (12 kg/cm ² , 171 psi)	—	
Camshaft	Cam height	IN, EX 32.950 mm (1.2972 in)	32.90 mm (1.295 in)	
	Oil clearance	IN1,2,5,6,EX1,2,5,6	0.020–0.062 mm (0.0008–0.0024 in)	0.12 mm (0.005 in)
		IN3, 4, EX3, 4	0.055–0.097 mm (0.0022–0.0038 in)	0.14 mm (0.006 in)
	Runout	—	0.03 mm (0.001 in)	
Valve spring	Free length	IN, EX Outer	41.70 mm (1.642 in)	40.2 mm (1.58 in)
		IN, EX Inner	36.80 mm (1.449 in)	35.5 mm (1.40 in)
	Preload/ length	IN, EX Outer	29.5–33.5 kg/24.90 mm (65.0–73.9 lb/0.980 in)	—
		IN, EX Inner	12.5–14.5 kg/21.10 mm (27.6–32.0 lb/0.831 in)	—