

SUBJECT: Navistar® Injector Sleeve Material
Injector Sleeve

Beginning with engine serial number 1194039 in model year 2000, Navistar changed the injector sleeve material on their inline engines (DT466E and I530E) from cuper-nickel to stainless steel.

Chamber Gaskets

Navistar also introduced stainless steel chamber gaskets to be used in conjunction with the new sleeves. Navistar does not recommend using stainless steel gaskets with previous years' cuper-nickel-sleeved engines.

Because Alliant Power Injectors come equipped with chamber gaskets, the following part numbers are affected:

- AP63811BI: Depending on the serial number break of the engine they are to be installed in, it is possible some engines build prior to the serial number break would have rebuilt cylinder heads with stainless steel sleeves.
- All AP63813BN and AP63814BP Injectors

Effective immediately, AP63813BN and AP63814BP Injectors will be equipped with stainless steel gaskets. Because AP63811BI Injectors may be installed in cylinder heads with either cuper-nickel or stainless steel sleeves, each injector will be shipped with a copper chamber gasket installed, along with a Gasket Application Guide (BI0603II, see page 2) and a separate stainless steel gasket to be installed by the injector installer, if appropriate.

Gasket Application Guide

Important: This AP63811BI Injector uses either a copper or stainless steel chamber gasket. To determine the proper gasket for your application, identify your engine serial number and then refer to the table below:

Esn range	Cylinder head injector Sleeve material	Chamber gasket material
0 to 1,194,038	Copper	Copper
1,194,039 to End	Stainless Steel	Stainless Steel

Gasket Removal and Installation

Instructions If the appropriate gasket for your engine is not installed on this injector, use a sharp blade to carefully pry the gasket away from the nozzle case. Then use your fingers to slide the gasket off the tip. To install the new gasket, position the gasket squarely over the nozzle tip. Use a deep well 8 mm socket as a mandrel and gently tap on the socket to get the gasket started. Then, use finger pressure to slide the gasket until it contacts the nozzle case.

For more information visit

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