



ISM Overhaul Kit Reference Guide



Cylinder Head*	Critical Parts List (CPL)	Overhaul Kit Part Number	Cylinder Liner (6)	Cylinder Liner Kit (6)	Connecting Rod Bearing (12)	Main Bearing Std. (1 Set)	Main Bearing Top (7)	Main Bearing Bottom (7)	Oil Pan Gasket (1 Set)	Upper Engine Gasket (1 Set)	Engine Piston Kit (6)	Thrust Bearing Top (2)	Thrust Bearing Bottom (2)
ISM													
4999617, 4952453RX, 2864028 (automotive above 370HP***) 3403199RX (automotive 370HP and below)	2199, 2200, 2350, 2477, 2562, 2563, 2576, 2607, 2608, 2610, 2611, 2612, 2614, 2615	409000800 <i>Articulated Piston</i>	****	3803703	3016760	4025125	****	****	4318308	4089478**	4025158	****	4926017
2002 ISM													
4952829RX, 4083406RX	8271, 8272, 8273, 8274, 8309, 8377, 8427, 8503, 8504, 8506, 8556, 8557, 8558, 8559, 8560, 8561, 8562, 8563, 8572	491878700 <i>Articulated Piston</i>	****	4089388	3016760	****	3016770	3016780	4318308	4089478**	4089386	4926018	4926017
4952453RX	8271, 8272, 8273, 8274, 8309, 8377, 8427, 8503, 8504, 8506, 8556, 8557, 8558, 8559, 8560, 8561, 8562, 8563, 8572	491878600 <i>Non- Articulated Piston</i>	****	3800477	3016760	4025120	****	****	4318308	4089478**	****	****	****
2007 ISM													
2864028***	2725, 2727, 2728, 2729, 2730, 2731, 2800, 3280, 3281, 3330	491878700 <i>Articulated Piston</i>	****	4089388	3016760	****	3016770	3016780	4318308	4089478**	4089386	4926018	4926017

* Cylinder Head is not included in Overhaul Kit, only shown as reference.

** When servicing an engine with EGR, use EGR/Air Handling Gasket Set 4089666 in addition to Upper Engine Gasket Set 4089478.

*** Must purchase Rocker Housing Capscrew P/N 2863697 (Quantity 6) and Cup Plug P/N 205401 (Quantity 1) when replacing Cylinder Head 2864028.

**** Part included in higher assembly.



Cummins Inc.
Box 3005
Columbus, IN 47202-3005
U.S.A.

Phone: 1-800-DIESELS (1-800-343-7357)
Fax: 1-800-232-6393
Internet: quickserve.cummins.com

Bulletin 2878870 Printed in U.S.A. 11/13
©2013 Cummins Inc.