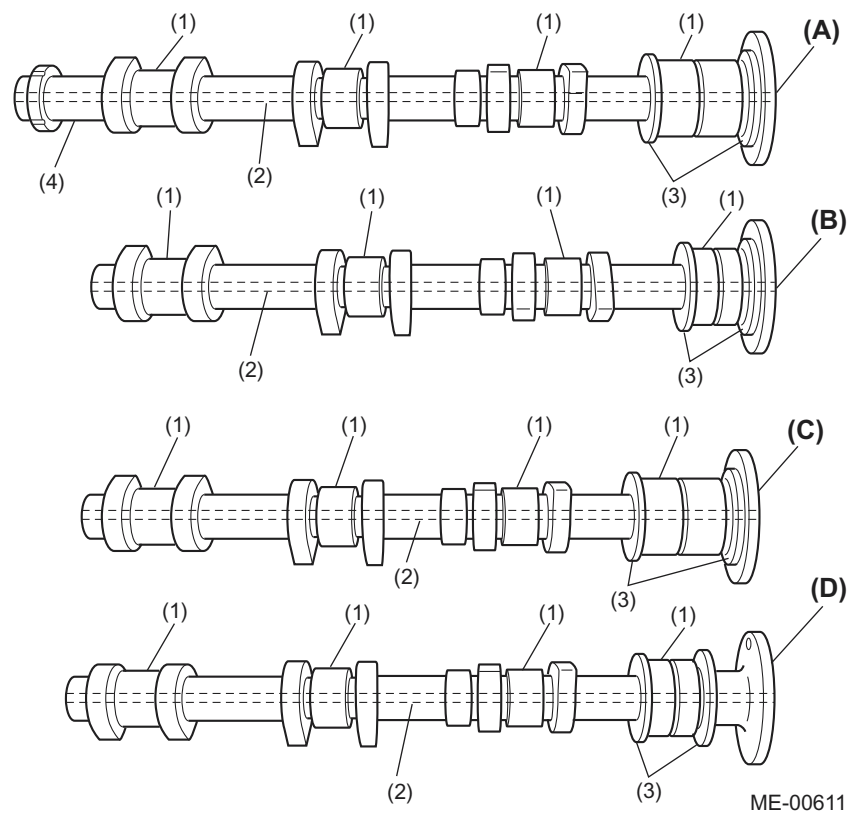


## CAMSHAFT

Mechanical

### 5. Camshaft

- The camshafts are of a composite material type using sintered steel for cam lobes and carbon steel for pipe part (first in Subaru). 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 four journals by the corresponding bearings. The front-most bearing has flanges on its both ends to receive thrust loads that are generated during movement of the camshaft.
- The bearings are lubricated by the oil that enters the passage in each camshaft from the port at the front-end journal and flows out through the hole in each journal.
- The right intake camshaft has at its rear end a flange which is used as an angle sensing wheel by the camshaft position sensor.



- |                                     |                            |
|-------------------------------------|----------------------------|
| (1) Journal                         | (A) Right intake camshaft  |
| (2) Oil passage                     | (B) Right exhaust camshaft |
| (3) Shaft flange                    | (C) Left intake camshaft   |
| (4) Camshaft position sensor flange | (D) Left exhaust camshaft  |