

TSBBWP9228

Tool Needed for Replacing Timing Chain Driven Water Pump 2005-00 Saturn, 2004-03 Saab, 2006-02 Pontiac, 2004-02 Chevrolet 2.0L or 2.2L

**AUTOZONE
PART #:**

BWP-9228

CONDITION:

Replacing this water pump requires a special tool to secure the water pump sprocket. Failure to do so could result in misalignment of the engine's balance shafts or significant engine damage.

CAUSE:

If the sprocket is not secured, the balance shaft weights may rotate the chain and sprocket after the sprocket is unbolted.

CORRECTION:

Remove the water pump access plate from the timing cover and install J 43651 Water Pump Sprocket Holding Tool; or equivalent. Secure tool to the sprocket and front cover, and remove the sprocket bolts. Remove the water pump feed pipe and bolts that secure the pump to the engine block and the front cover. NOTE: It may be necessary to remove the exhaust manifold. Remove the water pump. Reverse this procedure to install being certain to follow the manufacturer's recommended torque values and sequence.

Water Pump Sprocket Holding Tool

Top View



Bottom View



Information provided by:

ASC Industries Inc.