



## 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
PFEM67740 FG FBW Throttle Body Adapter	1
PFEM67740 BA/BF FBW Throttle Body Adapter	1
PFEM67740 Mounting Bolt Kit	1
PFEM67740 Sealing O-rings	6
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.

## 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. install the 6x o-rings into the grooves on the manifold sealing face with lubricant. These will seal the manifold to the cylinder head.
4. Install the intake manifold to the cylinder head using the supplied Grade 12.9 steel M8 screws & washers and torque to 20 Nm. Ensure all screws are lubricated with engine oil prior to installation.
5. If using a Proflow 80mm cable throttle body (purchased separately), install the throttle body to the manifold using the supplied M8 screws & washers.
6. If using a Ford factory DBW unit, install either the BA/BF or FG adapter to the manifold first (depending on model) and then install the DBW throttle body.
7. 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 using thread sealant. There is also provision for a standard Ford MAP sensor to be mounted.

**Note:** The factory hard-line water piping from the thermostat housing will need to be removed to install this intake. Aftermarket fittings and hose will need to be used to provide adequate clearance which can be purchased separately.

*Thermostat Housing Adaptor #: PFETH-825*

### 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 to avoid damaging them.
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. Place the 3x spacers under the mounting tabs on the fuel rail and insert the supplied M8 screws and washers into the fuel rail bracket and through the spacers into the manifold. Torque these to approximately 15 Nm.
4. All ports are tapped to accept AN8 ORB fittings. The end port towards the front of the intake will need to be blocked (NPT plug supplied) as there is no clearance around the thermostat housing. Please apply either thread tape or sealant to this NPT plug. There are 2 additional ports on the top of the fuel rail which can be used instead as a fuel feed or return.