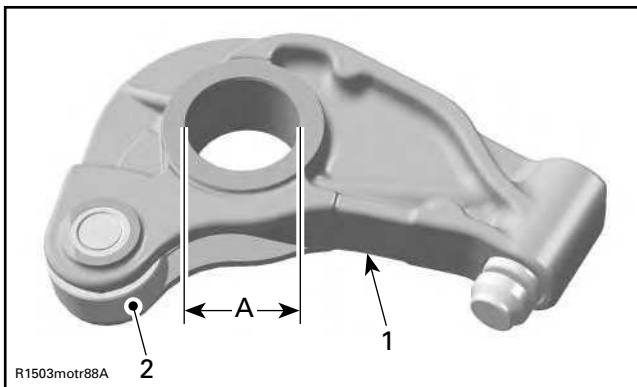


1. Rocker arm (intake side)
2. Roller
A. Bore for rocker arm shaft

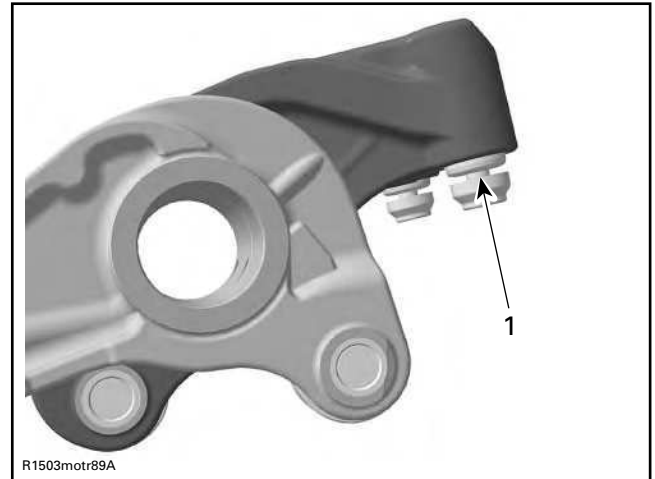


1. Rocker arm (exhaust side)
2. Roller
A. Bore for rocker arm shaft

Measure rocker arm bore diameter. If diameter is out of specification, change the rocker arm assembly.

ROCKER ARM BORE DIAMETER	
NEW MINIMUM	20.007 mm (.7877 in)
NEW MAXIMUM	20.020 mm (.7881 in)
SERVICE LIMIT	20.035 mm (.7887 in)

Press the hydraulic lifter with your thumb. If the hydraulic lifter groove disappears inside rocker arm casting, replace rocker arm assembly. Lifter must turn freely in rocker arm bore. Otherwise, replace.



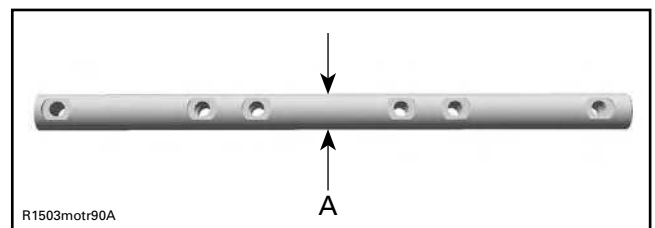
1. Hydraulic lifter groove

Rocker Arm Shaft

Check for scored friction surfaces, if so, replace parts.

Measure rocker arm shaft diameter.

ROCKER ARM BORE DIAMETER	
NEW MINIMUM	19.980 mm (.7866 in)
NEW MAXIMUM	20.007 mm (.7877 in)
SERVICE LIMIT	19.965 mm (.7860 in)



A. Measure rocker arm shaft diameter here

Any area worn excessively will require parts replacement.

Installation

For installation, reverse the removal procedure. Pay attention to the following details.

Apply engine oil on rocker arm shaft.

IMPORTANT: The rocker arm shaft can only be installed in one specific position. Therefore crankshaft as well as camshaft has to be positioned with their locking pins when the piston of cylinder no. 3 is on ignition TDC. Refer to CRANKSHAFT LOCKING in ENGINE BLOCK section for crankshaft and the following for the camshaft locking.