VALVE ADJUSTMENT

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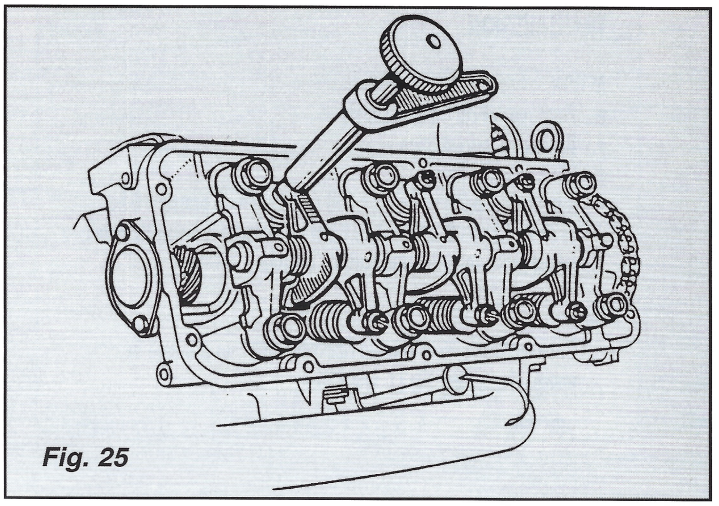


Fig. 25

Here are two methods for adjusting the valves in our engines. To get to the valves...

1) Remove high tension lead from coil so engine will not start.

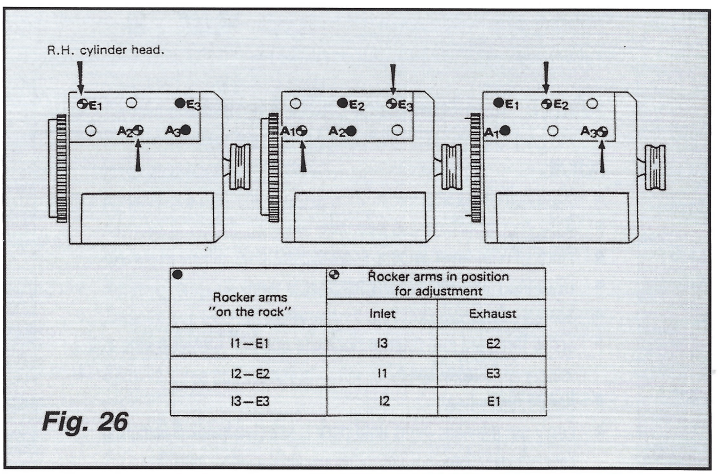
2) At left side of engine cover:
   a) remove the air conditioning belt, also the compressor including brackets and wiring
   b) remove the oil filter cap and hose
   c) remove the two Allen head bolts holding the warm-up regulator and swing it out of the way. DO NOT REMOVE THE FUEL LINES.
   d) remove the valve cover.

3) At right side of engine valve cover:
   a) remove air cleaner
   b) remove the 10 mm bolt holding the frequency valve from the cover. DO NOT REMOVE THE FUEL LINE.
   c) remove the valve cover.

Adjust the valves using either of the following methods.

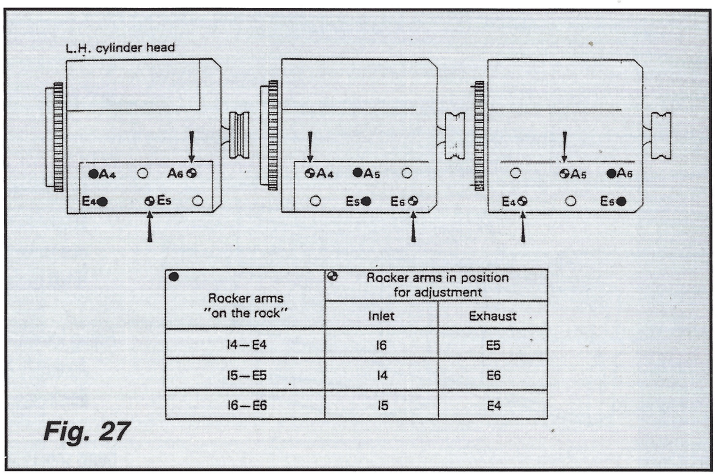
The second method is the easiest.

ADJUSTING ROCKER ARM CLEARANCES
Clearances with engine cold
Inlet: 0.10 (.004")
Exhaust: 0.25 (.010")



Rocker arms "on the rock"	Rocker arms in position for adjustment	
	Inlet	Exhaust
I1—E1	I3	E2
I2—E2	I1	E3
I3—E3	I2	E1

Fig. 26



Rocker arms "on the rock"	Rocker arms in position for adjustment	
	Inlet	Exhaust
I4—E4	I6	E5
I5—E5	I4	E6
I6—E6	I5	E4

Fig. 27

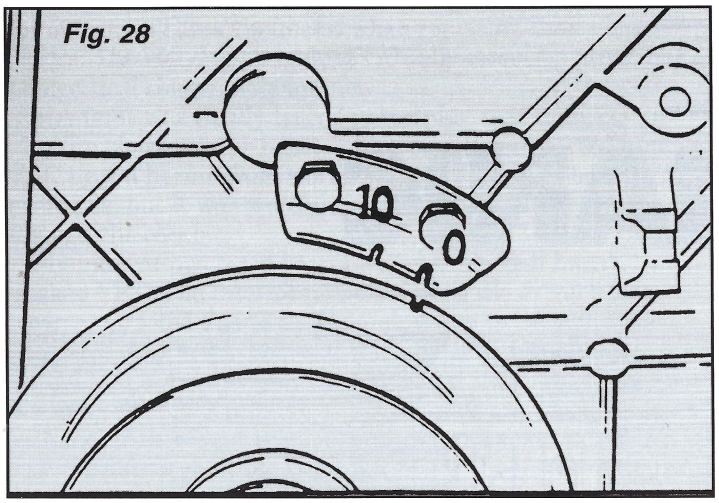


Fig. 28

Cylinder No. 1 on T.D.C. Firing Stroke	Adjust	
	Inlet	Exhaust
	I1	E1
	I2	E3
	I4	E6

Cylinder No. 1 on T.D.C. "End of Exhaust – commencement of inlet"	Adjust	
	Inlet	Exhaust
	I3	E2
	I5	E4
	I6	E5

FIRST METHOD:

Adjust the rocker arms on each cylinder head in turn (see figures 25, 26, 27).

SECOND METHOD:

1. Set the piston in No. 1 cylinder to T.D.C. (mark the grooves with paint or chalk) firing stroke. Set the timing mark on the crankshaft pulley opposite point (O) on timing cover (see figure 28)

2. Starting from position 1, turn the crankshaft one complete turn (360°) which corresponds to T.D.C. "End of Exhaust — commencement of inlet on cylinder No. 1"
   Cylinder No. 1 rocker arms "on the rock".
   Timing mark (O) on the crankshaft pulley opposite pointer (A) on timing cover

To reassemble after completing the valve adjustment...

4) Replace covers in reverse order using new cover gaskets. Left is part No. 102256; Right is part No. 102249.