

KT41761 for Chevrolet 350 with 225 Impco Carburetor using a GAC ATB

1 INTRODUCTION

The KT4176 supports the governing system for the natural gas or propane Chevrolet 350 with square bore Holley style intake manifold using a GAC Throttle Body (ATB) with a customer supplied Impco 225 carburetor mounted on it. This document aids with mounting kit installation. A complete governor solution is outlined in Section 3.

2 KIT CONTENTS

The KT41761 provides an adaptor to mount a GAC ATB-T2 throttle body to any intake with a square bore Holley bolt pattern. A two-barrel intake bracket is also available. (KT41760).

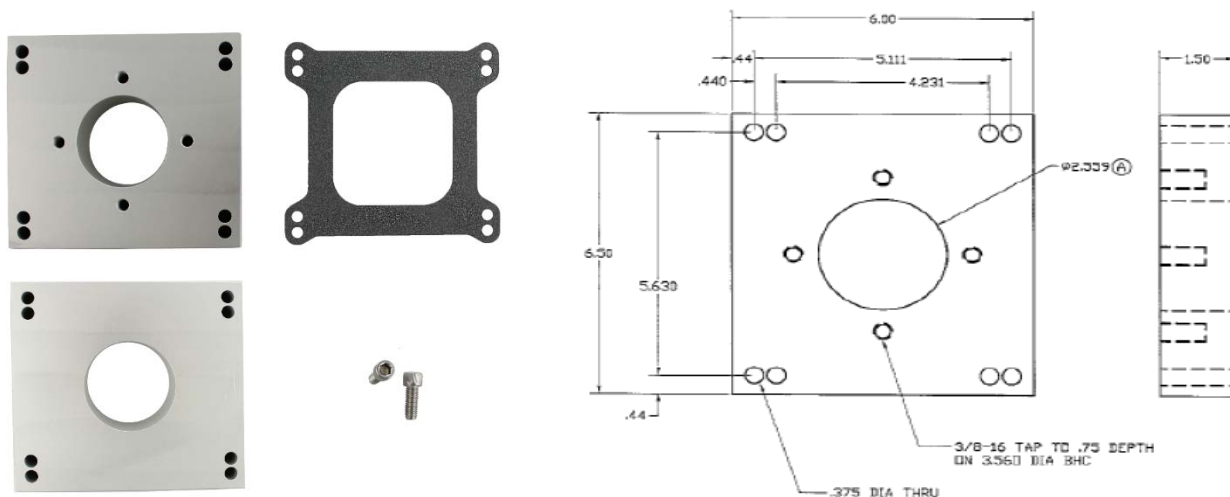
The adapter between the Impco carburetor and the ATB are not provided. Use the Impco provided gaskets.

KT41761 ADAPTOR-INTAKE MANIFOLD TO THROTTLE BODY KIT

DESCRIPTION	QTY
Plate, retainer	1
Mounting hardware	2
Gasket	1

The gasket adaptor for your specific Impco carburetor (sold separately) is required to complete this installation.

FIGURE 1 KT41761 PARTS



3 COMPLETE SOLUTION

The complete electronic governing solution for the natural gas or propane Chevrolet 350 engine with an Impco 225 carburetor would include the following. **ALL COMPONENTS ARE SOLD SEPARATELY.** See your GAC representative for alternate solutions.

Reference the installation manual included with each component for complete instructions.

GAC PART	DESCRIPTION
ATB552T2N-12 or 24 Volt	GAC ATB-T2 throttle body (sold separately)
Impco Model 225 Carburetor	Impco Natural Gas Carburetor Mixer 225 (sold separately)
MSP6729	Magnetic pickup (sold separately)
ESD5159	Speed control unit (sold separately)
KT41761	Adaptor kit intake manifold to throttle body
TP501	5 k Ω 1-turn potentiometer (sold separately)
Optional Adapter	Mr. Gasket adaptor for spread bore intake manifold (sold separately)

4 INSTALLATION



LPG and/or natural gas installations on stationary engines must be performed in accordance with federal, state, and local regulation. Failure to abide by the above will void any warranty on the product and may cause serious injury or property damage.

Use an overspeed shutdown device, independent of the governor system, to prevent loss of engine control which may cause personal injury or equipment damage.

Do not rely exclusively on the governor system electric actuator to prevent overspeed. A secondary shutoff device, such as a fuel solenoid must be used.

- Using KT41761, mount the intake manifold adapter and gasket to the engine body intake manifold, bolting the adapter to the engine (Figure 2).
- Place the 55 mm or 65 mm ATB-T2 throttle body on the KT41761 adapter gasket.
- Tighten the hardware.
- Using Impco 225 customer supplied gasket, mount the gasket and Impco to ATB adapter to the Impco carburetor. Tighten hardware.
- Place the gasket on the ATB and mount the Impco carburetor with ATB adapter to the ATB.
- Align the gasket with the mounting holes before tightening down hardware following engine and carburetor torque specifications.

FIGURE 2 MOUNTING BRACKET TO ENGINE

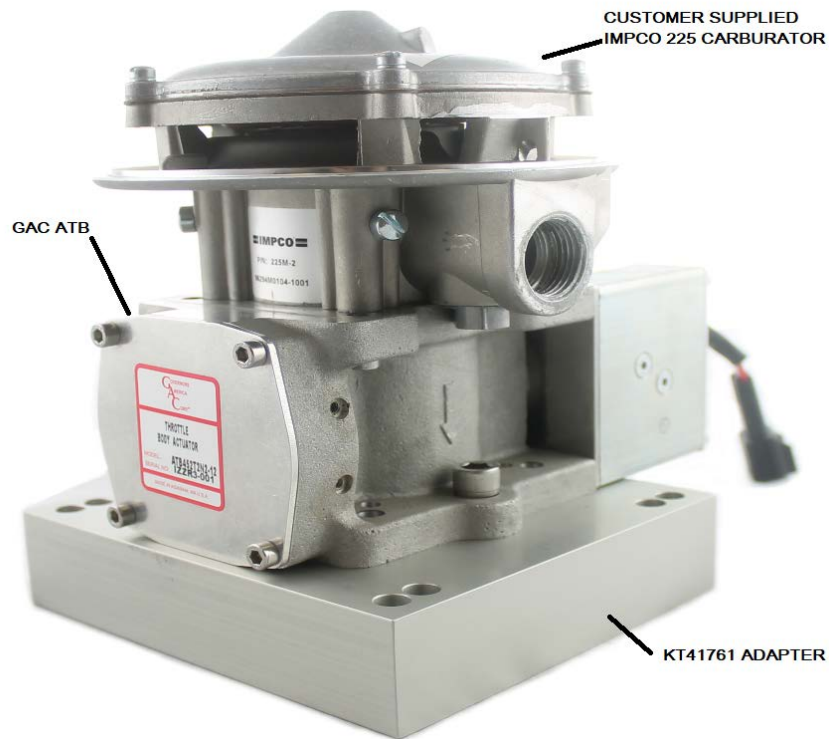


FIGURE 3 ATB MOUNTED ON ENGINE

