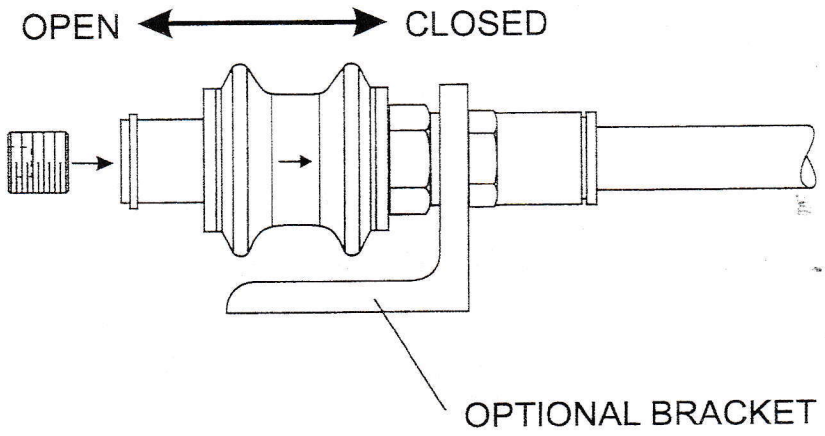
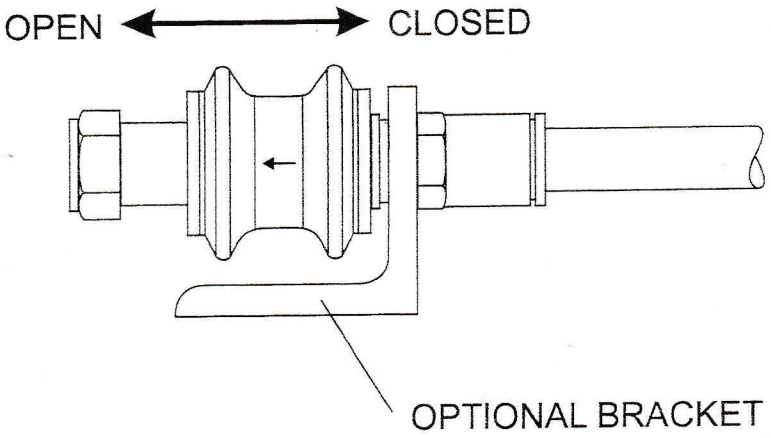
SHIFNOID LEAN OUT VALVE DIAGRAM

FOR a PC3000 LEAN OUT VALVE
or a PC3100 LEAN OUT VALVE WITH BRACKET

MINIMUM FLOW



MAXIMUM FLOW



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PC3000 / PC3100
ENGINE LEAN OUT KIT

KIT INCLUDES:

10' OF 1/2" AIR LINE
INDUSTRIAL TWO WAY AIR VALVE, 3/8" NPT PLUG
(2) 3/8" NPT TO 1/2" LINE QUICK CONNECT FITTINGS
*OPTIONAL BRACKET INCLUDED WITH PC3100

INSTALL ONE QUICK CONNECT FITTING INTO THE INTAKE SYSTEM. NORMALLY THE MANIFOLD OR IN A SPACER PLATE UNDER THE CARBURETOR. MANY OEM INTAKES WILL HAVE PLUGGED, THREADED HOLES ALREADY INSTALLED. THE QUICK CONNECT FITTING CAN BE ADAPTED AS NEEDED. BE SURE TO HAVE A TIGHT SEAL AROUND THE THREADS.

MOUNT THE AIR VALVE IN A LOCATION READILY AVAILABLE TO THE DRIVER.

THERE ARE TWO WAYS TO INSTALL AND USE THE VALVE. FOR MINIMUM AIR FLOW, INSTALL THE VALVE WITH THE ARROW ON THE VALVE POINTING TOWARD THE ENGINE AND INSTALL THE SUPPLIED PLUG IN THE OTHER END. (Top Diagram)

FOR MAXIMUM AIR FLOW, INSTALL THE VALVE WITH THE ARROW POINTING AWAY FROM THE ENGINE AND DO NOT USE THE PLUG. (Bottom Diagram)

INSTALL A QUICK CONNECT FITTING INTO THE ENGINE SIDE OF THE VALVE, WITH THE BRACKET BETWEEN THE TWO, IF SUPPLIED, AND PUSH THE AIR LINE INTO BOTH FITTINGS.

BE SURE TO HAVE A TIGHT SEAL ON ALL THREADS. THE APPLICATION OF THREAD SEALING TAPE MAY BE NEEDED.

TO LEAN THE ENGINE FOR WARM UP, OPEN THE VALVE TO ALLOW AIR TO FLOW. BE SURE TO CLOSE THE VALVE AFTER WARMUP. DO NOT LEAVE THE VALVE OPEN FOR EXTENDED TIME PERIODS, OR WHILE RACING, AT HIGH RPM, OR WHILE THE ENGINE IS UNDER A LOAD. TO PREVENT OVERHEATING, CLOSELY MONITOR THE ENGINE TEMPERATURE WHEN THE VALVE IS OPEN. A ENGINE THAT IS RUNNING TOO LEAN COULD BE DAMAGED OR DESTROYED.