780B
Loader Backhoe

Service Manual

9-69310

CASE CONSTRUCTION

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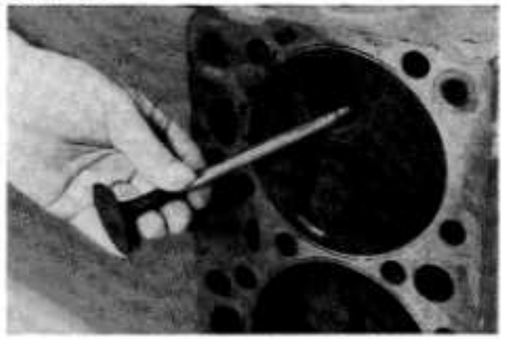
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CYLINDER HEAD ASSEMBLY AND INSTALLATION

STEP 61



Apply lubrication to the valves using clean engine oil and install the valves in the cylinder head.

STEP 62



Install the valve spring seat (flat side down).

STEP 63



Install the valve spring. Either end of the valve spring can be installed in the valve spring seat because both ends of the spring are closed and ground.

NOTE: *See specification details section in this Service Manual for spring specifications.*

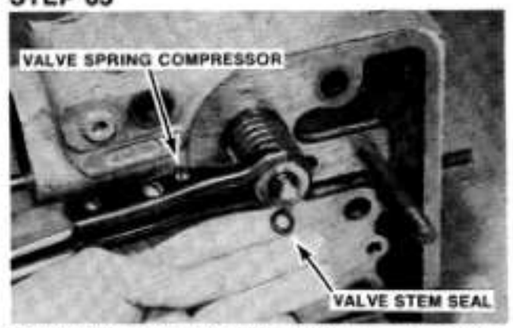
STEP 64



Install the valve rotators (flat side up). Install the valve rotators with the original valves because these parts are worn as counterparts of each other.

IMPORTANT: *Always install new rotators and valve keepers when new valves are installed.*

STEP 65



Push down the valve springs with a spring compressor. Install a new valve seal in the lower valve stem groove.

STEP 66



Install the valve keepers in the upper valve stem groove.

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