

# General Motors (6 cylinder)



## C6156xx



C615641	1.50"
C615642	1.63"
C615643	1.75"

Atlas LL8 "Vortec 4200"

- 2002-09 Trailblazer (Chevy)
- 2002-09 Envoy (GMC)
- 2002-04 Bravada (Olds)
- 2002-09 Renier (Buick)
- 2002-09 Ascender (Isuzu)
- 2002-09 9-7x (SAAB)



**Left**

C615641L
C615642L
C615643L

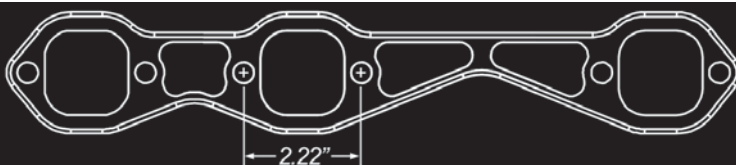
**Center**

C615641C
C615642C
C615643C

**Right**

C615641R	1.50"
C615642R	1.63"
C615643R	1.75"

## 90 Degree V6



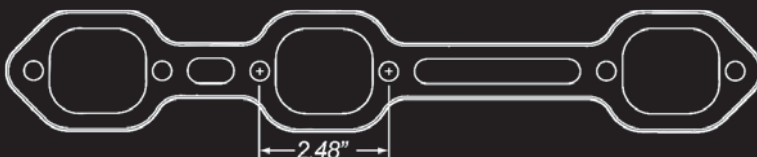
## C600xx



<b>Square</b>	C60052	1.63"	1977-Present 4.3L / 262cid.
	C60053	1.75"	

*For Individual flanges see C800xxE*

## 90 Degree V6 18° Head



## C604xx



<b>Sq. Oval</b>	C60444	1.88"	Nascar "Busch" GN Div. (82-95)
	C60445	2.00"	



<b>Square</b>	C60464	1.88"
	C60465	2.00"

## Buick Stage II V6



**STAGE II heads only  
Will Not Fit OEM**

## B639xx



<b>Square</b>	B63964	1.88"	Indy Buick/Menard V6 (85-96) Nascar "Busch" GN Div. (82-95)
	B63965	2.00"	

# General Motors (Small Block Chevy)



**Gen I & Gen II  
Small Block**  
1955-2002 265-400 cid

Early (stock OEM) | C80022 1.63" **Round**  
Brodix RR180 •



**Brodix** Track 1 • | C80033 1.75" **D-Port**  
Spec CH • | C80034 1.88"  
KC T1 227 •  
11X STD •  
18X STD •



*Port Dimensions* | C80043 1.75" **Oval**  
1.80" h x 1.68" w x .650" radius



Late Model, Vortec (stock OEM) • | C80052 1.63" **Square**  
Edelbrock Perf RPM • | C80053 1.75"  
AFR 215-227 • | C80054 1.88"

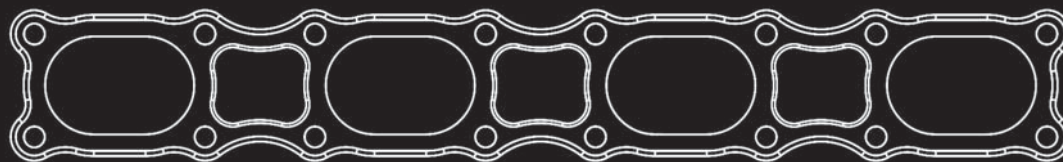


**LT1 / LT4 / L98 (OEM stock)** | C80332 1.63" **D-Port**  
Brodix IK180 1.63" & IK210 | C80333 1.75"

Crate Engines: #19201330 ZZ4  
#88958603 CT355



GM "Fast Burn" Heads #12464298 | C83532 1.63" **D-Port**  
Crate Engines: #88958604 CT400 | C83533 1.75"  
#19201331 FB385  
#12498772 ZZ383



**Chevrolet LT5**  
1990-1995 Corvette ZR-1

1990-1995 ZR-1 | C819245 2.00" **Oval**  
LT5 5.7L 32 Valve DOHC V8



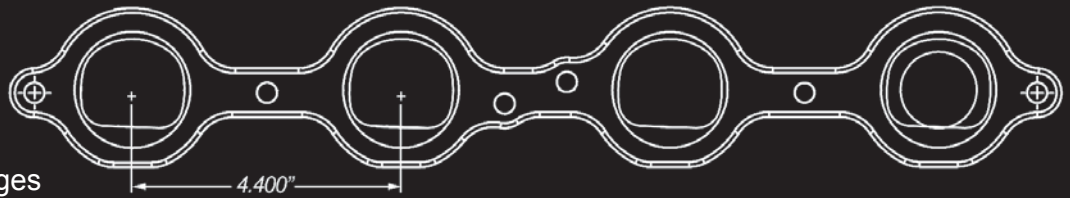
Add *I* for Individual flanges



# General Motors (LS Type)

## Gen III & Gen IV Small Block LS Type

See pg. 64 for Exhaust Flanges



### C811xx



<b>Round</b>	C81123	1.75"	LS3-L92
	C81124	1.88"	LS1 - LS2 - LS3 - LS6
		2.00"	Use p/n C80525
		2.13"	Use p/n C80576
<b>SAP</b>	C81142	1.63"	LS1
	C81143	1.75"	

### C805xx



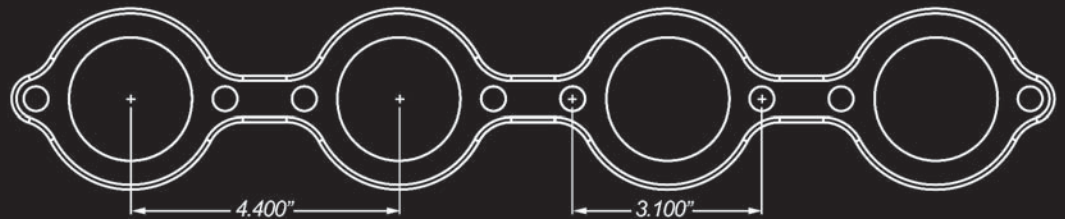
<b>Round</b>	C80524	1.88"	LS7 - LS9
	C80525	2.00"	All-Pro LSW (may require 3/8" drilled flange)
<b>Counter-bored</b>	C80576	2.13"	
<b>SAP</b>	C80553	1.75"	LS7 / LQ9 Stock port size & shape
	C80554	1.88"	(Evolved from Katech C5-R)

### C8161xx



<b>SAP</b>	C816155	2.08"	World Products
	C816156	2.13"	Warhawk 12° LS7

## All-Pro LSW-12-2 Competition Only Head For LSX Block



### C8189xx



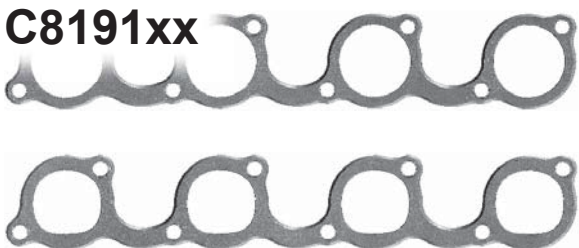
<b>Round</b>	C818925	2.00"	All-Pro LSW-12-2
	C818926	2.13"	

**NEW!**

## GM Performance LSX-CT & LSX-DR Competition Only Head For LSX Block



### C8191xx



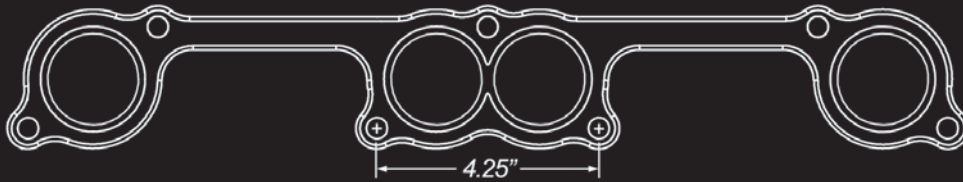
<b>Round</b>	C819125	2.00"	LSX-DR (Drag Race)
			LSX-CT (Circle Track)
<b>SAP</b>	C819154	1.88"	

**NEW!**



Add *I* for Individual flanges

# General Motors (Misc. Bolt Patterns)



**Hooker Pattern**  
For 23° Adapters

Use with <b>Hooker</b> adapters	C83423	1.75"	<b>Round</b>
	C83424	1.88"	
	C83425	2.00"	
	C83426	2.13"	



**C834xx**

<b>ARAO Engineering</b> Dominion 32 Valve	C84855	2.00"	<b>D-Port</b>
	C84856	2.13"	



**C848xx**

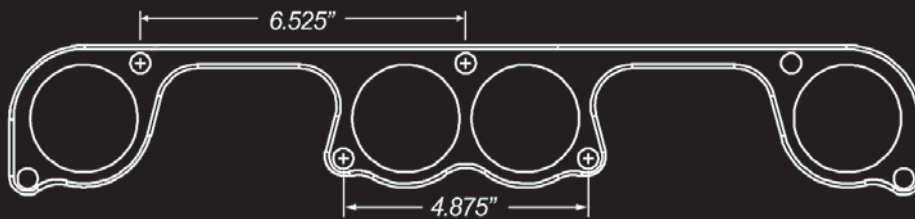


**Alan Johnson**  
*Not Reher Morrison*

21° & 23° Dominator • 18° Outlaw Late Model • & Early Version 12° Pro Outlaw Later Version (see C812xx)	C82224	1.88"	<b>Round</b>
	C82225	2.00"	
	C82226	2.13"	



**C822xx**



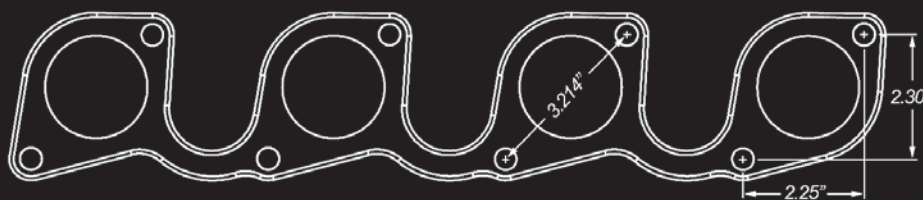
**Pro Action**  
*Original Australian Head*

*Not Stahl Pattern*

Pro Action 14 Degree Original Australian sprint car head	C83225	2.00"	<b>Round</b>
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**C832xx**



**Brodix BD**

Brodix BD2000 Add <i>I</i> for Individual flanges	C81724	1.88"	<b>Round</b>
	C81725	2.00"	
	C81726	2.13"	



**C817xx**

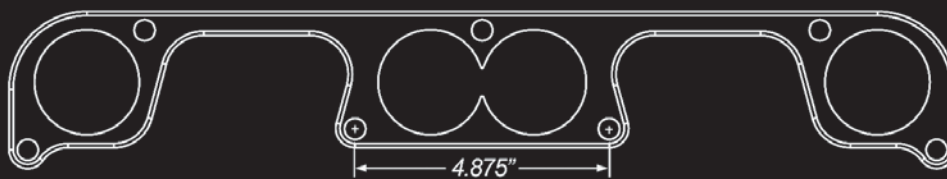
Brodix BD1010 Use Individual flange only	C81924-I	1.88"	<b>Round</b>
	C81925-I	2.00"	



**C819xx**

# General Motors (Stahl Pattern)

## Non-Spread Port Stahl Pattern 23° Adapters



Round	Part Number	Size
	C80223	1.75"
	C80224	1.88"
	C80225	2.00"
	C80226	2.13"

Use with AC80120 adapters or other Stahl pattern adapters. Also fits some **non-spread port** aftermarket heads such as:

- Brodix STD Port -8 / -10 / -11 /
- Brodix STD Port 18X

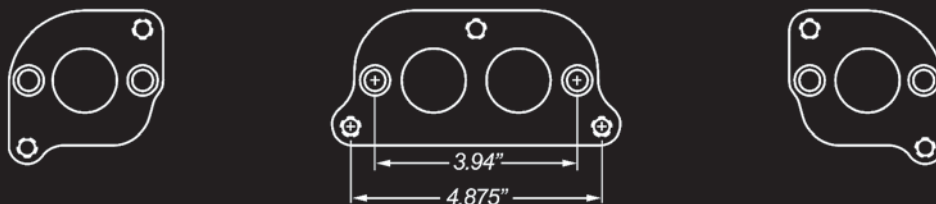


Square	Part Number	Size
	C82963	1.75"
	C82964	1.88"
	C82965	2.00"

- Pontiac 867
- Chapman -10X
- All Pro 227

(or use with AC80120 adapters)  
*Ports raised .150" over stock*

## Stahl Pattern Adapter Kit



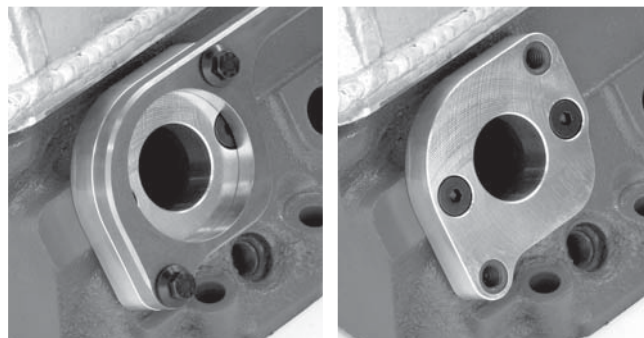
## AC80120 Aluminum Adapter Kit

For use with 23° **non-spread port** heads to allow the use of larger tube sizes than are possible with the stock bolt pattern.

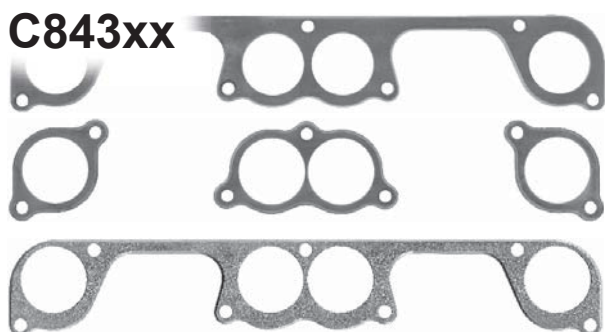
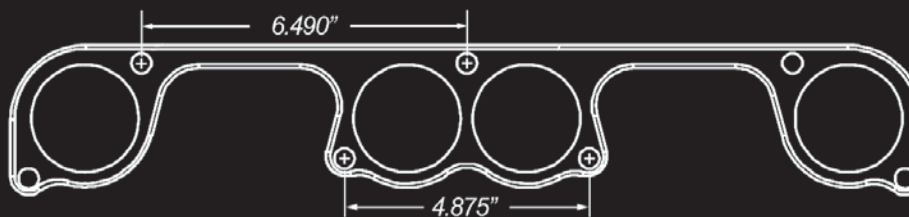
Shown as one kit



Uses low head allen bolts



## Stahl Pattern Spread Port



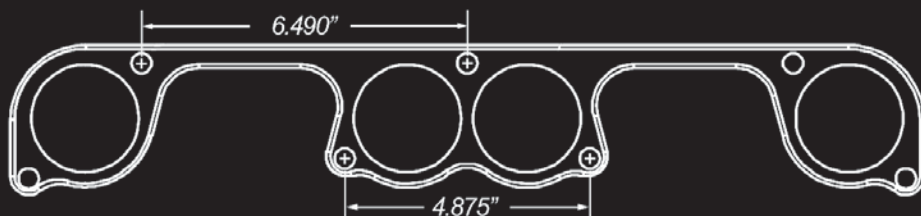
Round	Part Number	Size
	C84324	1.88"
	C84325	2.00"
	C84326	2.13"

Early Dart 15° & 18° & Olds 14°













Add "C", "L" & "R"  
for Individual flanges

Raised Port Round	Part Number	Size
	C84324RP	1.88"
	C84325RP	2.00"
	C84326RP	2.13"

# General Motors (Stahl Pattern)

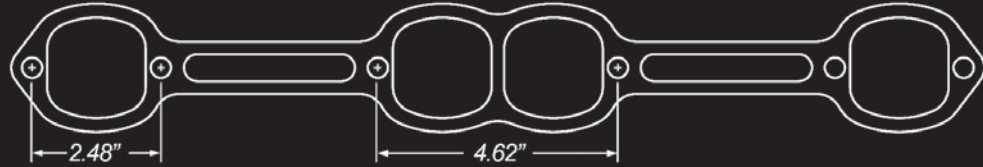


## Stahl Pattern Spread Port

<i>Brodix WP 18 SP C HUT 9.21 A</i>	C81224	1.88"	Round		<b>C812xx</b>
	C81225	2.00"			
	C81226	2.13"			
<i>Brodix STD Port 13° 15° 16° &amp; Dart 15° 16° &amp; 18°</i>	C81244	1.88"	Sq Oval		
	C81245	2.00"			
Brodix 12° 18° ● Chapman 18° ● All Pro 18° ● Dart 220 ●	Add "C", "L" & "R" for individual flanges				
<i>Brodix WP 18 SP C HUT 9.21 A</i>	C81324	1.88"	Round		<b>C813xx</b>
	C81325	2.00"			
	C81326	2.13"			
<i>Brodix WP 18 SP C HUT 9.21 A</i>	C81344	1.88"	Sq Oval		
	C81345	2.00"			
Chapman -10X SP ● <i>Brodix WP 10 SPX AP 230 (CNC)</i>	C81463	1.75"	Square		<b>C814xx</b>
<i>Brodix WP 10 SPX AP 230 (CNC)</i>	C81464	1.88"			
	C81465	2.00"			
Brodix 12 x 12	C81634	1.88"	D-Port		<b>C816xx</b>
	C81635	2.00"			
	C81636	2.13"			
Brodix -10 & -11SP ● Weld Tech 23SP ●	C81824	1.88"	Round		<b>C818xx</b>
	C81825	2.00"			
	C81826	2.13"			
AFR220 23SP ●	C81833	1.75"	D-Port		
	C81834	1.88"			
	C81835	2.00"			
All Pro 227SP	C83053	1.75"	SAP		<b>C830xx</b>
	C83054	1.88"			
Dart 12.5°	C815414	1.88"	Rec		<b>C8154xx</b>
	C815415	2.00"			
Ultra Pro Machine 9°	C815954	1.88"	SAP		<b>C8159xx</b>
	C815955	2.00"			

# General Motors NASCAR Heads

## GM 18 Degree



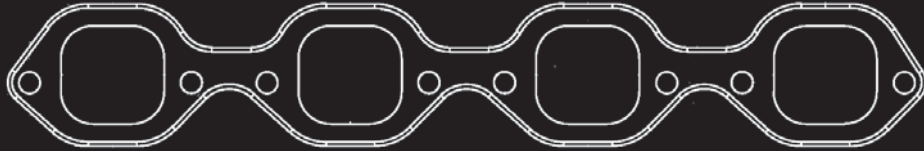
### C804xx



Sq. Oval	C80444	1.88"
	C80445	2.00"
Sq. Oval Raised Port	C80444RP	1.88"
	C80445RP	2.00"

- GM Perf Parts 18°
- CFE 18°
- TFS 18°
- Edelbrock 18°

## DART / Buick



### B837xx

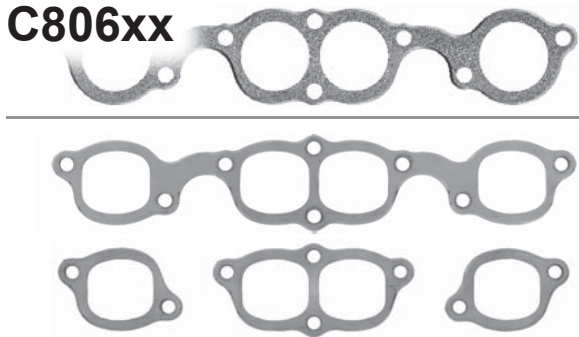


Square	B83764	1.88"	Dart / Buick
	B83765	2.00"	
	B83766	2.13"	

## SB2



### C806xx



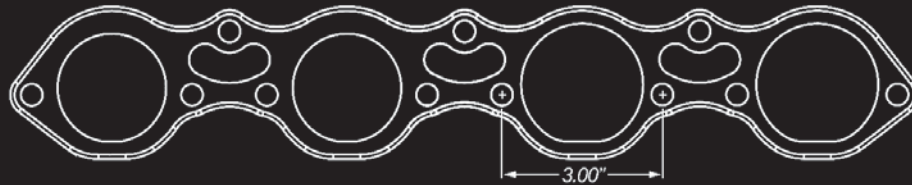
Round	C80624	1.88"	1998-07 NASCAR Cup Series
	C80625	2.00"	
	C80626	2.13"	

Square Oval	C80644	1.88"	"Square Oval Port" is the same as factory ported SB2 & SB2.2
	C80645	2.00"	

Add "C", "L" & "R"  
for Individual flanges

## GM Drag Racing (SBC Splayed Valve)

### Alan Johnson Billet SBC



### C821xx



SAP	C82125	2.00"	AJPE Billet SBC Alcohol / Nitro
	C82126	2.13"	
	C82127	2.25"	
	C82125B	2.00"	Add <i>I</i> for Individual flanges
	C82126B	2.13"	
	C82127B	2.25"	



# GM Drag Racing (SBC Splayed Valve)



**GM Racing  
Splayed Valve**

Chevy "Splayed" GM Performance	C82023	1.75"
	C82024	1.88"
	C82025	2.00"

**Round**



**C820xx**



**Dart "Little Chief"  
Reher-Morrison  
Pattern**

Dart "Little Chief" Same as factory port	C84224	1.88"
	C84225	2.00"
	C84226	2.13"

**Round**



**C842xx**



Add *I* for Individual flanges

Add <i>I</i> for Individual flanges	C84243	1.75"
	C84244	1.88"
	C84245	2.00"

**Square  
Oval**



**CFE SBX**

CFE "SBX" Counterbored	C84024	1.88"
	C84025	2.00"
	C84076	2.13"

**Round**



**C840xx**



Add *I* for Individual flanges

Add <i>I</i> for Individual flanges	C84043	1.75"
	C84044	1.88"
	C84045	2.00"

**Square  
Oval**



**Assassin  
4.5 Bore Center**

Terrace Performance "Assassin"	C84555	2.00"
	C84556	2.13"
	C84557	2.25"

**SAP**



**C845xx**



Add *I* for Individual flanges



**Splayed Valve  
R0X  
4.5 Bore Center**

GM Performance R0X 4.5 Bore Center SBC	C815255	2.00"
	C815256	2.13"

**SAP**

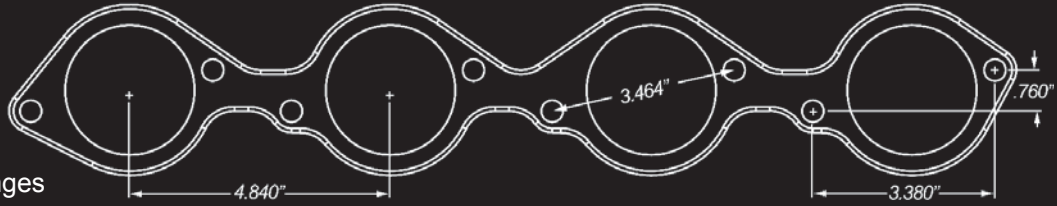


**C8152xx**

















# GM (Big Block Chevy) 4.84" b.c.

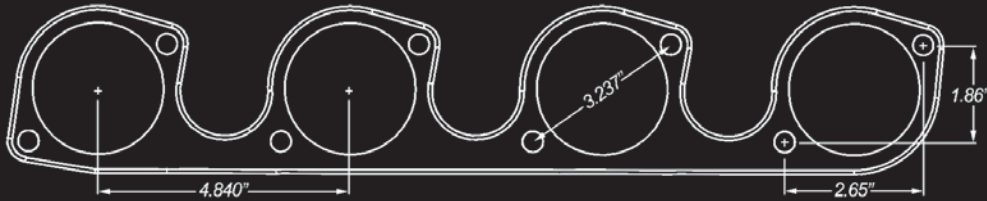
Mark IV  
396-572 ci



Add *I* for Individual flanges

<b>C849xx</b>		Round	C84927 2.25" C84928 2.38" C84929 2.50"	Large Profile Flange Port moved left .100"
<b>C850xx</b>		Square	C85055 2.00" C85056 2.13" C85057 2.25"	Stock Cast Iron Heads
<b>C851xx</b>		Small Profile Flange	C85125 2.00" C85126 2.13"	◀ <b>AFR 265-345 &amp; Brodix JJ 270-294</b>
		Large Profile Flange	C85127 2.25" C85128 2.38" C85129 2.50"	• <b>Brodix</b> RR-BB, HH 377, 1803, 1600, 1200, 1201, 1202 • <b>Dart Pro1</b>
<b>C852xx</b>		Canted Square	C85256 2.13" C85257 2.25" C85258 2.38" C85259 2.50"	◀ <b>World Products Merlin</b>  Old Dart 320-360 / Olds 14 deg.
<b>C856xx</b>		Round	C85626 2.13" C85627 2.25"	◀ <b>Dart Iron Eagle</b>
		Square	C85656 2.13" C85657 2.25" C85658 2.38"	◀ <b>CFE BMF 320-360-385</b> ◀ <b>Dart 330-383 18° CNC</b>
<b>C857xx</b>		D-Port	C85734 1.88" C85735 2.00" C85736 2.13" C85737 2.25"	◀ <b>GM Perf. NHRA Super Stock</b> • GM 502-572 Aluminum • Edelbrock Performer 454
<b>C8153xx</b>		SAP	C815357 2.25" C815358 2.38"	11° & 14° Big Chief
<b>C8163xx-I</b>		Counter-Bored	C816377-I 2.25" C816378-I 2.38" C816379-I 2.50"	AJPE Billet BBC
<b>C8164xx</b>		Round	C816427 2.25" C816428 2.38" C816429 2.50"	Universal flange profile allows for small adjustments in port location to match cylinder head.
		Oval	C816447 2.25" C816448 2.38" C816449 2.50"	
		SAP	C816456 2.13"	• <b>Dart Pro 1</b> (335-355) • <b>Patriot Perf.</b> 320cc Freedom Series
<b>C8166xx</b>		Round	C816627 2.25" C816628 2.38" C816629 2.50"	Universal flange profile allows for small adjustments in port location to match cylinder head.

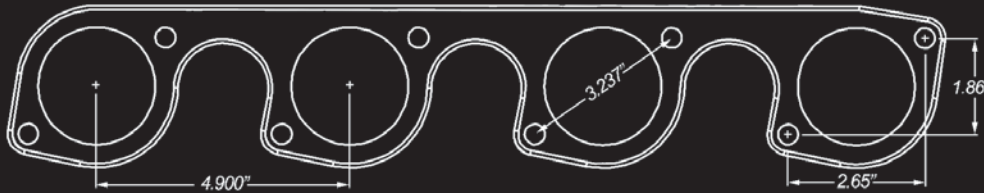
# GM Pro Stock - Pro Mod



**BBC/Olds DRCE**  
**4.84" Bore Center**

- |                         |        |       |
|-------------------------|--------|-------|
| DRCE ●                  | C82627 | 2.25" |
| Alan Johnson 481X ●     | C82628 | 2.38" |
| (use inverted for 481x) | C82629 | 2.50" |

Round



**BBC/Olds DRCE II**  
**4.9" Bore Center**

- |                             |        |       |
|-----------------------------|--------|-------|
| DRCE II ●                   | C82827 | 2.25" |
| Pro-Filer 165 (4.9" b.c.) ● | C82828 | 2.38" |
|                             | C82829 | 2.50" |

Round



Pro-Filer 166 (5.0" b.c.) Individual only Add *I* for Individual flanges



**BBC**  
**5.0 Bore Center**  
*CFE 5.2 use Individual*

- |                |        |       |
|----------------|--------|-------|
| Brodirx PB5000 | C85427 | 2.25" |
|                | C85428 | 2.38" |
|                | C85429 | 2.50" |

Round



(see C851xx-I for Individual flanges)



- |                              |        |       |
|------------------------------|--------|-------|
| CFE / Fulton 14.5° ●         | C85527 | 2.25" |
| Sonny's ●                    | C85528 | 2.38" |
| Port center moved .180" left | C85529 | 2.50" |

Round



Add *I* for Individual flanges

- |  |         |       |
|--|---------|-------|
| Universal flange profile allows for small adjustments in port location to match cylinder head. | C816527 | 2.25" |
|  | C816528 | 2.38" |
|  | C816529 | 2.50" |

Round



- |                |         |       |
|----------------|---------|-------|
| CFE 5.0 ●      | C816547 | 2.25" |
| Sonny's 5x13 ● | C816548 | 2.38" |
|                | C816549 | 2.50" |

Oval



(see C8164xx-I for Individual flanges)

- |  |         |       |
|--|---------|-------|
| Universal flange profile allows for small adjustments in port location to match cylinder head. | C816727 | 2.25" |
|  | C816728 | 2.38" |
|  | C816729 | 2.50" |

Round



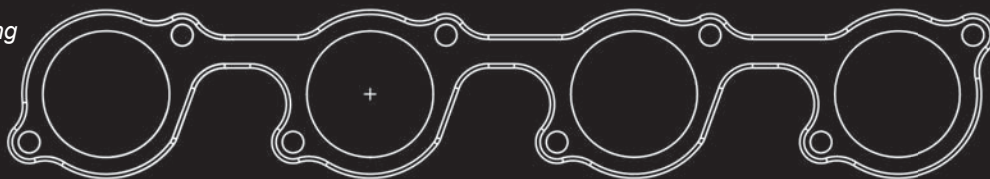
(see C8166xx-I for Individual flanges)

# GM Pro Stock - Pro Mod

## AJPE

Alan Johnson Perf. Engineering

5.0 Bore Center



## C8183xx

Round

C818328 2.38" | Alan Johnson 5.0 b.c. cast heads  
 C818329 2.50"  
 C8183210 2.63"

Add *I* for Individual flanges

**NEW!**



## Sonny's Semi Hemi 5.0



## C8168xxx

Round

C8168211 2.75" | Semi Hemi

Add *I* for Individual flanges



SAP

C8168510 2.63" | Port match to Sonny's port

Add *I* for Individual flanges



## Sonny's Semi Hemi 5.3



## C8169xxx

Round

C8169211 2.75" | Semi Hemi

(see C8168211-I for Individual flanges)



SAP

C8169510 2.63" | Port match to Sonny's port

Add *I* for Individual flanges



## Sonny's 5.3" Wedge



## C8186xx

Round

C818628 2.38"  
 C818629 2.50"  
 C8186210 2.63"

**NEW!**



# General Motors (Buick-Olds-Pontiac-Cadillac)

Will Not Fit OEM  
Cast Iron Heads



Pontiac  
Edelbrock

Edelbrock  
Performer & Performer RPM

P85833	1.75"
P85834	1.88"
P85835	2.00"
P85836	2.13"

D-Port



**P858xx**

**NEW!**

Kauffman High Port

P818855	2.00"
P818856	2.13"

D-Port



**P8188xx**

Will Not Fit OEM  
Cast Iron Heads



Oldsmobile  
Edelbrock

Edelbrock  
Performer RPM

O82764	1.88"
O82765	2.00"

Square



**O827xx**

Check port measurements  
to confirm early or  
late style cyl. heads  
(Early Heads = 1.150" x 1.610")



Cadillac  
Northstar  
L37 & LD8

1993-2003 (some models to 2006)  
Cadillac, Buick, Olds, & Pontiac

C816042	1.63"
C816043	1.75"
C816044	1.88"

Oval



**C8160xx**

C816024	1.88"
C816025	2.00"
C816026	2.13"

Round



Check port measurements  
to confirm early or  
late style cyl. heads  
(Late Heads = 1.050" x 2.100")



Cadillac  
Northstar  
LH2 & LC3

**NEW!**

2004-up Cadillac XLR, SRX, STS  
2006-up XLRV & STSV  
2004-up GM Crate Engines

C819044D	1.88"
C819045D	2.00"

SAP



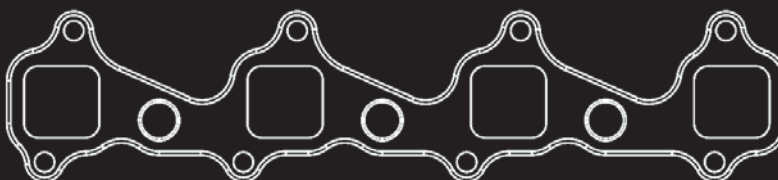
**C8190xxD**

C819044P	1.88"
C819045P	2.00"

SAP



**C8190xxP**



Duramax  
6.6L

**NEW!**

2001-up Chevy & GMC  
light trucks w/6.6L Diesel

C818562	1.63"
C818563	1.75"

Square



**C8185xx**