

GM LS series Pedestal Stand Rocker Arm System Installation Instructions

JEG-20957 Parts List	
GM LS1/LS2 Series Gen III - Standard Valve Spacing	
Parts	Quantity
<i>1.70 Ratio Intake & Exhaust Rocker Arms</i>	16
<i>M8-1.25 x 50 Grade 12.9 Socket Head Machine Screws</i>	16

JEG-20959 Parts List	
Gm LS3/L92 Series gen III - offset intake valve	
Parts	Quantity
<i>1.70 Ratio Exhaust Rocker Arms</i>	8
<i>1.70 Ratio Intake Rocker Arms</i>	8
<i>M8-1.25 x 50 Grade 12.9 Socket Head Machine Screws</i>	16

OEM Pedestal Stand Rocker Arm System Preparation:

Please read these instructions carefully before beginning your installation.

- 1) Confirm that all parts are included by comparing to the parts list.
- 2) Make certain that you have all the tools necessary to complete the project.
- 3) Assembly lube and/or lubricating oil should be readily available for installation.

IMPORTANT: Installation of these rocker arms may require minor modification to your OEM valve covers and breathers, or valve cover spacers, or aftermarket valve covers to provide adequate clearance for this replacement rocker arm system. These rocker arms **DO NOT** meet CARB standards and not approved as OEM replacement for street use!

OEM Pedestal Stand Rocker Arm System Installation:

- 1) Remove the three (3) plastic engine covers.
- 2) Remove ignition coil packs and wires.
- 3) Remove both valve rocker arm covers. (*Take care not to let any dirt or other residue fall from the top of the valve covers into the cylinder heads.*)

- 4) To simplify turning the engine over by hand, remove all 8 spark plugs from the engine.
- 5) Rotate the crankshaft until the number one piston is at TDC (top dead center) of the compression stroke.
 - a. Cylinders 1,3,5 and 7 are (driver side) left bank
 - b. Cylinders 2,4,6 and 8 are (passenger side) right bank.
- 6) While the engine is in the number one firing position, remove the exhaust valve rocker arm bolts 1, 2, 7 and 8. Remove the intake rocker arm bolts 1, 3, 4 and 5.
- 7) Next, clean and lubricate rocker arms and flange of the rocker arm bolts with clean engine oil.
- 8) Install the new rocker arms with the socket head machine screws in place of the stock rocker arms removed in step 6. **NOTE: Rocker System PN: JEG-20959 Intake Rockers are "offset" design. Make certain roller tips align correctly with valve stem.**
- 9) Wipe the machine screw threads with a dry cloth and apply threadlocker included on the new rocker arm machine screws before installing.
- 10) Tighten the new rocker arm bolts to 25 lbs. ft.
- 11) Rotate the crankshaft 360 degrees.
- 12) Remove the exhaust valve rocker arm bolts 3, 4, 5 and 6. Remove the intake valve rocker arm bolts 2, 6, 7, and 8.
- 13) Install the new rocker arms using the hardware provided, in place of the OEM rocker arms removed.
- 14) Wipe the machine screw threads with a dry cloth and apply threadlocker included on the new rocker arm machine screws before installing.
- 15) Torque the rocker arm bolts to 25 lbs. ft.
- 16) Install the aftermarket spacers, modified OEM, or aftermarket valve covers, making certain that there is adequate clearance for rocker arm operation. Tighten bolts on valve cover to 12 Nm (106 lbs. inch).
- 17) Install the spark plugs, wires, coil packs and plastic covers back onto the engine.
- 18) The installation of the rocker arms is complete.