



# GP310S STAINLESS HEADER

**2003 DODGE HEMI 2500HD 5.7L 2/4WD**

**GIBSON HEADERS ARE 50 STATE SMOG LEGAL**

*Thank you very much for purchasing our Gibson header  
for your vehicle.*

*If you need further assistance, please  
do not hesitate to call our Technical  
Department at (800) 528-3044  
Monday through Friday  
8:00 a.m. to 5:00 p.m. PST.*

*1270 WEBB CIRCLE CORONA, CA 92879  
0904*

WHEN THESE INSTRUCTIONS ARE FOLLOWED PRECISELY, YOU WILL FIND THE INSTALLATION OF YOUR EXHAUST SYSTEM TO BE RELATIVELY SIMPLE. WE CANNOT OVER EMPHASIZE THE IMPORTANCE OF ADHERING STRICTLY TO THIS PROVEN APPROACH, AS IT WILL VIRTUALLY ELIMINATE ANY DIFFICULTIES WHICH YOU MIGHT OTHERWISE ENCOUNTER.

DUE TO RESTRICTED ROOM IN THE ENGINE COMPARTMENT, YOUR HEADERS MAY COME CLOSE TO CERTAIN BODY AND CHASSIS COMPONENTS. THIS IS A NORMAL CONDITION FOR AN INSTALLATION OF THIS TYPE. MAKE CERTAIN YOU HAVE ENOUGH CLEARANCE AROUND BRAKE, FUEL, AND ELECTRICAL LINES, ETC. IN SOME CASES, IT MAY BE NECESSARY TO RELOCATE ITEMS WHICH MIGHT BE ADVERSELY AFFECTED BY EXHAUST HEAT.

**WARNING:** INSTALLATION OF ANY TYPE OF “HEAT WRAPPING” MATERIAL ONTO THE HEADERS WILL DESTROY THE HEAT DISSIPATION PROPERTIES OF THE TUBING. THIS WILL CAUSE PREMATURE DETERIORATION OF THE METAL AND SUBSEQUENT FAILURE. USE OF ANY “HEAT WRAPPING” WILL VOID THE WARRANTY.

## SUGGESTED TOOLS

10MM SOCKETS (SHALLOW AND DEEP)

12MM, 13MM WRENCHES (VARIOUS LENGTHS)

5/8" SOCKETS (SHALLOW AND DEEP)

3", 6", AND 12" EXTENTIONS FOR SOCKETS

SCREWDRIVERS AND/OR NUT DRIVERS (FOR HOSE CLAMPS)

SAWZALL (HAND –HELD POWER HACK SAW)

LUG NUT WRENCH

JACK STAND

GOOD RUST PENETRANT

# GP310S HEADER INSTRUCTIONS



STARTING WITH THE REMOVAL OF STOCK MANIFOLD. REMOVE POSITIVE BATTERY CABLE IN THE ENGINE COMPARTMENT. NOW STARTING WITH THE DRIVERSIDE, REMOVE DRIVERSIDE HEADPIPE AND THEN REMOVE STARTER. FOR EASIER REMOVAL OF STOCK MANIFOLD AND INSTALLATION OF GIBSON HEADERS NOW REMOVE STOCK MANIFOLD AND HARDWARE MAKING SURE TO CLEAN HEAD SURFACE OF ANY DEBRIS, BEFORE INSTALLATION OF GIBSON HEADER.



INSTALL DR. SIDE GASKET WITH FOUR BOTTOM BOLTS AND WASHERS LEAVING AT LEAST 3/8" OF A GAP FROM CYLINDER HEAD FOR EASY INSTALLATION OF HEADER. NOW INSTALL GIBSON HEADER AND REMAINING HARDWARE TORQUING FASTENER TO 30 TO 35 FT. OF TORQUE. NOW INSTALL STARTER ON VEHICLE.



NOW STARTING ON PASS. SIDE FOR REMOVAL OF PASS. SIDE HEADPIPE. YOU WILL NEED TO MEASURE 3 1/2" INCHES FROM CENTER OF BEND AND CUT WITH A HACKSAW OR SAWZALL SHOWN ON PICTURE. MAKE SURE TO DEBURR INSIDE OF REMAINING STOCK HEADPIPE.



NOW AFTER PASS. SIDE HEADPIPE IS REMOVED. START REMOVING SHIELD, MANIFOLD, AND ALL STOCK HARDWARE. AFTER MANIFOLD IS REMOVED CLEAN HEAD SURFACE OF ANY DEBRIS ON CYLINDER HEAD. FOR EASIER INSTALLATION OF GIBSON HEADER.



INSTALL SUPPLIED EXHAUST GASKET AND BOLTS ON THE FOUR BOTTOM HOLES ONLY, LEAVING AT LEAST 3/8" OF A GAP FOR INSTALLATION OF GIBSON HEADER. NOW INSTALL GIBSON HEADER AND THE REST OF HARDWARE TORQUING TO 30 TO 35 FT. OF TORQUE.



NOW INSTALL PASS. SIDE HEADPIPE ON VEHICLE. NOTICE NOT TO TIGHTEN HARDWARE JUST YET. NOW WITH DR. SIDE INSTALL GIBSON HEADPIPE AND SUPPLIED GASKET USING STOCK FLANGE, MOUNT HARDWARE. BEFORE TIGHTENING HARDWARE CHECK FOR PROPER CLEARANCE. NOW INSTALL SUPPLIED 2 1/4" CLAMP ONTO PASS. SIDE HEADPIPE AND TORQUE DR. SIDE & PASS. SIDE HEADPIPE TO 30 TO 30 FT.



NOW INSTALL SUPPLIED HEAT-WRAP ON PASSANGER SIDE HEATER HOSES ABOVE HEADER USING HEAT WRAP AND WIRE TIES. THIS WILL HELP PREVENT HEATER HOSES FROM MELTING. MAKE SURE TO DOUBLE CHECK THAT ALL FASTENERS ARE TIGHT AND HEATER HOSES ARE PROTECTED BEFORE STARTING UP YOU VEHICAL.

START ENGINE AND LET WARM UP. CHECK FOR LEAKS! SHUT ENGINE OFF. LET ENGINE COOL DOWN. CHECK TO MAKE SURE ALL FASTENERS ARE TIGHT. RETORQUE HEADER BOLTS AFTER 200-300 MILES. ATFER THE 200-300 MILE RETORQUE, YOU SHOULD CHECK THEM PERIODICALLY. A GOOD IDEA WOULD BE TO CHECK THEM EVERYTIME YOU CHANGE YOUR OIL. THIS WILL ENSURE THAT YOUR GIBSON HEADERS WILL LAST A LONG TIME.

### HEADER PARTS LIST

- (1) 4" WIDE X 10" LONG HEAT WRAP PT#14034
- (4) 8" LONG STAINLESS WIRE TIES PT#14035
- (17) 8MM BOLTS PT# 3529
- (17) STAR WASHERS PT. # 225
- (4) 3/8" BOLTS PT. # 345
- (8) 3/8" FLAT WASHER PT. # 9565
- (4) 3/8" LOCK WASHER PT. # 9033
- (4) DR. SIDE HEADPIPE GASKET PT. # 9005
- (1) 2 ¼" CLAMP PT. # 5756
- (4) 3/8" NUTS # 5057