

INSTALLATION GUIDELINES

AAE SUBARU EPS RACK



REPLACING SUBARU EPS RACK WITH AAE REMANUFACTURED UNIT

EPS SYSTEM DESCRIPTION

There are two styles of EPS racks for Subaru vehicles based on the location of the EPS control unit (ECU):

- Impreza (12-16), Forester (14-18), and XV (13-17) have an external ECU which is connected to the rack with a harness
 - On these vehicles the EPS rack and the ECU can be replaced separately. Visual inspection and scan tool diagnostics is required to determine which one has failed
- Legacy (15-19), Outback (15-19), and Impreza (17-19) have the steering ECU integrated into the rack assembly
 - On these vehicles the EPS rack cannot be serviced and has to be replaced as an assembly

AAE PART NUMBERS

AAE Part No.	OE Cross References	Applications
ER7010	34110FJ151	Subaru Impreza H4 2.0L 2012-2014
ER7011	34110FJ231	Subaru Impreza H4 2.0L 2015-2016
ER7020	34110SG021	Subaru Forester H4 2.0L 2014-2016; Subaru Forester H4 2.5L 2014-2016
ER7030	34110FJ091	Subaru XV Crosstrek H4 2.0L 2013; Subaru XV Crosstrek H4 2.0L 2014 (exc. Hybrid)
ER7032	34110FJ261	Subaru Crosstrek H4 2.0L 2016-2017; Subaru XV Crosstrek H4 2.0L 2015

INSTALLATION TIPS

- Replacement units don't require any specific programming
- After wheel alignment is adjusted the steering angle sensor (SAS) must be calibrated
 - Note that the SAS is on the steering column and not a part of the EPS rack assembly
- Some third party diagnostic tools such as Autel MaxiSys Elite provide options to perform SAS calibration
- Also many repair shops which offer wheel alignment have the proper equipment to perform SAS calibration
- The OEM diagnostic software is called Subaru Select Monitor and can be used with a J2534 pass-thru device

TROUBLESHOOTING

Two separate service bulletins from Subaru (04-13-14 and 04-24-18) address DTC C2532.

These bulletins are applicable to Impreza (12-16), Crosstrek (13-17), and Forester (14-17). According to Subaru this fault code indicates a malfunction of the ECU which needs to be replaced. In this case the EPS rack is not at fault. Additional note from Subaru is that steering effort may be increased during freezing temperatures.

For Electric Power Steering related questions contact AAE Tech Support Hotline at 1-800-654-7565 (Press 2 for EPS)

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