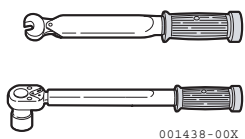


SPECIAL SERVICE TOOLS

Note: The tool numbers used in this section are either Yanmar or IHI part numbers. Yanmar part numbers are referred to as **Yanmar Part No.** and IHI part numbers are referred to as **OEM Part No.** Tools not having part numbers must be obtained locally.

No.	Instrument Name	Application	Illustration
1	Torque Wrench	For tightening nuts and bolts to the specified torque	 001438-00X

WASHING THE TURBOCHARGER BLOWER

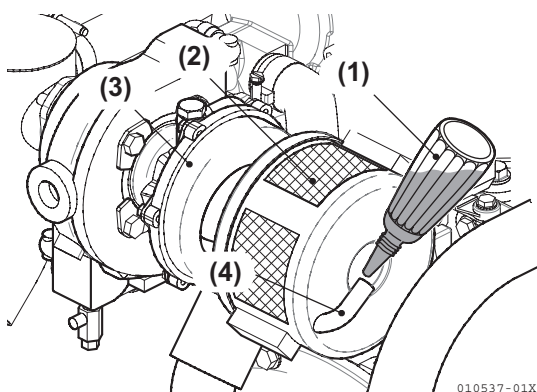


Figure 9-2

- 1 – Blower Wash
- 2 – Intake Silencer
- 3 – Turbocharger
- 4 – Inlet

When engine speed seems sluggish or the exhaust color poor, the blades of the turbocharger blower may be dirty. Wash the blower using the following procedure:

1. Prepare blower wash (liquid detergent), freshwater and a small pitcher.
Blower wash (4L)
Parts code: 974500-00400
2. Put the clutch in neutral and run the engine at high speed, 2500-3000 minimum (rpm).
3. Slowly pour approximately 50cc (1.7 oz) of blower wash into the inlet hole of the intake silencer over a period of about 10 seconds.
4. After about 3 minutes, pour in approximately 50cc (1.7 oz) of freshwater in the same manner over a period of about 10 seconds.
5. After operating the engine for about 10 minutes, check the boost pressure and power output. If there is no improvement after washing the blower, repeat the washing process several times. *NOTICE: Do not pour in a large amount of blower wash at one time. This can damage the blower blades and cause water hammer in the combustion chamber and cause damage.*