Head Stud Measurement Sheet

Name _____

Email _____

Phone/Fax _____

Date _____ ARP Question #_____

Engine Specs _____

Block Mfr./Model _____

Year _____ ❑ cast iron ❑ aluminum

Head Mfr./Model _____

Year _____ ❑ cast iron ❑ aluminum

RECOMMENDED TOOLS

1) a properly calibrated caliper that will measure internal and external diameters, as well as depth.

2) Some modern heads have recessed spot faces and may require extended tip internal calipers for B and D.

3) an SAE or metric thread gage.

HINTS

At least one head should be removed from the engine and placed on a flat surface.

Repeat to ensure accurate measurements.

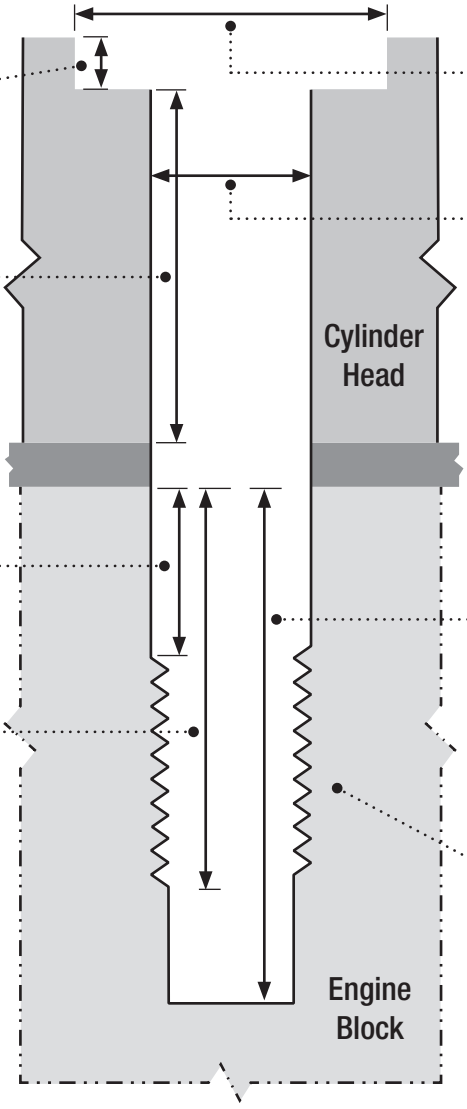
All holes should be checked to determine if all are the same. Use separate copies of this sheet as needed.

List all inch measurements to 3 decimal places (X.XXX) and all mm measurements to 1 decimal place (YYY.Y)

Take a photo of completed form and attach to this email of fax completed form to 805.650.0742

Total Hole Count _____ **Holes with these dims** _____

Sheet _____ **of** _____ **for this engine**



Head Counterbore Depth

A

use depth gauge

Stud/Bolt Hole Depth

C

from bottom of counterbore to bottom of head - use depth gauge with head on a flat, solid surface

Thread Start Depth

F

from deck to start of threads - use the depth rod to measure to the top of threads

Thread Stop Depth

G

from deck to bottom of threads - use the depth bar to extend to the bottom of the threads

Calculated Thread Length

J

subtract F from G

Head Counterbore/Spot Face Width

B

Stud/Bolt Hole Diameter

D

use an internal or extended tip internal calipers

Head Gasket Thickness

E

measure the thickness of the gasket

Block Hole Depth

from deck to bottom of hole

H

clean any debris from bottom of hole, use the depth rod to extend to the bottom of the hole, take several measurements

Thread Size & Pitch

I

use an SAE or metric thread gauge on the bolt threads if you do not have extended thread gauges

Original Bolt Info optional

Underhead Length _____ **Head Height** _____ **Collar Diameter** _____

are there any clearance issues around the bolt head?