



INSTRUCTION BULLETIN

No. 328338
Machine: M20 / T20 /
M30 / S30
Published: 04-2013
Rev. 00

NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in the machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save the cost of ordering an entire kit.

NOTE: Numbers in parenthesis () are reference numbers for parts listed in Bill of Materials.

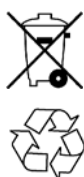
Installation instructions for **kit number 322365**

SYNOPSIS:

This kit contains the parts needed to replace the PCV grommet on M20 / T20 / M30 / S30 machines equipped with Mitsubishi engines.
Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 30 minutes)



PROTECT THE ENVIRONMENT

Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe manner according to local waste disposal regulations.

Always remember to recycle.

PREPARATION:

1. Park the machine on a clean level surface, turn off the machine, set the parking brake, and remove the key.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, set parking brake, and remove key.

INSTALLATION:

1. Open all shrouds necessary to access the top of the engine where the PCV valve is located. (Fig. 1)

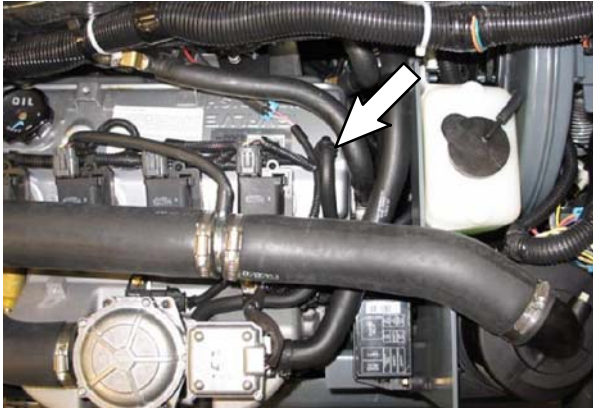


FIG. 1

2. Unplug the PCV valve from the engine. Remove and discard the washer (if equipped). (Fig. 2)

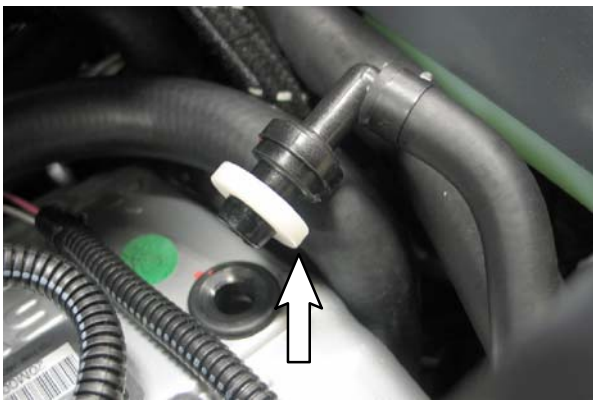


FIG. 2

3. Remove the existing PCV grommet (thin top) from the engine. Discard the removed PCV grommet. (Fig. 3)



FIG. 3

4. Install the new grommet (thicker top) into the engine, then install the PCV valve into the grommet. (Fig. 4)



FIG. 4

INSPECTING FOR OIL LEAKS:

1. Open the engine shroud and inspect the oil filter adaptor fittings for leaks and tightness. (Fig. 5)

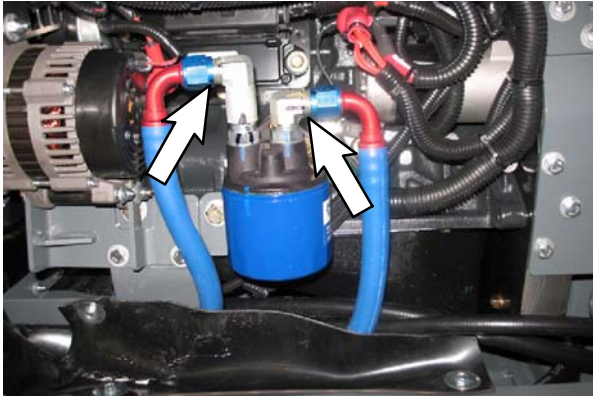


FIG. 5

2. **M20/M30/T20 only:** Remove the access panel on the lower left side of the operator station. Inspect the oil adaptor plate, hoses, plug, and fittings for leaks. (Fig. 6 / Fig. 7)

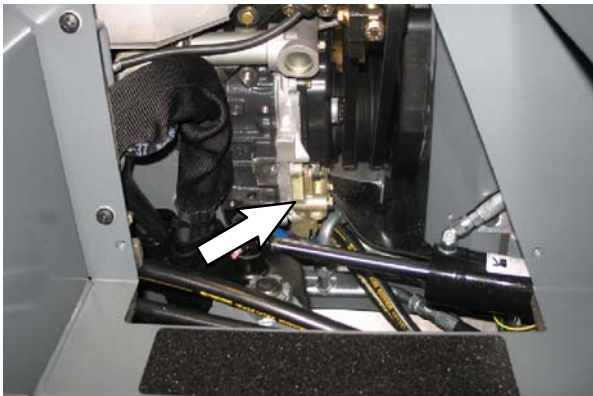


FIG. 6

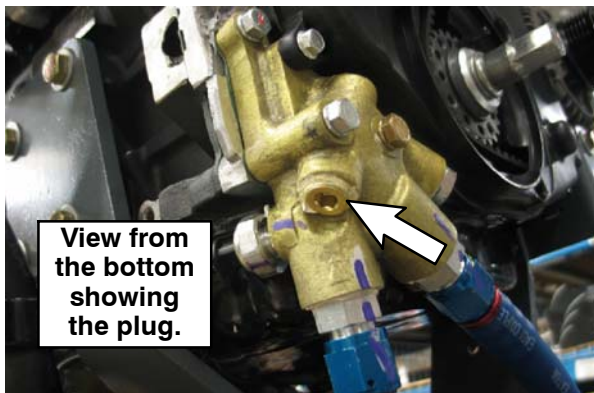


FIG. 7

S30 only: Open the rear engine shrouds. Items to be inspected are located behind the left shroud. Inspect the oil adaptor plate, hoses, plug, and fittings for leaks. (Fig. 8)



FIG. 8

3. Tighten any loose hoses / fittings. (Fig. 6 / Fig. 7 / Fig. 8)
4. Check the engine oil level. Add oil as necessary.
5. Start and test engine.

Bill Of Materials For CS, Valve Kit, [M20/T20/M30/S30] CI - 322365



	Ref.	Tennant Part No.	Description	Qty.
▽		322365	CS, Valve Kit, [M20/T20/M30/S30] CI	1
▲	1	315253	CS, VR, Valve, Gasket, PCV	1

TENNANT COMPANY
P. O. Box 1452
Minneapolis, MN 55440-1452