

**SUBJECT: High-Pressure Oil Pump, Hose, and Fitting Update | R-1**

The high-pressure oil system on 2007-2010 MaxxForce® DT / 9 / 10 engines has been redesigned by the OEM to utilize a larger high-pressure hose, pump outlet fitting, and cylinder head fitting. The thread size on the hose changed from 13/16 UNC-2B to 1-1/4 UNS-2B and the diameter of the O-ring seal on the hose fittings changed from 0.070" (1.78 mm) to 0.103" (2.61 mm). This change took place starting with ESN (engine serial number) 3,040,001. Engines built prior to ESN 3,040,001 came equipped with the smaller hose and fittings which are no longer available.

All four high-pressure oil pumps that Alliant Power offers for these applications come with the late style (larger) pump outlet fitting installed. These pumps are available with and without the late style (larger) high-pressure hose and cylinder head fitting depending on application requirements. The high-pressure pump with hose and fitting is required if the ESN is below 3,040,001 and the system has not been updated. The high-pressure pump is all that is needed if the system has already been updated or the ESN is 3,040,001 or later. The table below specifies the proper application of the high-pressure oil pumps offered by Alliant Power.

ESN range	Displacement	AP part number	OEM part number
3,000,001 to 3,040,000	12cc	AP636941	1876105C95 1832093C2 1879744C2 1832092C92 1879743C93
	16cc	AP636951	1882259C93 <sup>2</sup> 1876106C94 1832095C2 1832094C92
3,040,001 to 3,300,000	12cc	AP63696	1882258C93 1832093C2 1879744C2 1832092C92 1879743C93
	16cc	AP63697	1882259C93 <sup>2</sup> 1832095C2 1832094C92 1879747C2 1879745C93


 Early Style (Smaller)  
Pump Outlet Fitting

 Late Style (Larger)  
Pump Outlet Fitting

1. Includes late style (larger) high-pressure hose and cylinder head fitting.
2. OEM part numbers for both the early and late 16cc high-pressure oil pump supersede to 1882259C93. The ESN must be used to determine which Alliant Power part number is required.

**R1-Updated part numbers**

For more information visit

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