

Table of Contents

EVO: Carburetor, Intake Manifold & Exhaust	3
Intake Manifold	3
Subdocuments	3
04-06 Intake Manifold	4
07 and Up Intake Manifold	4
Intake Flanges	5
Seals	5
90-03 Intake Seals	5

[Go To Technical Menu](#)

EVO: Carburetor, Intake Manifold & Exhaust

Intake Manifold

Subdocuments

- [Installing Intake Manifold \(27004-88A\)](#)

HD Sportster Manifold and Parts						
Year Model	Intake Manifold	Flanges		Intake Seal (2)	Carb Insulating Spacer	
		Front	Rear			
1986-1987	27004-86 sold individually	27009-86	27010-86	26995-86A	27003-86	OEM Carb Keihin "Butterfly" non-CV
		flange upgrade (Late 1986)			insulator upgrade (1988)	
		27009-86A	27010-86A			
		flange upgrade (1989)				
		27009-86B	27010-86B			
27003-86A						
Year Model	Intake Manifold	Flanges		Intake Seal (2)	Carb Seal	
		Front	Rear			
1988-1989	27004-88 rubber intake sold individually	27009-86A	27010-86A	26995-86A w/ insert (2) 29049-88	worm clamp	
		flange upgrade (1989)				
		27009-86B	27010-86B			
1990-2003	27004-88A aluminum intake (27004-89) sold as kit with intake and carb seals	27009-86A	27010-86A	26995-86A	ring seal 27002-89	OEM Carb Keihin "CV"
2004-2006	27024-04 aluminum intake sold as kit with (map, seal, clip & screw)	27009-86A	27010-86A	26995-86A	ring seal 27002-89	

1986-1987 Sportster Intake Manifold (27004-86) ¹⁾



1990-2003 Sportster Intake Manifold (27004-88A) sold as a kit w/ intake and carb seals. ²⁾

Intake casting part number: (27004-89)

Shown with flanges.
Front: (27009-86A) Rear: (27010-86A)



04-06 Intake Manifold

07 and Up Intake Manifold

2007-up (EFI) heads have a wider bolt pattern for the intake flanges. ³⁾

It's easier to get to the bolts on 07 and up intakes.

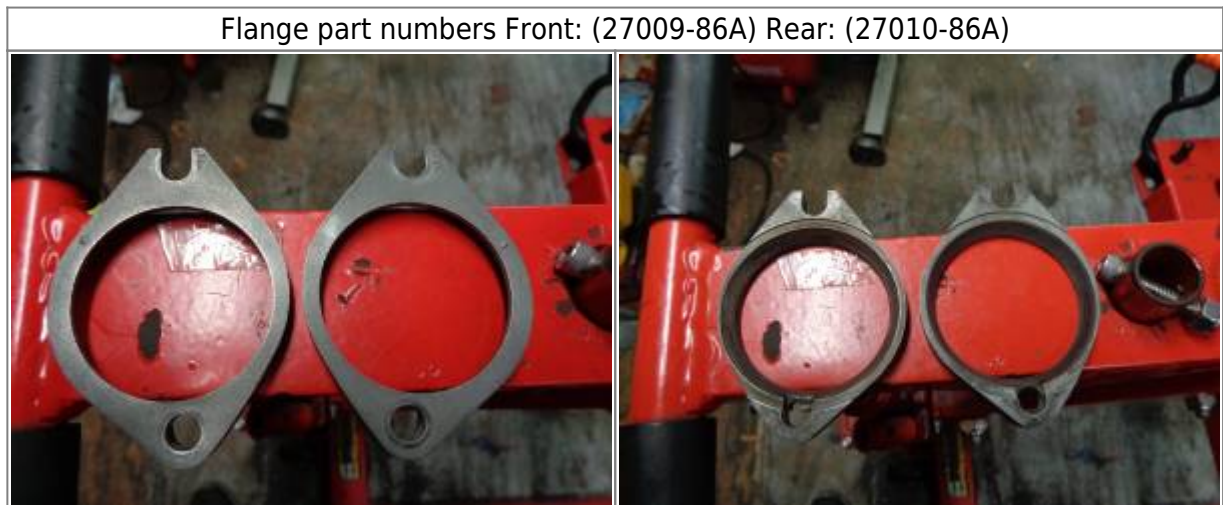
All the 2007+ heads have their manifold mating surfaces milled down about 1/16" as compared with carb type heads.

If you were to try and put the carb type intake manifold on an 07 engine, you'll find it needs to be about 1/8" wider.

If you don't get a wider manifold, there's a good chance you'll have issues with the seals being sucked into the intake ports on decel.



Intake Flanges



Seals

90-03 Intake Seals



[Go To Technical Menu](#)

1)

photos courtesy of Stripped Down Cycles [Link to Ebay Store:](#)

2)

photos by Hippysmack

3)

aswtacing of the XLFORUM

<https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-motor-engine/sportster-motorcycle-motor-top-end/195512-xr-heads-on-xl?highlight=intake+manifold#post4255444>

4)

photo by 4-pac of the XLFORUM

<https://www.xlforum.net/forum/sportster-motorcycle-forum/sportster-motorcycle-intake-and-exhaust/sportster-motorcycle-air-intake-carburetor-efi-fuel-and-exhaust/53895-06-carb-to-07-fuel-injection-conversion?t=254258>

From:

<http://sportsterpedia.com/> - **Sportsterpedia**

Permanent link:

<http://sportsterpedia.com/doku.php/techtalk:evo:carb03>

Last update: **2024/01/02 22:09**

