

Finding TDC on 3 cylinder Engines

- Head should be retorqued before valves are set
- Ensure fuel shut off is in **OFF** position on Injection pump
- Remove tappet cover
- Find pointer on crank pulley
- Watch #1 exhaust and intake valves while rotating engine clockwise
- When exhaust valve begins to close and intake begins to open (ROCKING POSITION)..rock engine back and forth to find the middle
- Mark crankshaft pulley with permanent marker #1
- Rotate 360 degrees – 1 complete turn – back to mark on crank pulley
- Set #1 exhaust and intake valves
- Watch #2 exhaust and intake valves while rotating engine clockwise
- When exhaust valve begins to close and intake begins to open (ROCKING POSITION)..rock engine back and forth to find the middle
- Mark crankshaft pulley with permanent marker #2
- Rotate 360 degrees– 1 complete turn– back to mark on crank pulley
- Set #2 exhaust and intake valves
- Watch #3 exhaust and intake valves while rotating engine clockwise
- When exhaust valve begins to close and intake begins to open (ROCKING POSITION)..rock engine back and forth to find the middle
- Mark crankshaft pulley with permanent marker #3
- Rotate 360 degrees– 1 complete turn– back to mark on crank pulley
- Set #3 exhaust and intake valves