

INSTALLATION GUIDELINES



AAE MAZDA EHPAS PUMP



REPLACING MAZDA EHPAS PUMP WITH AAE REMANUFACTURED UNIT

EHPAS SYSTEM DESCRIPTION

- The power steering system used in Mazda 3 and Mazda 5 is referred to as the Electric Hydraulic Power Assist Steering (EHPAS)
- The assembly consists of reservoir tank, power steering pump, electric motor, and power steering control module

AAE PART NUMBERS

There are two different styles of pumps for Mazda 3 and Mazda 5. Earlier version (for vehicles up to 2010) has three plug connectors. Later version has only two plug connectors.

 <p>3 connectors</p>	AAE Part No.	OE Cross References	Make/Model	Connectors	 <p>2 connectors</p>
	E60002	BP4L32600B	Mazda 3	3	
	E60003	BR5V32600J	Mazda 3, Mazda 5 (w/o DSC)	3	
	E60001	BR5V32600J	Mazda 3, Mazda 5 (w/DSC)	3	
	E60006	BBM532600A	Mazda 3	2	
	E60007	BFD132600B	Mazda 3	2	
	E60008	C59732600A	Mazda 3	2	
	<p>* For specific application information, visit www.showmetheparts.com/crp</p>				

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TIPS

When replacing a Mazda EHPAS pump it must be configured through a scan tool process called PMI (Programmable Module Installation). Software and hardware necessary to carry out PMI:

HARDWARE:

- Mazda VCM II Diagnostic/Scan Tool
- Purchase from Bosch Automotive Service solutions
- For more information visit:
<https://www.mazdaserviceinfo.com/vcm-diagnostic>

SOFTWARE:

- Mazda IDS Software
- Also called Mazda Modular Diagnostic System M-MDS
- To purchase a subscription visit:
<https://www.mazdaserviceinfo.com/ids-software>

- Use scan tool to retrieve the configuration data before removing original unit
- Previously saved data will be used to configure the replacement unit after installation
- If original unit is not available or not communicating then 'as-built data' needs to be obtained from Mazda's website
- Always inspect the rest of the powers system including the rack and pinion and hose assemblies
- Completely flush power steering system to remove any debris which may cause subsequent failure
- Power steering fluid specification: ATF M-III or equivalent
- After installation always bleed air from power steering system

CRP RECOMMENDATIONS FOR A COMPLETE REPAIR

- For all Mazda EHPAS pumps, Pentosin offers compatible power steering fluid ATF44 – P/N 1058112 for 1L and P/N 1058212 for 5L
- For models before 2010, AAE also offers new (no core charge) hydraulic power steering rack – P/N 3185N
- For models 2010 and up, REIN offers power steering pressure line hose assembly – P/N PSH0573

TROUBLESHOOTING

- Replacing the EHPAS unit is a routine procedure. However, if proper steps are not taken you may end up with no power steering assist and warning light on. See below two common fault codes and how to avoid them.
- B2477 is a DTC which indicates that the module configuration procedure was not completed properly. CRP recommends using Mazda IDS and VCM II scan tool described above.
- C1099 is a DTC caused by contamination of the powering steering system which leads to lower revolution speed of the pump and heavy steering. The proper remedy would include a complete flush of the system before installing a replacement pump.

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

