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Coding Information

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Title: Maxxforce 11/13L and N13L Cylinder Head Crack Inspection

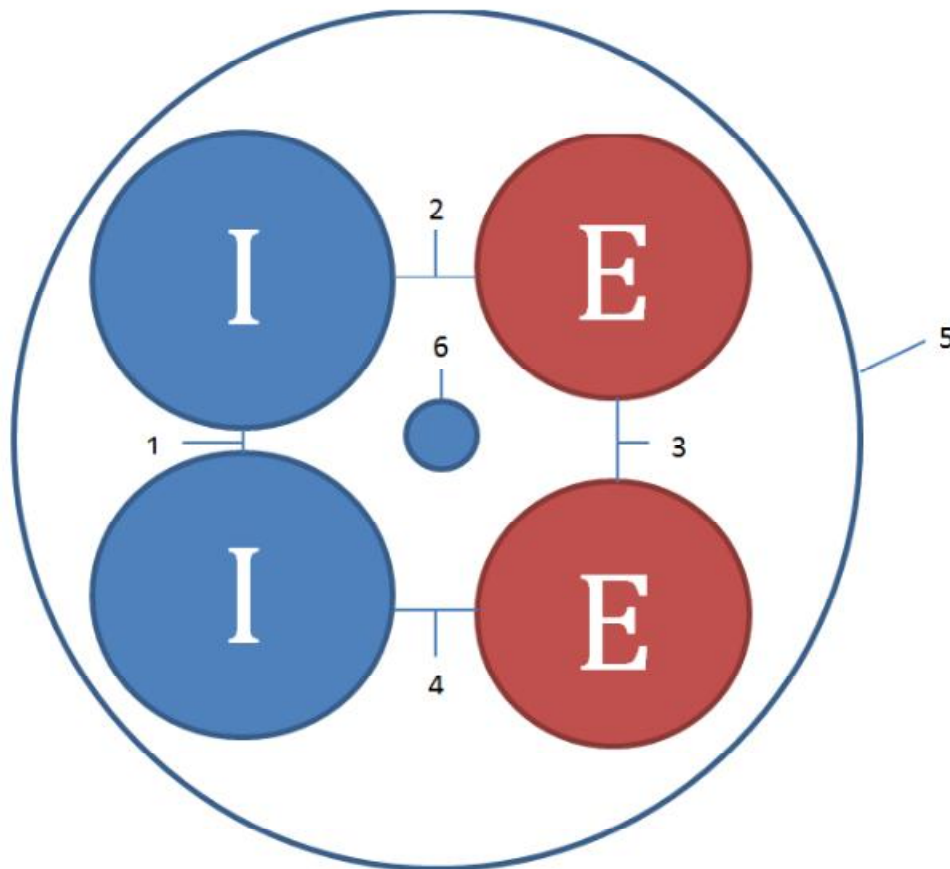
Applies To: All Maxxforce 11/13L engines and N13 engines

CHANGE LOG

2015/08/24 - Updated visibility
2014/04/09 - Launch as internal release only

DESCRIPTION

MF 11/13, N13 Cylinder Head Crack Inspection Guide



Acceptable Cracks

- Cracks of any length in location 1, between the intake ports, are acceptable
- Cracks of less than 3 mm length from location 6, Injector bore are acceptable
- Cracks between all other ports, locations 2,3, &4 are only acceptable if they are less than 3mm in length and do not contact the valve seat
- Cracks that appear on the surface of the fire deck and are less than 3mm in length; including cracks emanating from valve seats but not between valves

Unacceptable cracks

- Any cracks that run the entire length between the ports in locations 2,3, &4 are unacceptable and warrant cylinder head replacement
- Any cracks, regardless of length, that run along the combustion sealing surface, location 5, are unacceptable and warrant cylinder head replacement
- If there are multiple cracks propagating from a single valve seat, the head warrants replacement
- If there are cracks in multiple locations 1-4, on any single cylinder, the head warrants replacement

WARRANTY INFORMATION

Warranty Claim Coding:

Group: 12000 - Engine

Noun: 342 - Head, Cylinder

Standard Repair Times:

Description	SRT Link	SRT	Hours
Cylinder Head Inspection	N/A	T-Time	.5
Cylinder Head Replacement 7600, 8600	N12-1342L	Time	19.4
Cylinder Head Replacement 7600, 8600 w/2010 Emissions	N12-1342U	Time	19.9
Cylinder Head Replacement Prostar 122BBC	R12-1342L	Time	20.2
Cylinder Head Replacement Prostar 113BBC	R12-1342L-20	Time	19.9
Cylinder Head Replacement Prostar w/2010 Emissions Engines	R12-1342U	Time	19.7
Cylinder Head Replacement 5000 w/2010 Emissions Engines	T12-1342U	Time	18.9

Service Parts

Part Number	Part Description
3004732C97	11L Cylinder Head removal Kit
3004733c97	13L Cylinder Head Removal Kit
3006180C95	13L Cylinder Head Kit
3004727C94	11L Cylinder Head Kit
3006231C92	Cylinder Head, Before 10/11/2010
3006231C93	Cylinder Head, 10/11/2010 and Later
62039010402	13L Cylinder Head Gasket
62039010403	11L Cylinder Head Gasket

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