

5. Camshaft

The DOHC engine uses four camshafts in all; intake and exhaust camshafts on each of the right and left banks.

The camshafts are of a composite material type using sintered steel for cam lobes and carbon steel for pipe part.

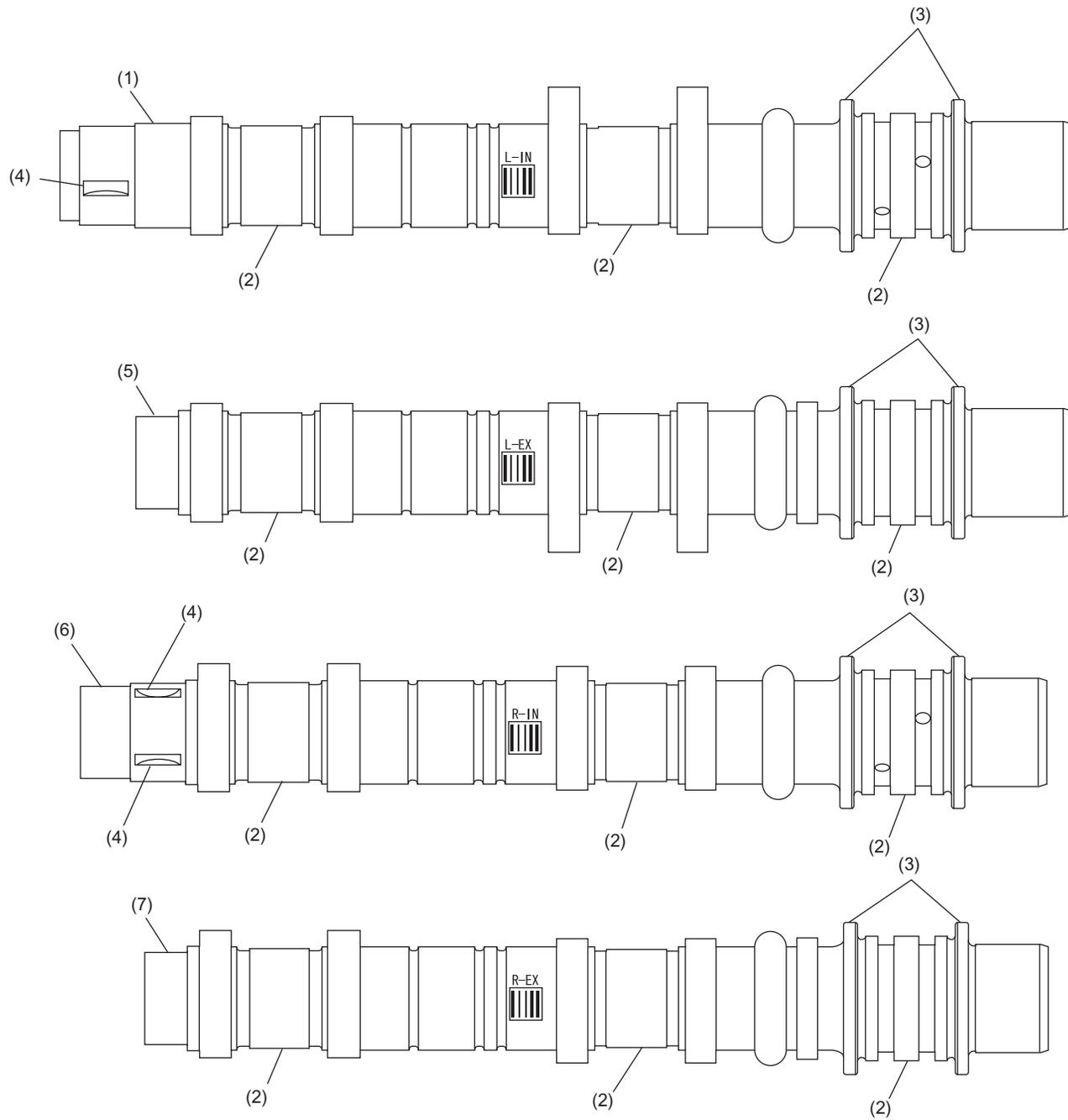
The sintered steel cams are very high in the resistance to wear, which enables the cam lift to be increased. In addition, use of a hollow pipe material contributes to reduction in weight.

Each camshaft is supported at its three journals and held in position by three camshaft caps. The two flanges on each camshaft supports thrust forces to limit the end play of the camshaft within the tolerance.

For DOHC turbo model engines, slots (notches) for variable valve timing position sensors are provided at the intake side.

CAMSHAFT

MECHANICAL



ME-00790

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|--|-------------------------|
| (1) Intake camshaft LH | (5) Exhaust camshaft LH |
| (2) Journal | (6) Intake camshaft RH |
| (3) Flange | (7) Exhaust camshaft RH |
| (4) Slot (notch) for variable timing position sensor | |

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