



BEFORE YOU START

DISCLAIMER!

**IT IS REQUIRED TO
REACH OUT TO YOUR
TUNER TO UPDATE YOUR
TUNE TO ACCOUNT FOR
THE CHANGES NEEDED
FOR LARGER
WASTEGATE ACTUATORS**



TOOLS NEEDED

PICK OR FLATHEAD

10MM WRENCH

PLIERS

T30 TORX

BALL HEADED ALLEN #5

****ADDITIONAL TOOLS MAY MAKE INSTALLATION EASIER****



DRIVER'S SIDE STEP 1

**REMOVE DRIVERS SIDE FACTORY
WASTEGATE ACTUATOR
AND BRACKET BY
REMOVING QTY 3 T30 TORX.**

****NEW HARDWARE WILL BE
USED YOU MAY RETAIN
THESE AS SPARES****



DRIVER'S SIDE STEP 2

**USE PICK TO REMOVE
LOCKING PIN FROM
THE BALL JOINT**

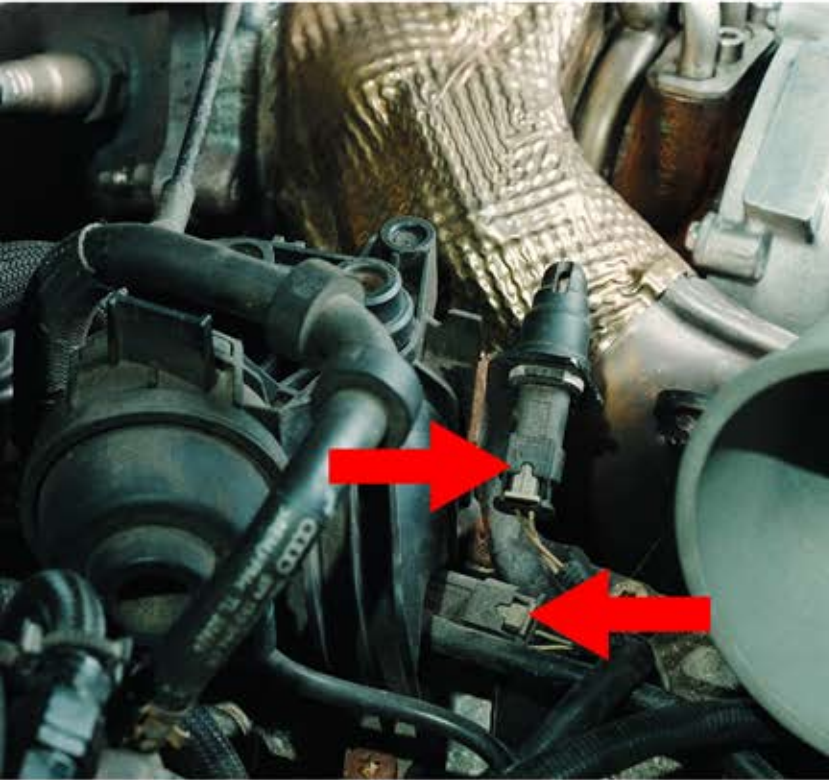
**YOU CAN USE A FLAT
HEADED SCREW DRIVER
TO POP THE BALL JOINT
OFF THE BALL**



DRIVER'S SIDE STEP 3

**REMOVE FACTORY
VACUUM HOSE FROM
HARD LINE AND
INSTALL **QTY 1** SUPPLIED
HOSE**





**PASSANGER SIDE
STEP 4**

REMOVE SENSORS



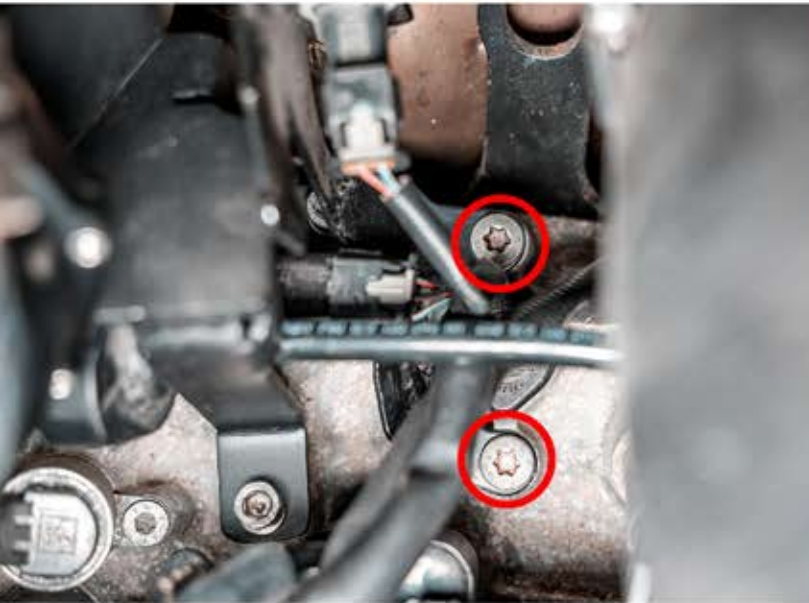
**PASSANGER SIDE
STEP 5**

**REMOVE CLAMP AND MOVE
HOSE TO THE SIDE**

**PASSANGER SIDE
STEP 6**

**REMOVE QTY 4 T30 TORX
FROM OVER BRACKET SHOWN HERE**

RETAIN FOR REINSTALLATION



**PASSANGER SIDE
STEP 7**

**REMOVE QTY 3 T30 TORX
FROM WASTEGATE ACTUATOR
BRACKET**





PASSANGER SIDE STEP 8

**USE PICK TO REMOVE
PASSANGER SIDE
LOCKING PIN FROM
THE BALL JOINT**

**YOU CAN USE A FLAT
HEADED SCREW DRIVER
TO POP THE BALL JOINT
OFF THE BALL**



DRIVER'S SIDE STEP 9

**INSTALL DRIVER'S SIDE
BRACKET WITH **QTY 3**
SOCKET HEAD
BOLTS AND WASHERS**

**USE
BALL HEADED ALLEN #5
TO TIGHTEN**



DRIVER'S SIDE STEP 10

**SLIDE WASTEGATE
ACTUATOR INTO
BRACKET AND PARTIALLY
THREAD ON THE M6 JAM NUT**

****THIS WILL BE LOOSELY
FITTED FOR FUTURE STEPS****



DRIVER'S SIDE STEP 11

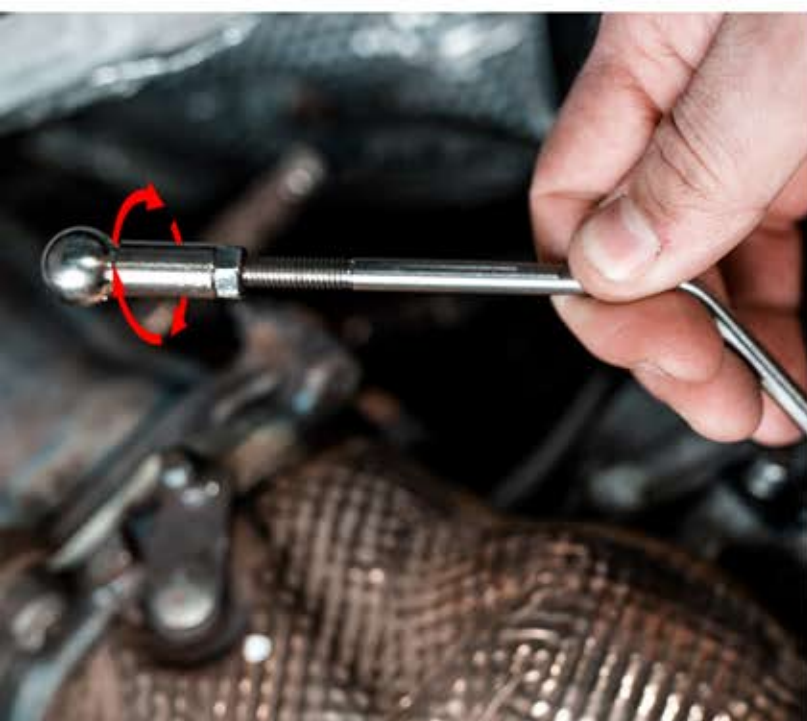
**REMOVE AND RETAIN
LOCKING WIRE FROM
BALL JOINT**

****PLACE THESE IN
A SAFE PLACE TO AVOID
DROPPING THEM IN YOUR
ENGINE BAY****

**DRIVER'S SIDE
STEP 12**

**THREAD ROD ONTO CENTER
POST OF WASTEGATE ACTUATOR**

****YOU WILL NEED TO ADJUST
AT BOTH ENDS TO GET THE ROD
AND BALL JOINT TO
APPROPRIATE LENGTHS****



**DRIVER'S SIDE
STEP 13**

**ADJUST BALL END WHILE
HOLDING WASTEGATE
ACTUATOR FLUSH
TO BRACKET**



****BALL JOINT SHOULD LINE UP
WITH BALL WITHOUT
HOLDING THE WASTEGATE
ACTUATOR OPEN
OR PULLING
THE ACTUATING LEVER
AWAY FROM END STOP****



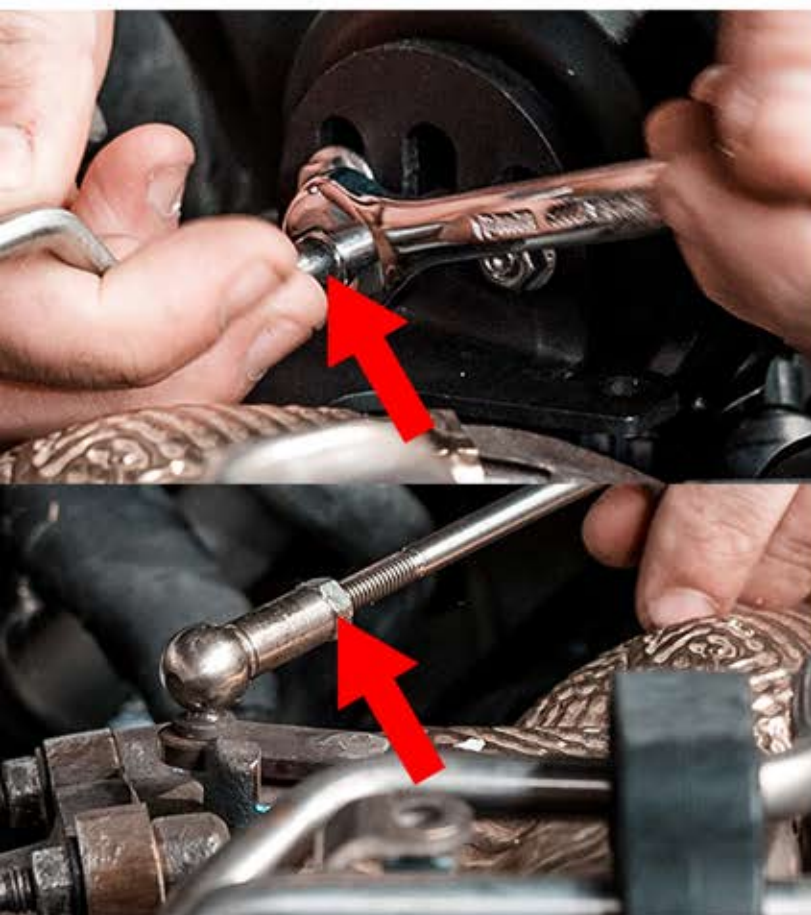
**DRIVER'S SIDE
STEP 14**

**PUSH BALL JOINT DOWN
ONTO BALL AND
LOCK WITH RETAINED WIRE**



STEP 15

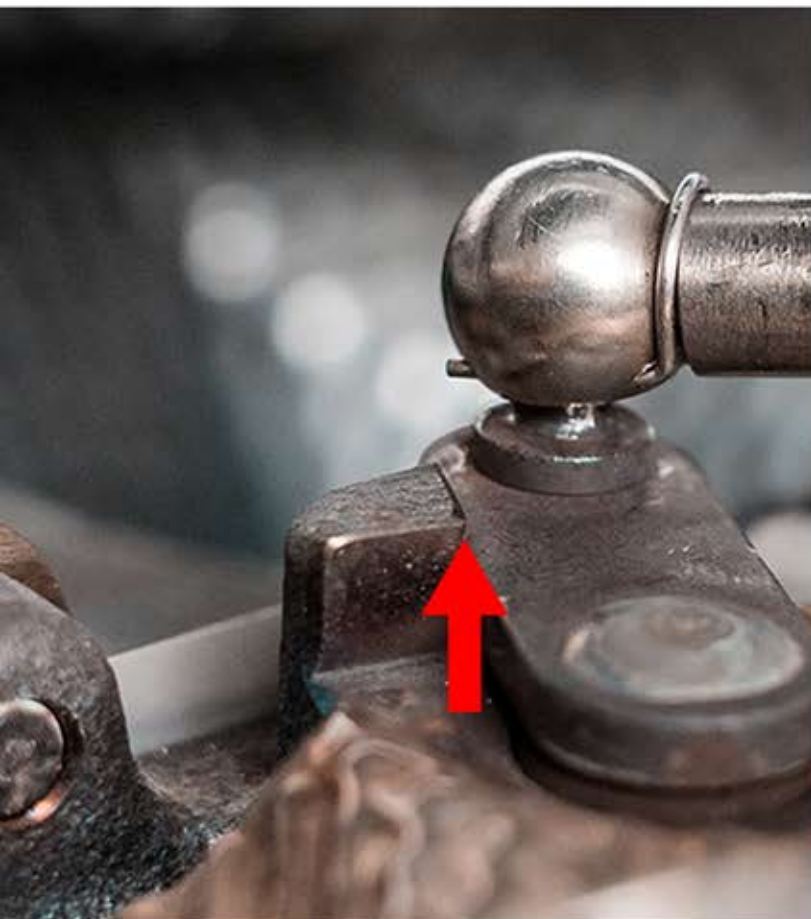
**TIGHTEN DOWN
QTY 2 FLANGE NUTS
WITH 10MM WRENCH**



DRIVER'S SIDE STEP 16

**TIGHTEN BOTH JAM NUTS
WITH 10MM WRENCH**

****BRACE THE ROD
WHILE TIGHTENING****



****CONFIRM WASTEGATE ACTUATOR IS NOT PUSHED OPEN AND ACTUATOR LEVER IS STILL FLUSH AGAINST THE STOP****

****THERE MAY BE PRELOAD REQUIRED BY YOUR TUNER DEPENDING ON DATA LOGS****

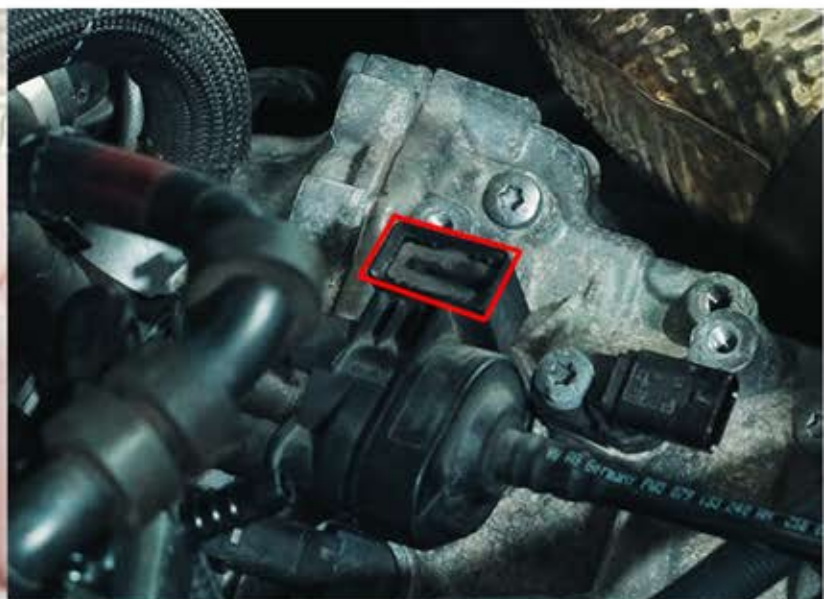


**DRIVER'S SIDE
STEP 17**

**CONNECT VACUUM HOSE
TO WASTEGATE
ACTUATOR BARB**

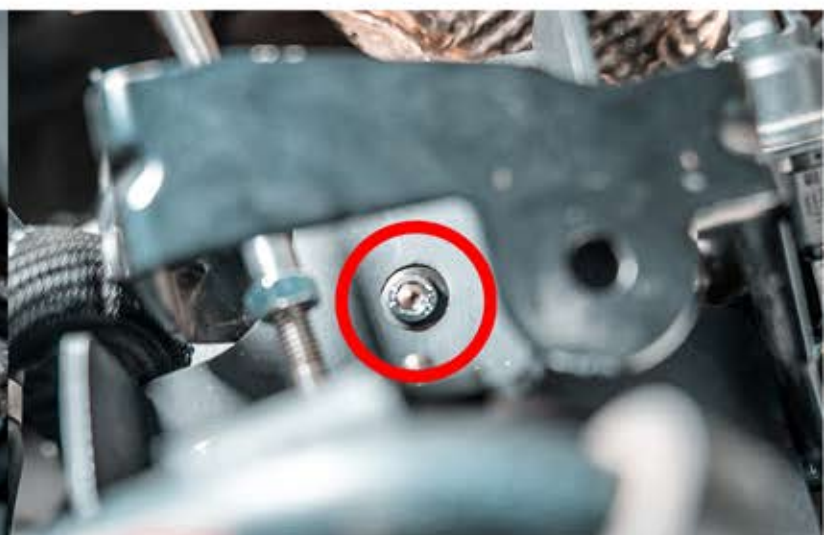
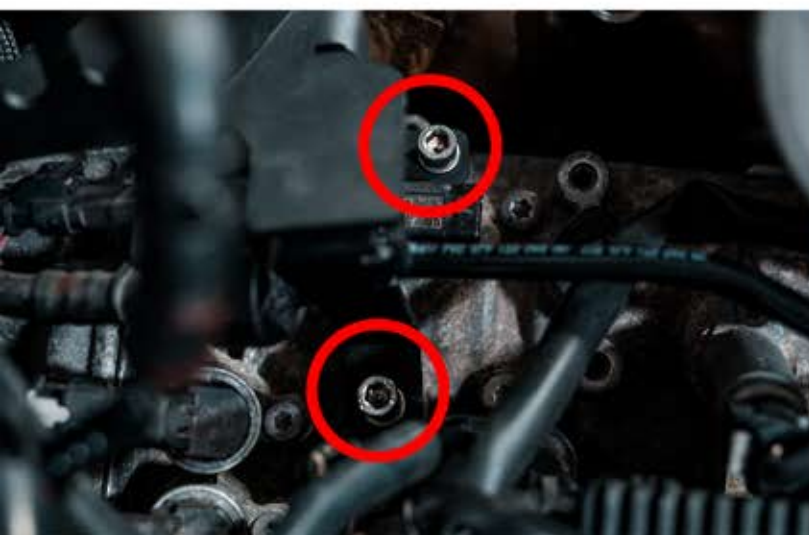
**PASSANGER SIDE
STEP 18**

**INSERT BRACKET TAB INTO RUBBER GROMMET
SHOWN BELOW WHILE
LOWERING BRACKET INTO PLACE**



**PASSANGER SIDE
STEP 19**

**INSTALL PASSANGER SIDE
BRACKET WITH QTY 3 SOCKET
HEAD BOLTS AND WASHERS
AND TIGHTEN**





PASSANGER SIDE STEP 20

**SLIDE WASTEGATE ACTUATOR
INTO BRACKET AND
PARTIALLY THREAD ON
THE M6 JAM NUT**

****THIS WILL BE LOOSELY
FITTED FOR FUTURE STEPS****



PASSANGER SIDE STEP 21

**REMOVE AND RETAIN
LOCKING WIRE FROM
BALL JOINT**

****PLACE THESE IN
A SAFE PLACE TO AVOID
DROPPING THEM IN YOUR
ENGINE BAY****



PASSANGER SIDE STEP 22

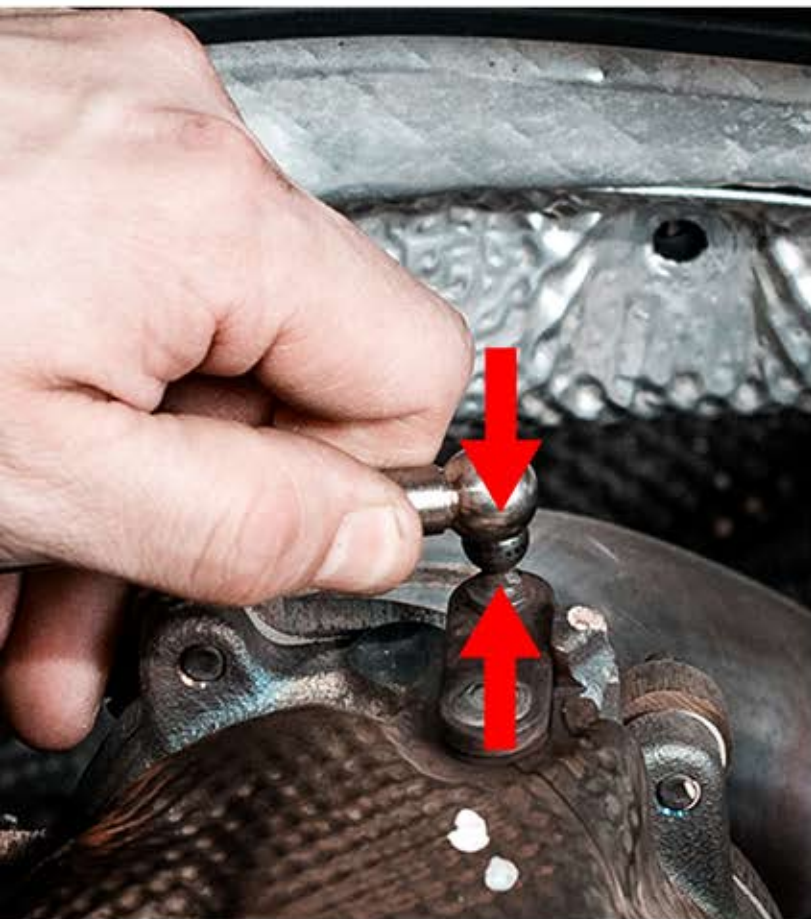
**THREAD ROD ONTO CENTER
POST OF WASTEGATE ACTUATOR**

****YOU WILL NEED TO ADJUST
AT BOTH ENDS TO GET THE ROD
AND BALL JOINT TO
APPROPRIATE LENGTHS****



PASSANGER SIDE STEP 23

**ADJUST BALL END WHILE
HOLDING WASTEGATE ACTUATOR
FLUSH TO BRACKET**



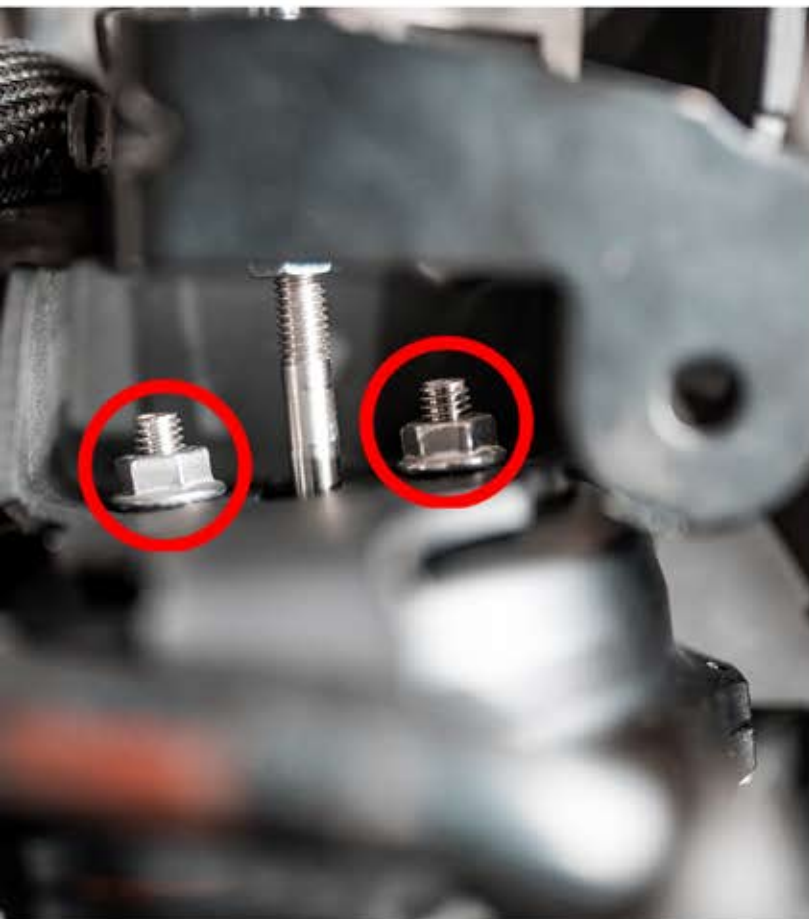
**PASSANGER SIDE
STEP 24**

**BALL JOINT SHOULD LINE UP
WITH BALL WITHOUT
HOLDING THE WASTEGATE
ACTUATOR OPEN OR
PULLING THE ACTUATING LEVER
AWAY FROM END STOP**



**PASSANGER SIDE
STEP 25**

**PUSH BALL JOINT DOWN
ONTO BALL AND
LOCK WITH RETAINED WIRE**



**PASSANGER SIDE
STEP 26**

**TIGHTEN DOWN
QTY 2 FLANGE NUTS
WITH 10MM WRENCH**



**PASSANGER SIDE
STEP 27**

**TIGHTEN BOTH JAM NUTS
WITH 10MM WRENCH**

****BRACE THE ROD
WHILE TIGHTENING****





****CONFIRM WASTEGATE ACTUATOR IS NOT PUSHED OPEN AND ACTUATOR LEVER IS STILL FLUSH AGAINST THE STOP****

****THERE MAY BE PRELOAD REQUIRED BY YOUR TUNER DEPENDING ON DATA LOGS****



**PASSANGER SIDE
STEP 28**

**CONNECT VACUUM HOSE
TO WASTEGATE
ACTUATOR BARB**

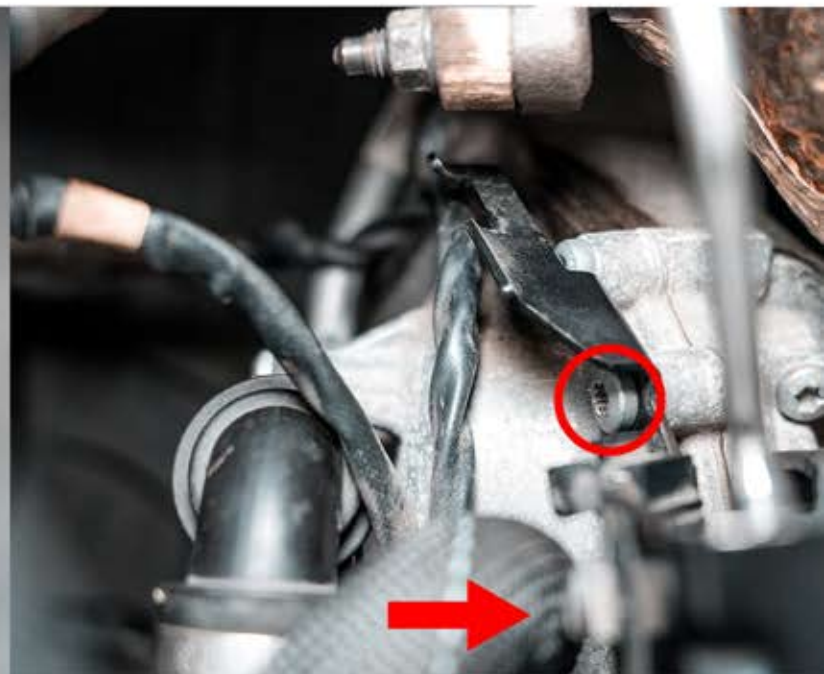
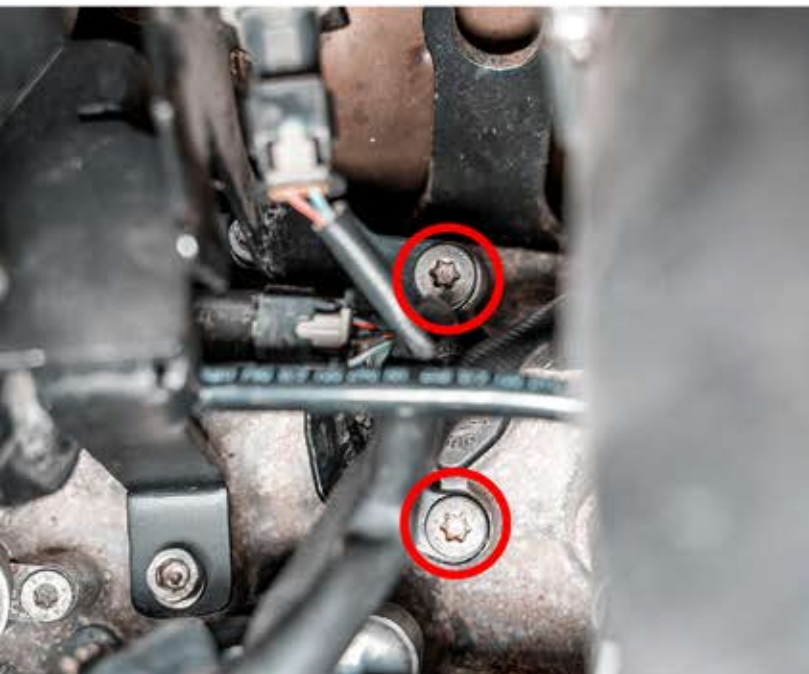


**PASSANGER SIDE
STEP 29**

**RE-ATTACH HOSE WITH
CLAMP**

STEP 30

**RE-INSTALL OVER BRACKET
WITH RETAINED QTY 4 T30 TORX**





**PASSANGER SIDE
STEP 31**

PLUG SENSORS BACK IN

**ENJOY YOUR NEW
WASTEGATE ACTUATORS!**

