

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.

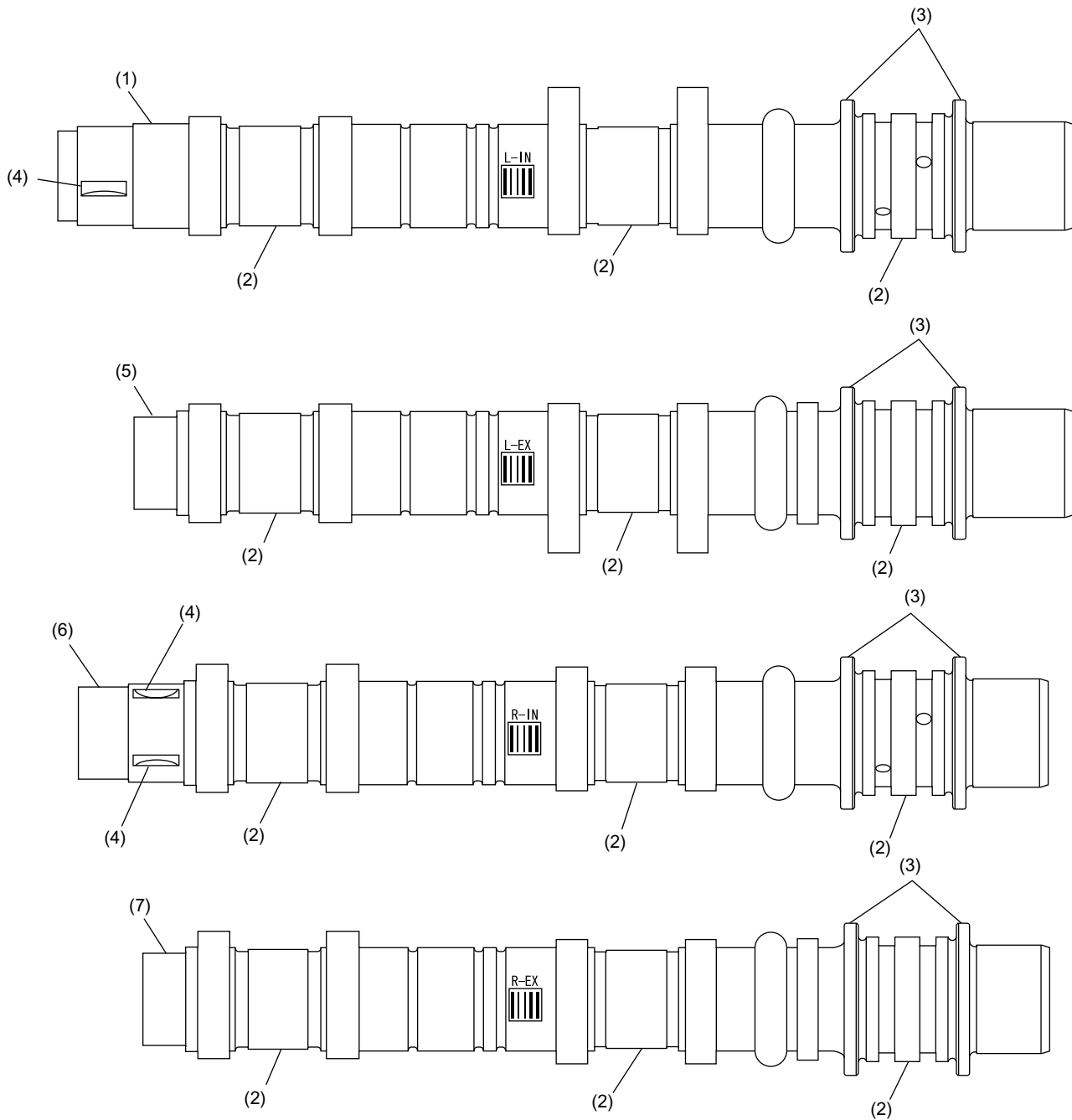
The sintered steel cams are very high in the resistance to wear, which enables the cam lift to be increased. In addition, use of the sintered steel cams contributes to reduction in weight.

Each camshaft is supported at its three journals and held in position by three camshaft caps. Each camshaft has a flange which fits in the corresponding groove in the cylinder head to receive thrust forces generated in the camshaft.

Each intake camshaft has slots (notches) at the rear end for the variable valve timing position sensor.

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 | |