

Replace A Cars Piston Rings

Tools Checklist



Basic Tools list

- Screwdriver set
- Rubber Mallet
- Basic ratchet and socket set (socket sizes ranging 8mm to 21mm)
- Flat hand file
- An electronic hand drill (for honing the cylinder bores)
- Axle Stands (or a ramp if you have access to one)
- A hydraulic car Jack
- A long Pry Bar
- Liquid Paint Marker (for marking engine components)
- Engine Degreaser (and a rag)
- Instant Silicone Gasket (can't go wrong with [Wynn's Gasket Sealant](#))

Specialised tools Needed

- Cylinder Bore honing tool
- Torque Wrench (preferably a 3/8 inch drive)
- Piston ring grinding tool

Tools Checklist



- Engine Assembly Lubricant
- Crankshaft [Pulley Holding Tool](#)
- Feeler Gauge (minimum of **.001"** or in layman term 1 thousandth of an inch)
- [Thread Chaser](#) (different to a thread tap)
- A Mechanics Machined Straight Edge
- Piston ring Compressor Clamp
- Dial Or Bore Gauge (to test the roundness of cylinder bores)

Non-essential, But Super Helpful tools

While it's possible to complete this job without the following tools, I would highly suggest you have them.

An impact wrench will make easy work of large seized bolts, and a breaker bar will provide higher leverage, more control, and improved accuracy.

- Impact Wrench + Impact Sockets Set ([Dewalt 900](#) is the best for regular DIYers in my opinion)
- 1/2 inch Breaker Bar ([link to Amazon listing](#))
- Electrical clip separator tool ([link to Amazon listing](#))