



INSTRUCTIONS

-J01329

REV. 4-4-01

Kit Number 40054-01

INDUCTION SYSTEM ALIGNMENT BRACKET

General

This bracket is designed to aid in aligning the carburetor (CV) or induction module assembly during installation on Twin Cam 88 Models. The bracket can be modified for use on 1340 Evolution Model Motorcycles.

NOTE

The locating pins on this bracket are designed to work with Big Twin CV (Constant Velocity) Carburetors only.

This kit consists of the following.

Quantity	Description	Part Number
1	Bracket, alignment	not sold
2	Insert, 3/8 inch (inside dia.)	not sold
2	Insert, 5/16 inch (inside dia.)	not sold

Installation

NOTE

A Service Manual for your motorcycle is available at your Harley-Davidson Dealer.

NOTE

Follow instructions in applicable Service Manual to install carburetor or induction module and intake manifold assembly to cylinders. The alignment bracket will temporarily secure and align carburetor/induction module with intake manifold during the installation process.

- For 1340 Evolution models, perform the applicable procedure under Step 8 before proceeding.

CAUTION

Do not tighten the manifold bolts and then try to align the manifold and flanges. The manifold seals will be damaged.

- Position carburetor or induction module assembly in place and finger-tighten intake manifold flange screws. Be sure manifold seals and carburetor/induction module inlet seal ring are positioned correctly.
- See Figure 1. Obtain alignment bracket. Align locating pins on bracket with backplate mounting holes in face of carburetor or induction module.
- Using stock breather bolts, install alignment bracket to front and rear cylinder heads to secure carburetor or induction module in position. Tighten securely.
- Tighten intake manifold mounting hardware to specifications in applicable Service Manual.

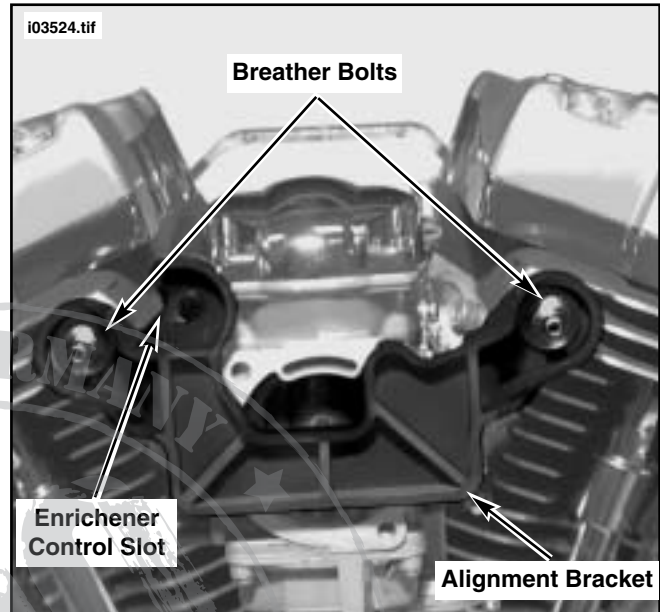


Figure 1. Induction Alignment Bracket (Twin Cam Carburetor Installation Shown)

- Remove breather bolts and alignment bracket.
- Follow instructions in applicable Service Manual and install Backplate and Air Cleaner Assembly.
- Evolution Models.** 1340 Evolution models utilize different breather bolts than Twin Cam 88 Models. The bracket can be modified for use on Evolution Models by performing the following:

NOTE

Drill carefully making sure holes run parallel with existing holes.

Pre-1993 Evolution-(with 5/16 inch Breather Bolts)

- Secure the bracket in a vice or similar fixture.
- Drill bracket mounting holes to 1/2 inch.
- Use insert with 5/16 inch inner diameter (from kit).

1993-1998 Evolution-(with 1/2 inch Breather Bolts)

- Secure the bracket in a vice or similar fixture.
- Drill bracket mounting holes to 1/2 inch.

To Restore to Twin Cam 88 Configuration-

- Use insert with 3/8 inch inner diameter.