

30-Apr-12 **EXHAUST LENGTH CALCULATION FOR 4 INTO 1 SYSTEMS.**

OWNER:		Kevin B
CAR:		Renault R10
ENGINE:		1400 Sierra
BORE:		76
STROKE:		77
CAPACITY:		1396.52
CYLINDERS:		4
NOTE:		ENTER VALUES ONLY IN CELLS POINTED AT !!!!

PRIMARY LENGTH CALCULATION

Enter degrees of exhaust vlv opening BBDC here
 Enter average optimum rev range here

 94 degrees
 6000 rpm

Primary length

inches
 mm

PRIMARY ID CALCULATION

ie. Single cylinder volume equals

cc

Primary inside dia

inches
 mm

SECONDARY ID CALCULATION

Secondary inside dia

inches
 mm

COLLECTOR CALCULATION

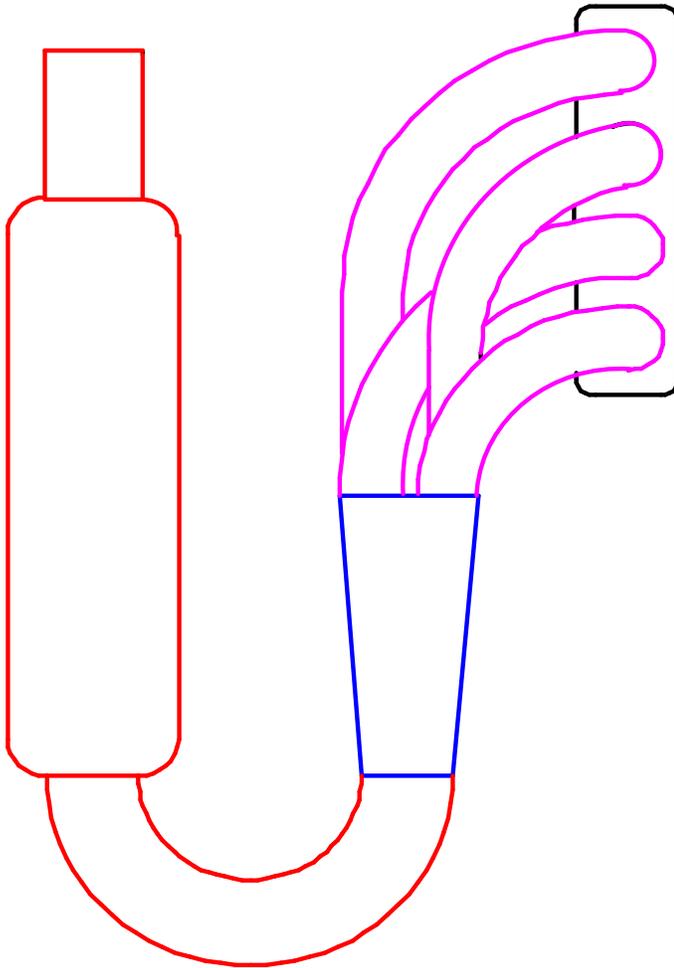
Collector length

inches
 mm

SECONDARY LENGTH CALCULATION

Secondary length

inches
 mm



<u>VIOLET DIMENSIONS</u>	<u>LENGTH:</u>	909.74 MILLIMETERS 35.82 INCHES
	<u>DIA:</u>	31.99 MILLIMETERS 1.26 INCHES
<u>BLUE DIMENSIONS</u>	<u>LENGTH</u>	139.05 MILLIMETERS 5.47 INCHES
<u>RED DIMENSIONS</u>	<u>LENGTH:</u>	846.89 MILLIMETERS OR MULTIPLES OF IT 33.34 INCHES OR MULTIPLES OF IT
	<u>DIA:</u>	43.09 MILLIMETERS 1.70 INCHES

- NOTES: 1) PLEASE ENSURE THAT ALL PIPE LENGTHS IN VIOLET DIMENSIONS ARE EQUAL.
 2) PLEASE ENSURE THAT THE COLLECTOR SHAPE IS CONICAL WITH STRAIGHT SIDES.
 3) THE RED DIMENSIONS INCLUDES THE SILENCER BOX.
 4) THE ACCURACY OF THE DIMENSION LENGTHS SHOULD NOT EXCEED +/- 3mm OR 1/8 INCH.

