

INSTALLATION GUIDELINES

AAE HONDA EPS GEAR



REPLACING HONDA EPS GEAR WITH AAE REMANUFACTURED UNIT

STEP 1

Choose the correct replacement part based on vehicle specifics (model year, trim level, wheel size, park assist, engine, etc.) For specific application information visit: www.showmetheparts.com/crp/

STEP 2

When installing a new Honda EPS gear (see list of applicable AAE part numbers), the torque sensor neutral position must be memorized. Necessary hardware and software to perform the torque sensor learn procedure:

HARDWARE: COMPATIBLE J2534 PASS-THRU DEVICE

- There are many different J2534 devices available on the market from manufacturers such as Snap-On, Bosch, Denso, etc.
- CRP suggests CarDAQ-Plus 3 or MongoosePro Honda from Drew Technologies
- For more information, visit www.drewtech.com

SOFTWARE: HONDA I-HDS DIAGNOSTIC SOFTWARE

- Featuring dealer-level diagnostics and ECU reprogramming capabilities
- As of 9/10/19 pricing for i-HDS License on Honda Service Website is:

Software Description	Price
1 Day Subscription	\$10.00
30 Day Subscription	\$133.00
365 Day Subscription	\$1,547.00

To purchase i-HDS subscription, visit www.techinfo.honda.com.

STEP 3

After new a AAE EPS unit is installed perform four wheel alignment according to the original manufacturer specifications.

STEP 4

Connect J2534 device to data link connector (DLC). Within HDS select EPS ADJUSTMENT, then select TORQUE SENSOR LEARN, and follow the screen prompts to complete the procedure.

Important note: The torque sensor is temperature sensitive. When memorizing the torque sensor neutral position, the ambient temperature must be above 68 °F (20 °C). If the torque sensor learn is not done correctly, the steering effort will not be equal in both directions.



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STEP 5

Start the engine, and let it idle. Turn the steering wheel from lock to lock several times. Check that the EPS indicator does not come on.

STEP 6

Delete any DTCs (Diagnostic Trouble Codes) which may have been set in other modules. Test drive to confirm normal operation of EPS gear

AAE EPS HONDA PART NUMBERS

AAE Part No.	Description	OE Cross References	Honda Model(s)
ER1040	REMAN ELECTRIC RACK & PINION	53601T0AA01	CR-V
ER1045	REMAN ELECTRIC RACK & PINION	53601T1WA01	CR-V
ER2027	REMAN ELECTRIC RACK & PINION	53601SNCA98	Civic
ER2029	REMAN ELECTRIC RACK & PINION	53601T2FA04	Accord
ER2032	REMAN ELECTRIC RACK & PINION	53601T2FA94	Accord
ER2039	REMAN ELECTRIC RACK & PINION	53601TR0A04	Civic
ER2040	REMAN ELECTRIC RACK & PINION	53601TS8A04	Civic
ER2042	REMAN ELECTRIC RACK & PINION	53601TR6A91	Civic

