RUTHZIL TRATOR COMERCIAL DE PEÇAS LTDA 11 97083-6812 ROLANDO CITRANGULO

CATERPILLAR

CAT

3304/3306.

3304-2B4364, 4B6032-UP.

3306-23C740-UP, 66D8891-UP

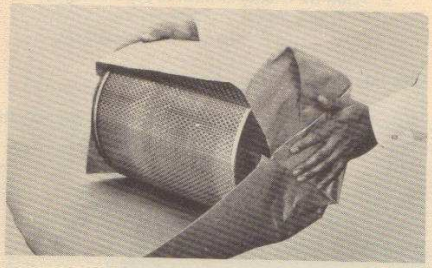
MOTOR INDUSTRIAL.

AJUSTE DE VALVULAS

UN OBSEQUIO PARA MI GRUPO DE **MOTORES DIESEL**, PONGALE LA ESTRELLA *****

Storing Cleaned Elements

1. Wrap usable elements in heavy paper.

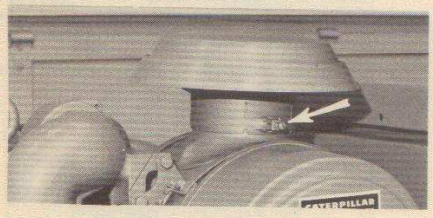


2. Store the wrapped element in a dry, clean place.

DUST COLLECTOR CAP

Servicing Dust Collector Cap

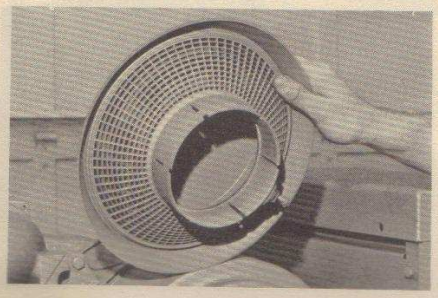
1. Remove the cap from the air cleaner inlet.



2. Clean the bottom grill using pressure air (maximum 30 psi – 2.0 kg/cm^2), or low sudsing detergent and water. Install the cap.

WARNING

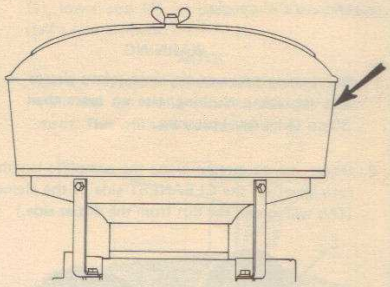
Protective eye glasses must be worn when using pressure air.



PRECLEANER

Servicing Precleaner Dust Collector Body

When the precleaner body is 3/4 full:

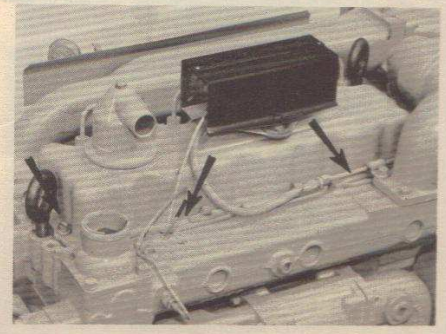


1. Loosen the wing nut and remove the cover.
2. Remove the precleaner body.
3. Empty the dust. If necessary, wash the precleaner body in low sudsing detergent and water.
4. Assemble the body and cover.

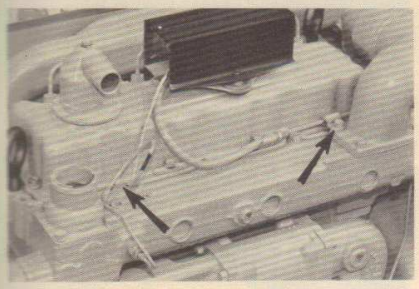
VALVE LASH

Checking and Adjusting Valve Lash

1. Stop the engine.
2. Clean the top of the cylinder head and the base of the valve cover.



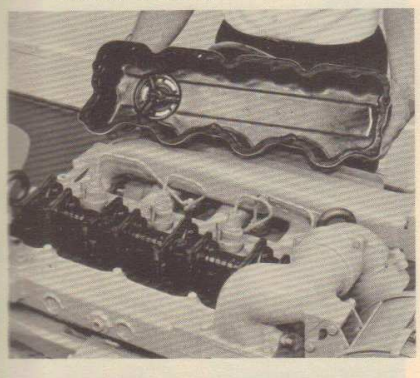
3. Remove the brackets holding the lines to the instrument panel gauges.



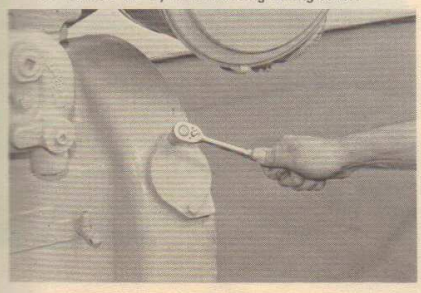
4. Remove the valve cover.

CAUTION

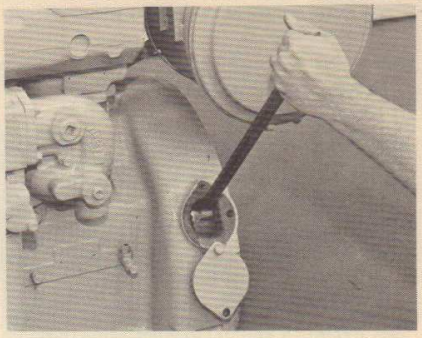
Keep dirt from falling inside the engine block or into the valve mechanism, as the valve cover is removed.



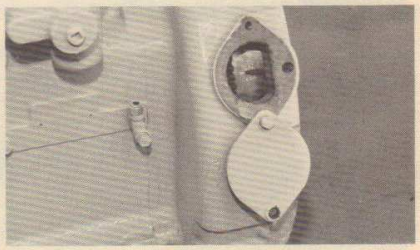
5. Remove the flywheel housing timing cover.



6. Bar the flywheel in the direction of normal rotation.



7. Align the "TC–1" timing mark with the flywheel housing timing pointer.



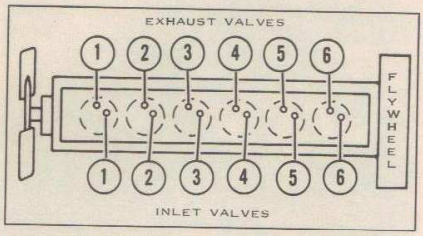
8. Check the No. 1 cylinder rocker arms for movement. Determine if the piston is on COMPRESSION OR EXHAUST STROKE.



NOTE

COMPRESSION STROKE: Both inlet and exhaust valve rocker arms can be easily moved with finger pressure.

EXHAUST STROKE: Only inlet valve rocker arm can be moved freely with finger pressure.



(3306 shown, 3304 is similar)

CYLINDER AND VALVE IDENTIFICATION

9. Refer to the tables below, and set only those valves specified in the appropriate table:

COMPRESSION STROKE

VALVES	CYLINDERS	
	3304	3306
INLET	1–2	1–2–4
EXHAUST	1–3	1–3–5

EXHAUST STROKE

VALVES	CYLINDERS	
	3304	3306
INLET	3–4	3–5–6
EXHAUST	2–4	2–4–6

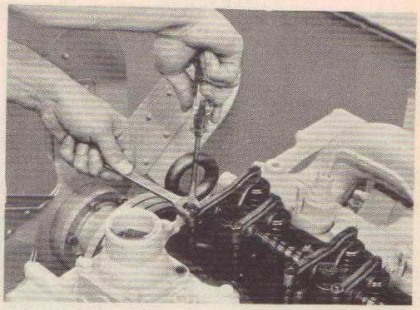
10. Bar the flywheel one revolution in the direction of normal rotation and align the flywheel "TC–1" timing mark.

11. Check the movement of the rocker arms for cylinder No. 2.

12. Set the remaining valves as specified in the remaining table.

Setting Valve Lash

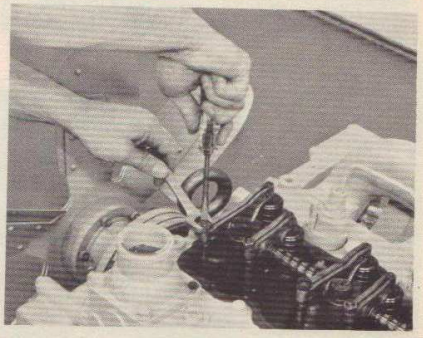
1. Loosen the locknut on the adjusting screw.



2. Turn the adjusting screw to obtain the proper lash.
   Exhaust lash = .025" (0,69 mm)
   Inlet lash = .015" (0,38 mm)



3. Hold the adjusting screw and tighten the locknut.



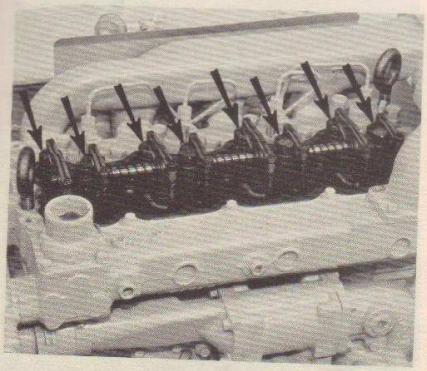
4. Recheck the lash.



Checking Valve Rotation

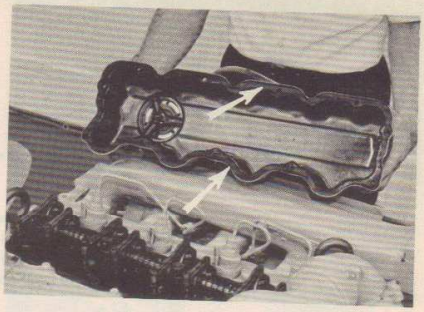
After checking valve lash, and before installing the valve cover:

1. Start the engine.
2. Move the governor control to low idle position.
3. Watch the serrations on each valve retainer. Each valve retainer should turn slightly each time the valve closes.

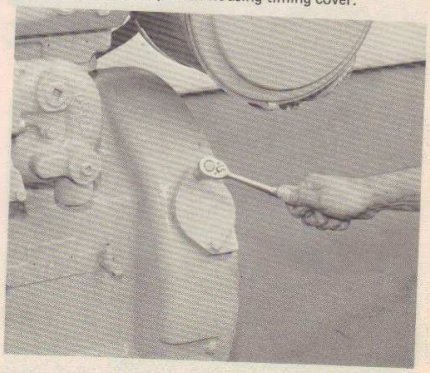


If a valve retainer fails to rotate, call your Caterpillar dealer.

4. Stop the engine.
5. Inspect the valve cover gasket. Install a new gasket if necessary.



6. Install the valve cover.
7. Install the flywheel housing timing cover.



POR FAVOR VALOREN Y OPINEN SOBRE ESTE APORTE