



## Service Information System

Previous Screen

Welcome: b375ji

Product: MARINE ENGINE  
 Model: 3406E MARINE ENGINE 9WR01584  
 Configuration: 3406E Marine Engine 9WR00001-UP

### Disassembly and Assembly 3406E Marine Engine

Media Number -SEN1169-03

Publication Date -01/10/2007

Date Updated -18/10/2007

i02110799

## Rocker Arm and Shaft - Install

SMCS - 1102-012

### Installation Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	124-2946	Lifting Bracket	1

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#### NOTICE

**Keep all parts clean from contaminants.**

**Contaminants may cause rapid wear and shortened component life.**

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**WARNING**

**Valve rocker arms and unit injector rocker arms can move on the shaft after the bolts have been removed. The shaft should be kept level when**

**removed from the cylinder head. To avoid possible personal injury, keep fingers clear of the valve rocker arms and the unit injector rocker arms when lifting the assembly from the cylinder head.**

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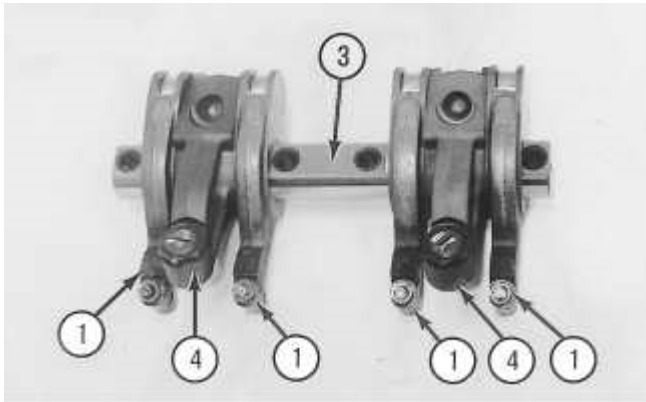


Illustration 1

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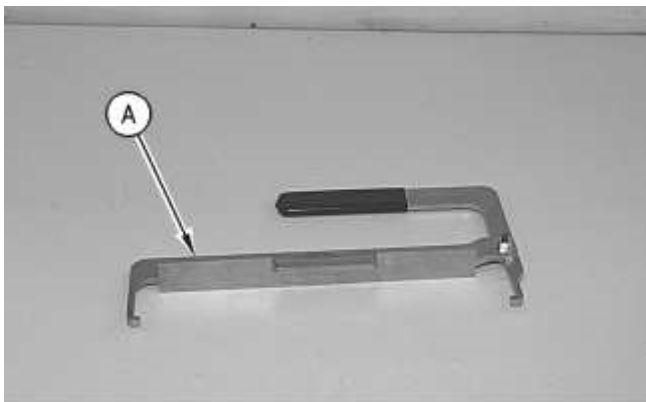


Illustration 2

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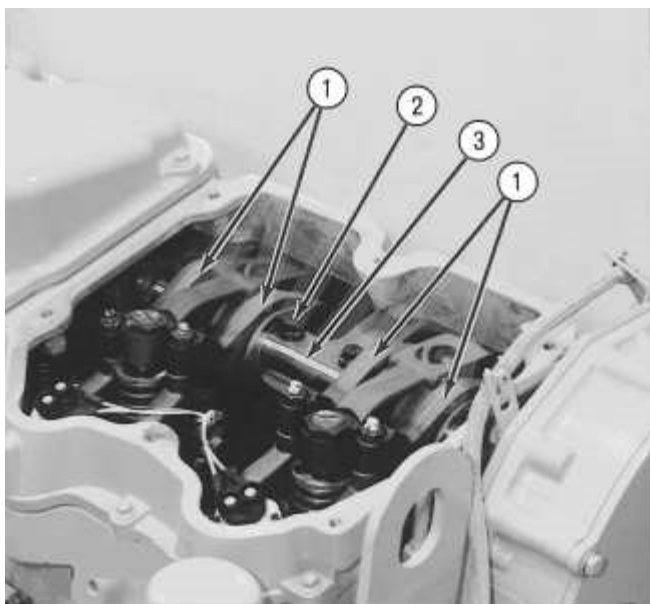


Illustration 3

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1. Install rocker shaft (3), valve rocker arms (1), and unit injector rocker arms (4) as a unit with Tooling (A).

**Note:** Install rocker shaft (3) with the flat side facing upward.

**Note:** If the engine is equipped with a compression brake, skip Step 2.

2. Install bolts (2). Tighten bolts (2) to a torque of  $109 \pm 15$  N·m ( $80 \pm 11$  lb ft).
3. Repeat Steps 1 and 2 for the remainder of the rocker arm assemblies.

#### End By:

- a. Install the compression brake, if equipped. Refer to Disassembly and Assembly, "Compression Brake - Install".
- b. Install the valve mechanism cover. Refer to Disassembly and Assembly, "Valve Mechanism Cover - Remove and Install".