

**SUBJECT: Engine Knock At Low Idle For 1997-1998 T444E Engines**

Reference: International® Technical Service Information, TSI-01-12-04, March, 2001

After listing an extensive series of diagnostic steps to correct “engine knock at low idle” in vehicles equipped with T444E engines in model years 1997-1998, the referenced bulletin’s final step recommends installing a “long lead” injector, designated AF, in the number eight cylinder in place of the existing AB Injector. The key point of the bulletin is to verify fuel pressure is 65-75 psi at low idle before proceeding with any further diagnostics. The table below summarizes the injector application details.

Engine	Year range	ESN range	Long lead injector OEM part	Injector short designation
T444E	1997-1998	460,195 to 843,989	1833647C1 (1833643C1) (1833641C1)	AF

In recognition of the extremely low volumes of AF Injectors sold as original equipment and the lack of demand in the aftermarket, Alliant Power has chosen not to stock this injector. If demand increases to economic order quantities we will stock this part number.

Note: AE Injectors installed in number eight cylinders in place of AD Injectors to correct “cackle” problems in 1999-2002 Power Stroke® and 2002-2003 T444E applications are not a substitute for AF Injectors

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