



# VEHICLE - SERVICE BULLETIN

MAY 15, 2025

Can-Am On-Road

BULLETIN 2016-7 | REVISION B

## Electric Throttle Actuator Replacement

MODEL YEAR	MODEL	ENGINE
MY10 to MY16	Spyder (see Model Listing below)	991 Engine

### IMPORTANT

#### When receiving a vehicle for service:

- Always lookup the vehicle identification number (VIN) on the Knowledge Center to check for pending campaigns or alerts.
- Always connect the vehicle to the BRP diagnostic software (BUDS) to ensure all required updates are performed.

### MODEL LISTING

MODEL YEAR	MODEL	ENGINE
2010	Spyder RT	991 engine
2011	Spyder RT	
2012	Spyder RT	
2013	All Spyder models	
2014	Spyder RS, RS-S, ST and ST-S	
2015	Spyder RS, RS-S, ST and ST-S	
2016	Spyder RS and ST	

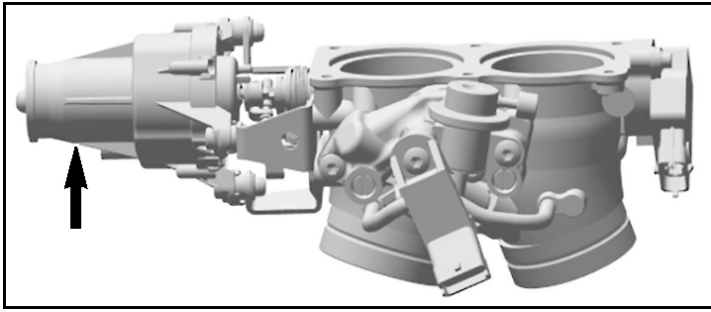
### DESCRIPTION

The Electric Throttle Actuator (ETA) is now available for spare part. In case of any ETA defect, it is not necessary anymore to replace the complete throttle body assembly.

#### NOTE

Before replacing the throttle body assembly, or the ETA, always carefully clean the throttle body and check the throttle body axis for free movement to avoid unnecessary replacement.

## REQUIRED PARTS



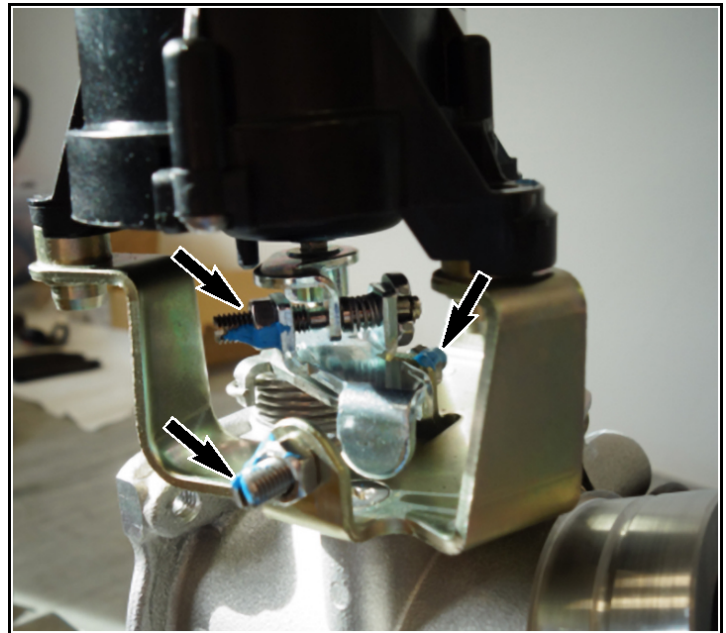
DESCRIPTION	PART NUMBER	QTY
Electric Throttle Actuator (ETA) assembly	420265849	1

## Removing the ETA

**NOTE**

Before replacing the ETA, carefully clean the throttle body, refer to *Throttle Body Cleaning* in the *Electronic Fuel Injection (EFI)* subsection of the *Service Manual*.

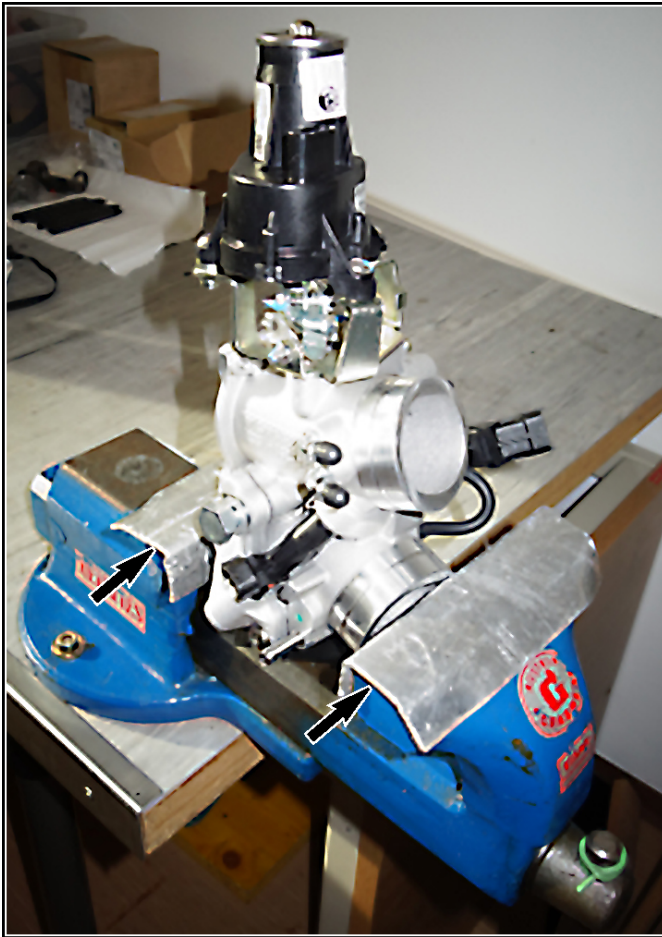
DO NOT untighten the three (3) adjustment screws which are secured with locking paint.



1. Remove the throttle body, refer to *Throttle Body Replacement* in the *Electronic Fuel Injection (EFI)* subsection of the *Service Manual*.
2. Fix the throttle body in a bench vise.

**NOTE**

Do not damage the sealing surface. Use aluminum or soft metal braces for protection.

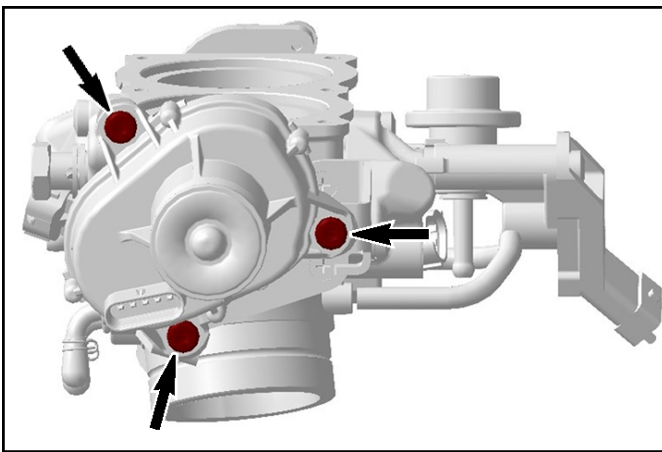
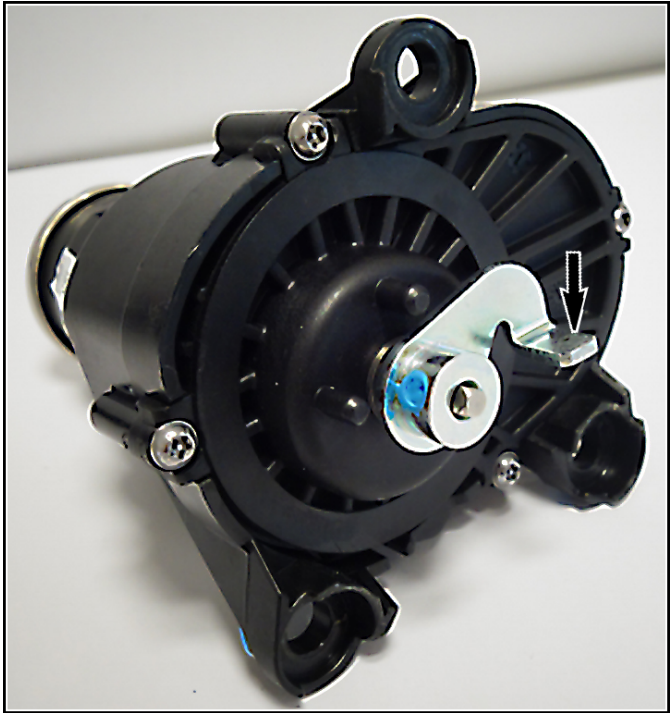


2. If necessary, re-clean the throttle body. Refer to *Throttle Body Cleaning* in the *Electronic Fuel Injection (EFI)* subsection of the *Service Manual*. Replace throttle body assembly if necessary.
3. Before replacing the ETA, check the following:
  - Free movement of actuator axis
  - ETA not responding
  - Bad electrical connection

**NOTICE**

The axis shaft movement is critical. Any restrictions could lead to new actuator failure. Refer to [TST ROADSTER DTC P1614 ECM \(991\) - 27826](#) for cleaning procedure.

3. Remove the ETA retaining screws with lock washers and pull out the ETA.

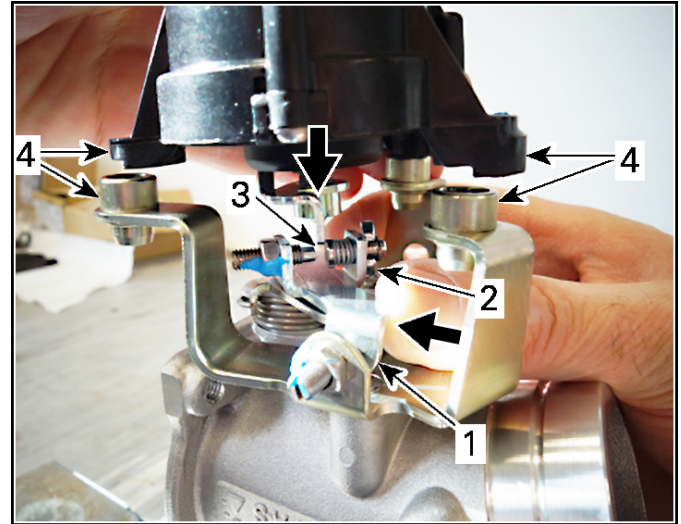
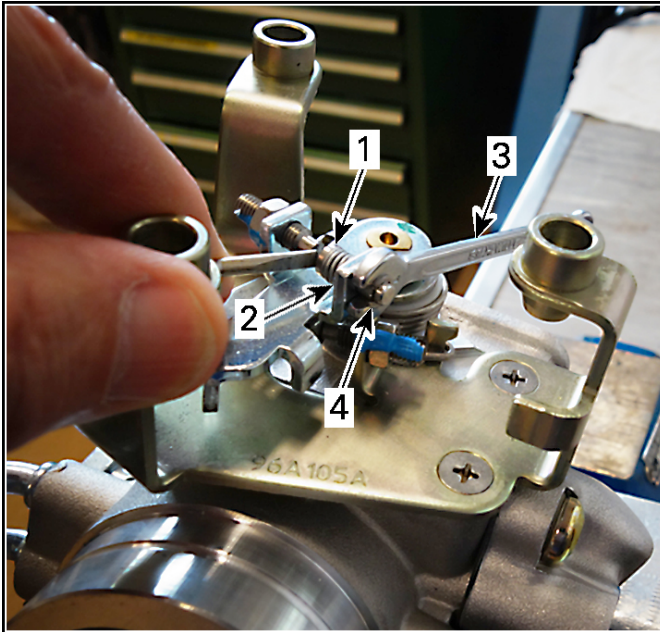


### Installing the ETA

1. Push in the spring-loaded bolt and keep it in open position by inserting an open-end wrench (4 mm) between throttle lever and circlip.

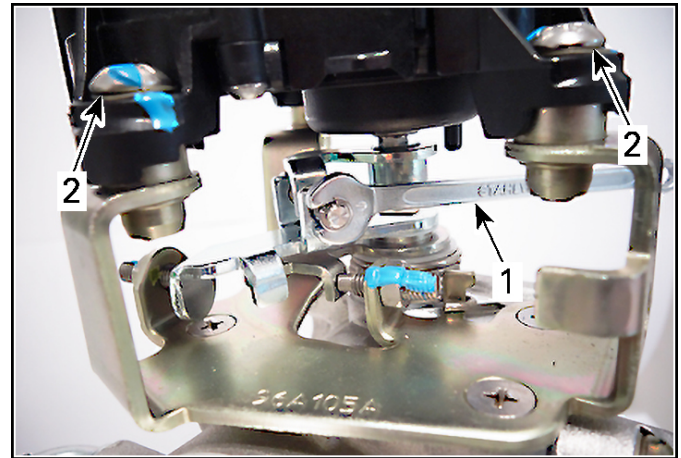
### Inspecting the Throttle Body and ETA

1. Check free movement of the throttle body axis by turning the throttle lever several times.

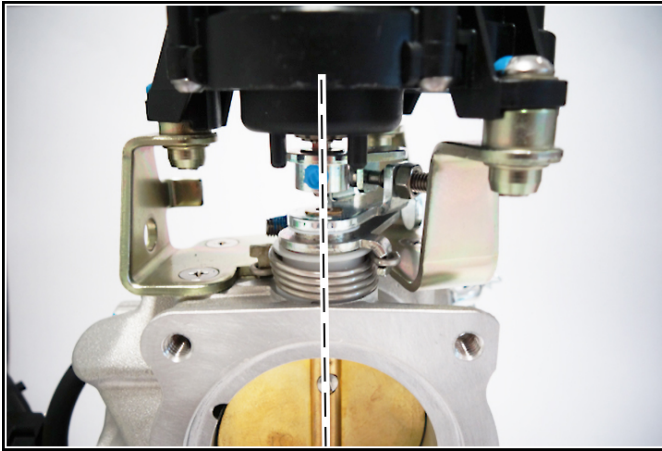


1. Spring-loaded bolt
  2. Throttle lever
  3. Open-end wrench (4 mm)
  4. Circlip
2. Turn throttle lever to its end point and attach the ETA onto the throttle body, take care to insert the ETA lever correctly and align the ETA retaining screw bores.

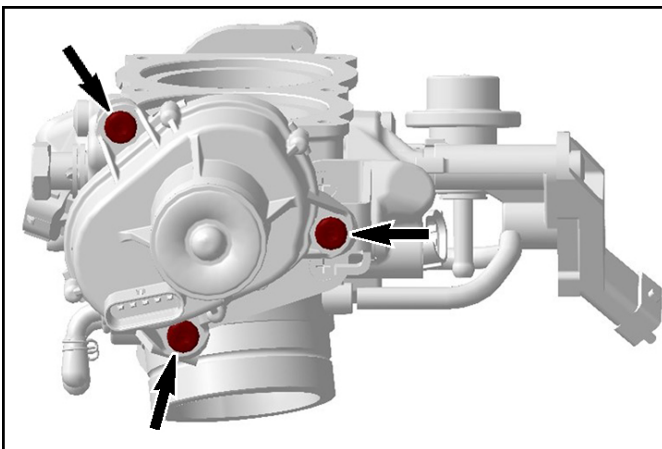
1. Throttle lever, push to its end point
  2. Open-end wrench (4 mm)
  3. Insert ETA lever here
  4. Align retaining screw bores
3. Remove open-end wrench and screw in ETA retaining screws with lock washers, do not tighten now.



1. Open-end wrench, remove it
  2. ETA retaining screws with lock washers, do not tighten
4. Visually align the centerline of the throttle axis with the centerline of the ETA by hand.



5. Tighten ETA retaining screws to specification.



TIGHTENING TORQUE	
Actuator retaining screws	0.7 Nm (6 lbf-in)

6. Check free movement of the throttle body axis by turning the throttle lever several times.
7. Reinstall throttle body assembly. Refer to *Throttle Body Replacement* in the *Electronic Fuel Injection (EFI)* subsection of the *Service Manual*.
8. Connect the vehicle to *BUDS All Products* and perform the ECM First Initialization / TPS reset.