



Installation Manual

Ford Falcon BA/BF/FG Intake Manifold Kit

PFEM67740



Included Items	QTY
PFEM67740 Billet Intake Manifold	1
PFEM67740 Billet Fuel Rail Kit	1
PFETBU90 Universal 90mm Throttle Body	1
PFEM67740 BA/BF FBW Throttle Body Adapter	1
PFEM67740 Mounting Bolt Kit	1
PFEM67740 Assorted Fitting Kit	1

WARNING: PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

PROFLOW.COM.AU

EMAIL: sales@proflow.com.au
PHONE: 1300 879 879

Description

Proflow's fabricated billet aluminium intake manifold kits provide excellent mid range torque whilst dramatically improving top end power, ideal for anyone looking to build an ultra responsive street or drag car. Featuring a 90mm inlet, it can be used with the factory fly-by-wire throttle body using the BA/BF adaptor plate supplied (FG throttle body adapter sold separately) and also comes with a 90mm billet cable throttle body for engine conversion applications.

Typical Installation

Intake Manifold Installation

1. Remove the factory intake manifold and accessories following the vehicle's factory service manual.
2. Before installing the new intake manifold, perform a test fit of the intake manifold. Make sure that the mounting screws supplied can thread freely into the cylinder head. The mounted flange should seat properly and be completely flat.
3. Ensure the cylinder head surface is clean and install a new intake manifold gasket onto the cylinder head face (not supplied).
4. Install the intake manifold to the cylinder head using the supplied stainless steel M8 screws & washers and torque to 18 Nm (as stated by Ford). Ensure all screws are lubricated with engine oil prior to installation.
5. If using the Proflow cable throttle body, install the throttle body to the manifold using the supplied M8 screws & washers (also mount the cable bracket). If using the factory DBW unit, install the adapter to the manifold first and then the DBW throttle body.
6. On the underside of the manifold, there are 4x NPT threads tapped which will provide ample vacuum port sources (fittings supplied). Any unused ports will need to be plugged. There is also provision for a standard MAP sensor to be mounted.

Fuel Rail Installation

1. Insert 6x fuel injectors into the o-ring bosses on the intake manifold by gently applying downwards pressure (this fuel rail suits a full length injector but can be used with short or 3/4 length injectors by using adapters). Apply a coat of oil to all injector o-rings prior.
2. Install the fuel rail by positioning it above the injectors on the intake and pressing down firmly until all injectors are seated into the fuel rail bosses. The Proflow logo should be facing outwards.
3. Mount the 2x threaded steel brackets to the side of the rail by screwing the supplied M6 bolts through the fuel rail and into the brackets. Do not fully tighten these bolts yet.
4. Install the fuel rail spacers by screwing the supplied M8 bolts with washers & spring washers through the bracket and spacer and into the intake manifold base. Torque these 2x M8 bolts to 10 Nm.
5. Finally tighten the threaded fuel rail bracket bolts previously installed and rotate all fuel injectors so their plugs are accessible to the harness.