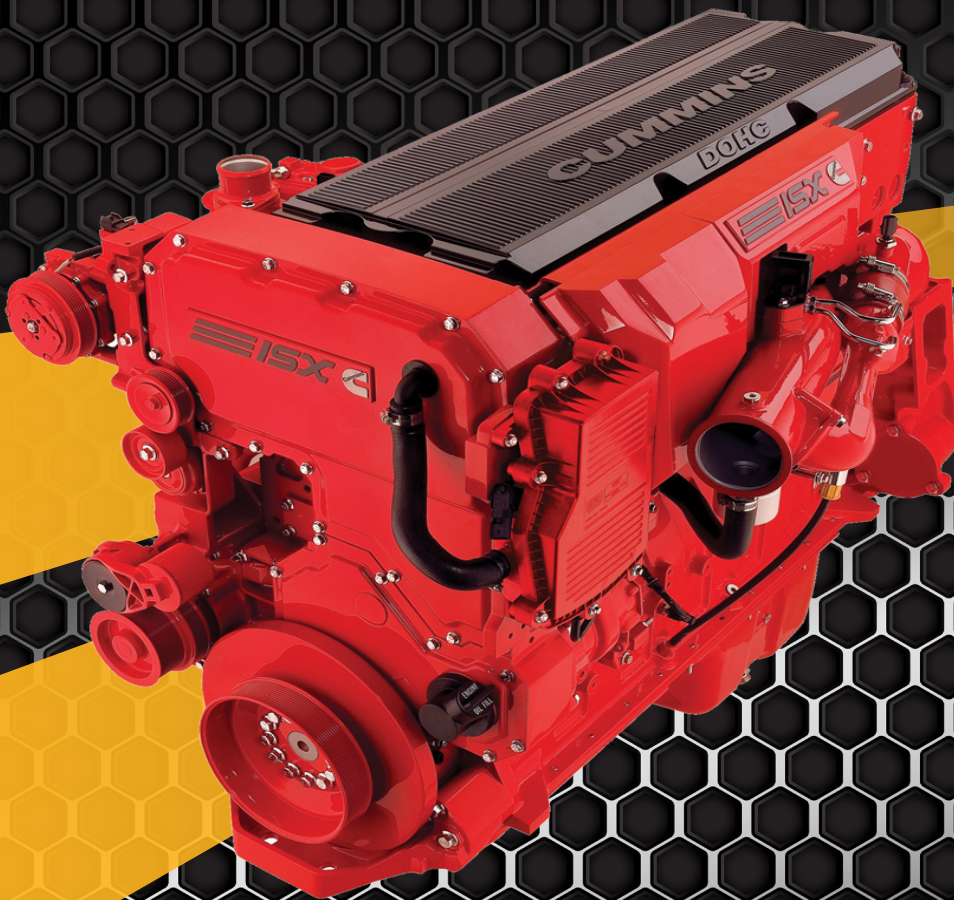




REPLACEMENT PARTS FOR

CUMMINS®

ISX ENGINE APPLICATION



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ISX CPL LISTING

CPL #	Model	Liner OD	In-Frame Kit Non-APR	APR In-Frame Kit	Lower Gasket Set	Fuel Injector
927	ISX 07	150mm	N/A	4376174	4955591	
		APR	N/A	4376428		
1434	ISX 07	150mm	N/A	4376174	4955591	4954888
		*In Development	N/A	4376428		
1437	ISX 870	150mm	N/A	4376175	4955591	
		GASKET SET	N/A	5405988		
1771	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088301
		INJECTOR	N/A	4376429		
1732	QXS 07	150mm	4352291	*In Development	4955590	4928260
2440	ISX1 / ISX2	150mm	N/A	4376171	4955590	4010292
		152mm	N/A	4376429		
2441	ISX1 / ISX2	150mm	N/A	4376171	4955590	4062567
		152mm	N/A	4376429		
2442	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2483	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2627	ISX1 / ISX2	150mm	N/A	4376171	4955590	4010292
		152mm	N/A	4376429		
2628	ISX 400/450	150mm	N/A	4376171	4955590	4010292
		152mm	N/A	4376429		
2629	ISX500/475 ST2	150mm	N/A	4376171	4955590	4088301
		152mm	N/A	376429		
2630	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2631	ISX 450	150mm	N/A	4376171	4955590	4010292
		152mm	N/A	4376429		
2632	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088301
		152mm	N/A	4376429		
2633	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2732	ISX 07	150mm	N/A	4376175	4955591	4954434
		152mm	N/A	5405988		
2733	ISX 07	150mm	N/A	4376174	4955591	4954888
		152mm	N/A	4376428		

*In development at time of publication. Call for availability.

All manufacturer's names, symbols and descriptions are used for reference only and it is not implied that any part is the product of these manufacturers.

ISX CPL LISTING

CPL#	Model	Liner OD	In-Frame Kit Non-APR	APR In-Frame Kit	Lower Gasket Set	Fuel Injector
2801	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2803	ISX1 / ISX2	150mm	N/A	4376171	4955590	4010292
		152mm	N/A	4376429		
2814	ISX1 / ISX2	150mm	N/A	4376171	4955590	4062567
		152mm	N/A	4376429		
2816	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2825	Industrial / GenSet	150mm	4352288	*In Development	4955590	4062569
2834	Signature 600/565	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2835	Signature 600/565	150mm	4352288	*In Development	4955590	4062568
2836	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2837	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2900	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
2919	ISX 07	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
2933	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088301
		152mm	N/A	4376429		
2934	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088301
		152mm	N/A	4376429		
2965	ISX 07	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
3087	QSX 07	150mm	4352291	In Development	4955590	4928260
3088	QSX 07	150mm	4352291	In Development	4955590	4928260
3167	ISX 07	150mm	N/A	4376174	4955591	
		152mm	N/A	4376428		
3229	ISX 07	150mm	N/A	4376175	4955591	4954434
		152mm	N/A	5405988		
3320	ISX 07	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
3348	ISX10	150mm	N/A	5473065	2881766	
		152mm	N/A	4376427		
3349	ISX10	150mm	N/A	5473065	2881766	
		152mm	N/A	5473066		

*In development at time of publication. Call for availability.
Always verify ESN for proper fitment.

ISX CPL LISTING

CPL #	Model	Liner OD	In-Frame Kit Non-APR	APR In-Frame Kit	Lower Gasket Set	Fuel Injector
3350	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3356	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3376	ISX10	150mm	N/A	5473065	2881766	
		152mm	N/A	4376427		
3458	ISX 07	150mm	N/A	4376174	4955591	
		152mm	N/A	4376428		
3459	ISX 07	150mm	N/A	4376175	4955591	
		152mm	N/A	5405988		
3490	ISX10	150mm	N/A	5473065	2881766	
		152mm	N/A	5473066		
3491	ISX10	150mm	N/A	5473065	2881766	
		152mm	N/A	5473066		
3566	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3567	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
3606	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3657	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
3687	ISX10	150mm	N/A	5473065	2881766	
		152mm	N/A	5473066		
3688	ISX10	150mm	N/A	5473065	2881766	
		152mm	N/A	5473066		
3719	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
3724	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
3765	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3766	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3775	ISX 07	150mm	N/A	4376175	4955591	
		152mm	N/A	5405988		

ISX CPL LISTING

CPL #	Model	Liner OD	In-Frame Kit Non-APR	APR In-Frame Kit	Lower Gasket Set	Fuel Injector
3794	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3797	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
3937	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
3938	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5405987		
3939	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
4262	Q SX 07	150mm	4352291	Call for Availability	4955590	4955590
4495	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5405987		
4583	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
4584	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
4585	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
4586	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
4587	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
4588	ISX10	150mm	N/A	5473069	2881766	
		152mm	N/A	5473070		
4761	ISX10	150mm	N/A	5473074	2881766	
		152mm	N/A	5473075		
8046	ISX 450 ST2	150mm	N/A	4376171	4955590	4062567
		152mm	N/A	4376429		
8047	ISX 450 ST2	150mm	N/A	4376171	4955590	4062567
		152mm	N/A	4376429		
8048	ISX1 / ISX2	150mm	N/A	4376171	4955590	4062567
		152mm	N/A	4376429		
8081	Industrial / GenSet	150mm	4352288	Call for Availability	4955590	4062569
8083	ISX1 / ISX2	150mm	N/A	4376171	4955590	4062569
		152mm	N/A	4376429		

*In development at time of publication. Call for availability.

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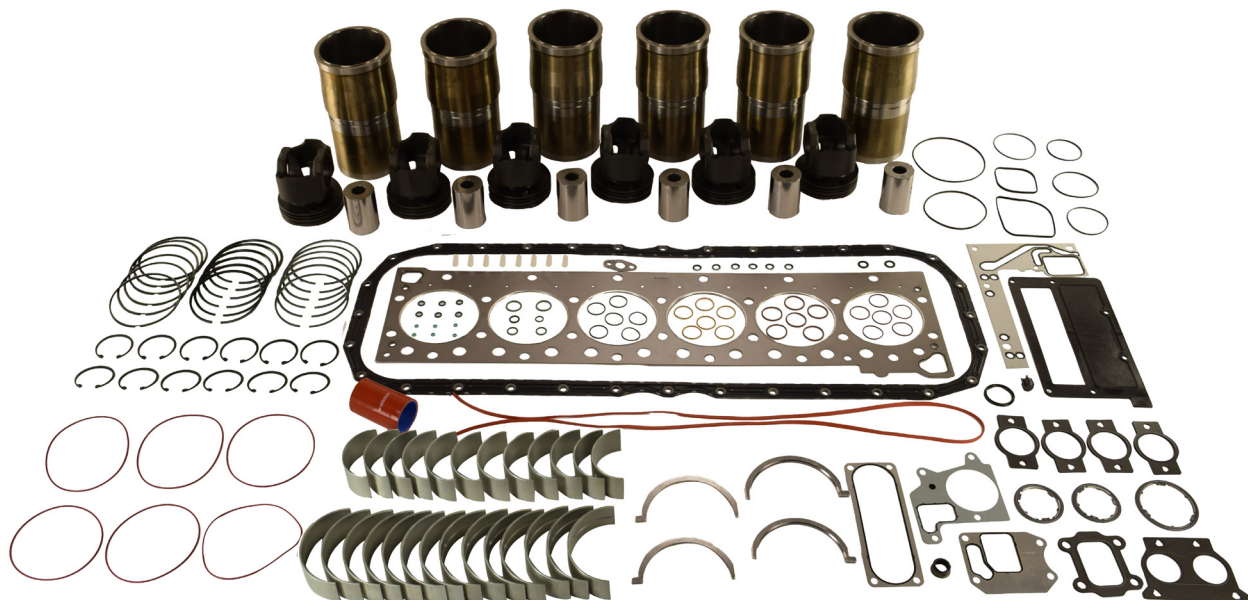
ISX CPL LISTING

CPL #	Model	Liner OD	In-Frame Kit Non-APR	APR In-Frame Kit	Lower Gasket Set	Fuel Injector
8125	ISX2 / ISX3 EGR	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8142	Industrial / GenSet	150mm	4352288	*In Development	4955590	4062569
8242	ISX1 / ISX2	150mm	N/A	4376171	4955590	4062569
		152mm	N/A	4376429		
8243	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088327
		152mm	N/A	4376429		
8244	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088301
		152mm	N/A	4376429		
8246	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
8247	ISX3 / Signature	150mm	N/A	4352287	4955590	4062568
		152mm	N/A	*In Development		
8255	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088327
		152mm	N/A	4376429		
8257	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088327
		152mm	N/A	4376429		
8258	ISX1 / ISX2	150mm	N/A	4376171	4955590	4088327
		152mm	N/A	4376429		
8281	ISX2 / ISX3 EGR	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8282	ISX2 / ISX3 EGR	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8283	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8284	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8285	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8286	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8287	ISX 870	150mm	N/A	4376175	4955591	4088665
		152mm	N/A	5405988		
8288	ISX 870	150mm	N/A	4376175	4955591	4088665
		152mm	N/A	5405988		

*In development at time of publication. Call for availability.
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ISX CPL LISTING

CPL #	Model	Liner OD	In-Frame Kit Non-APR	APR In-Frame Kit	Lower Gasket Set	Fuel Injector
8469	QSX15	150mm	4352288	*In Development	4955590	4062569
8518	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8519	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8520	ISX 870	150mm	N/A	4376175	4955591	4088665
		152mm	N/A	5405988		
8521	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8522	ISX 870 HHP	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8523	ISX 870	150mm	N/A	4376175	4955591	4088665
		152mm	N/A	5405988		
8571	QSX15	150mm	4352288	In Development	4955590	4062569
8587	QSX15	150mm	4352288	In Development	4955590	4062569
8588	QSX15-C440	150mm	4352288	In Development	4955590	4062569
8660	ISX 07	150mm	N/A	4376174	4955591	4088665
		152mm	N/A	4376428		
8760	QSX 07	150mm	4352291	In Development	4955590	4928260
8761	QSX 07	150mm	4352291	In Development	4955590	4928260
8762	QSX 07	150mm	4352291	In Development	4955590	4928262
8764	QSX 07	150mm	4352291	In Development	4955590	



ISX IN-FRAME ENGINE KITS

Model	Piston	Skirt Type	Top Ring Location	Top Land Diameter	Liner OD Size	In-Frame Engine Kit	Scrapper Ring In-Frame Kit
ISX CM570	2863938	Closed	High	Large	150mm	N/A	4376171
					152mm		4376429
	2863939	Closed	High	Large	150mm	N/A	4352287
					152mm		N/A
	2882635	Closed	High	Reduced	150mm	N/A	4376171
					152mm		4376429
	2882636	Closed	High	Reduced	150mm	N/A	4352287
					152mm		N/A
QSX CM570	3104186	Open	High	Large	150mm	4352291	In Development
					152mm	N/A	
	4298991	Open	High	Reduced	150mm	4352291	
					152mm	N/A	
	4298992	Open	High	Reduced	150mm	4352288	
					152mm	N/A	
	4923744	Open	High	Large	150mm	4352288	
					152mm	N/A	
ISX CM870 CM871	2882630	Closed	High	Reduced	150mm	N/A	4376175
					152mm		5405988
	2882631	Closed	High	Reduced	150mm	N/A	4376174
					152mm		4376428
	3684467	Closed	High	Large	150mm	N/A	4376174
					152mm		4376428
	3684472	Closed	High	Large	150mm	N/A	4376175
					152mm		5405988
ISX15 CM2250 CM2350	3686366	Closed	Low	Large	150mm	N/A	P273602
					152mm		P273603
	3687177	Closed	Low	Large	150mm	N/A	P273604
					152mm		P273605
	3687605	Closed	Low	Large	150mm	N/A	5473074
					152mm		5473075
	3687897	Closed	Low	Reduced	150mm	N/A	5473074
					152mm		5473075
	3688099	Closed	Low	Reduced	150mm	N/A	5473065
					152mm		5473066
	3688100	Closed	Low	Reduced	150mm	N/A	5473069
					152mm		5473070
	3688405	Closed	Low	Reduced	150mm	N/A	5473074
					152mm		5473075

RE-RING ENGINE KITS - TWIN CAM MODELS

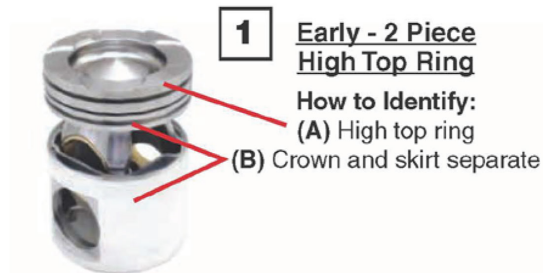
Part #	Qty	Description	Note
4025214	1	Inframe Kit - Re-Ring - 2pc Articulated	150mm Non-APR
4309389-2CA	1	Inframe Kit - Re-Ring - 1pc Steel	150mm Non-APR
4376392-2	1	Inframe Kit - Re-Ring - 1pc Steel	152mm Non-APR with loose shim
4309389-1	1	Inframe Kit - Re-Ring - 1pc Steel	150mm Non-APR with EGR
4376392-1	1	Inframe Kit - Re-Ring - 1pc Steel	152mm Non-APR with EGR
4376168-1	1	Inframe Kit - Re-Ring - 1pc Steel	150mm APR
4376391-1	1	Inframe Kit - Re-Ring - 1pc Steel	152mm APR with loose shim

RE-RING ENGINE KITS - SINGLE CAM MODELS

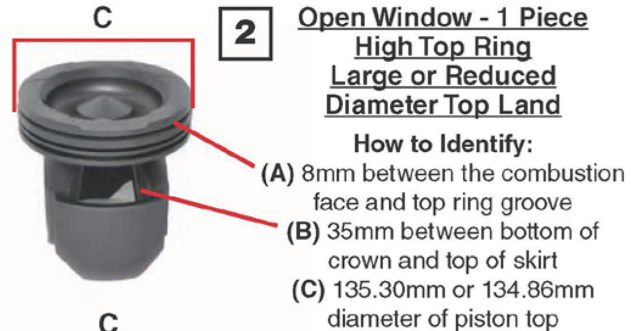
Part #	Qty	Description	Note
4309389	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	150mm Non-APR
4376392	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	152mm Non-APR with loose shim
4376168	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	150mm APR
4376391	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	152mm APR with loose shim



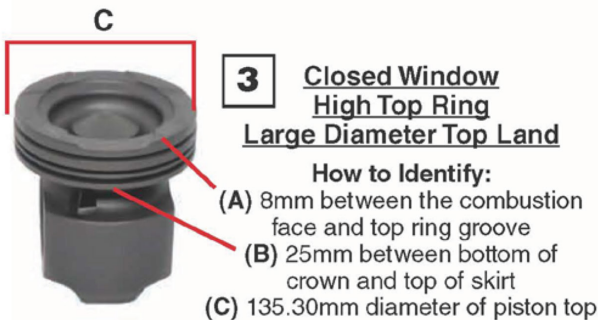
PISTON PROGRESSION



- 1** Early - 2 Piece High Top Ring
How to Identify:
 (A) High top ring
 (B) Crown and skirt separate



- 2** Open Window - 1 Piece High Top Ring Large or Reduced Diameter Top Land
How to Identify:
 (A) 8mm between the combustion face and top ring groove
 (B) 35mm between bottom of crown and top of skirt
 (C) 135.30mm or 134.86mm diameter of piston top



- 3** Closed Window High Top Ring Large Diameter Top Land
How to Identify:
 (A) 8mm between the combustion face and top ring groove
 (B) 25mm between bottom of crown and top of skirt
 (C) 135.30mm diameter of piston top



- 4** Closed Window High Top Ring Reduced Diameter Top Land
How to Identify:
 (A) 8mm between the combustion face and top ring groove
 (B) 25mm between bottom of crown and top of skirt
 (C) 134.86mm diameter of piston top



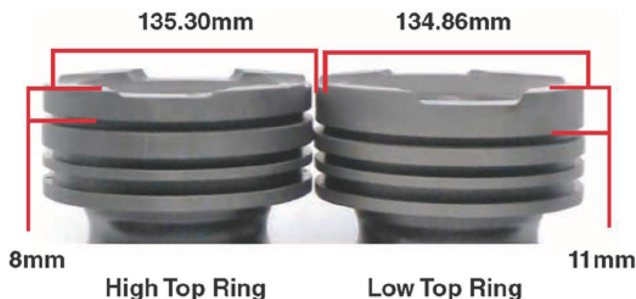
- 5** Closed Window Low Top Ring Large Diameter Top Land
How to Identify:
 (A) 11mm between the combustion face and top ring groove
 (B) 25mm between bottom of crown and top of skirt
 (C) 135.30mm diameter of piston top



- 6** Closed Window Low Top Ring Reduced Diameter Top Land
How to Identify:
 (A) 11mm between the combustion face and top ring groove
 (B) 25mm between bottom of crown and top of skirt
 (C) 134.86mm diameter of piston top

****Please note: Piston types cannot be mixed in the same engine. Mixing piston types will lead to catastrophic engine failure.**

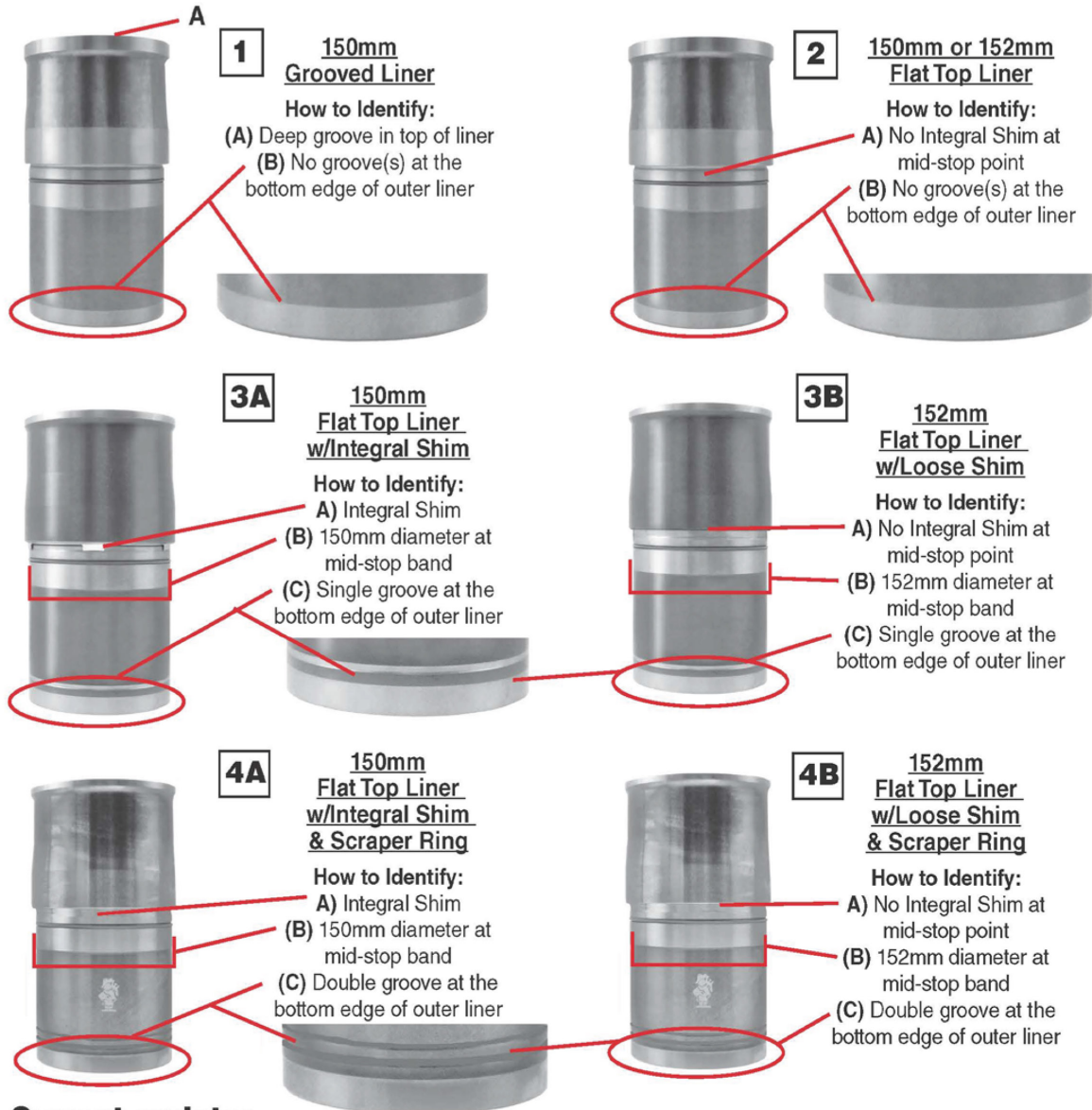
Top Ring Identification



Window Identification



CYLINDER LINER PROGRESSION



Current update:

The current update refers to the introduction of the carbon scraper ring cylinder liner commonly known as an APR (Anti-Polishing Ring) liner. This liner contains a counter bore at the top in which a removable steel ring is inserted to remove the carbon from the sides of the piston preventing it from contact with the liner walls.

Flat Top Liner
No Counter Bore



Scraper Ring Liner
Counter Bore



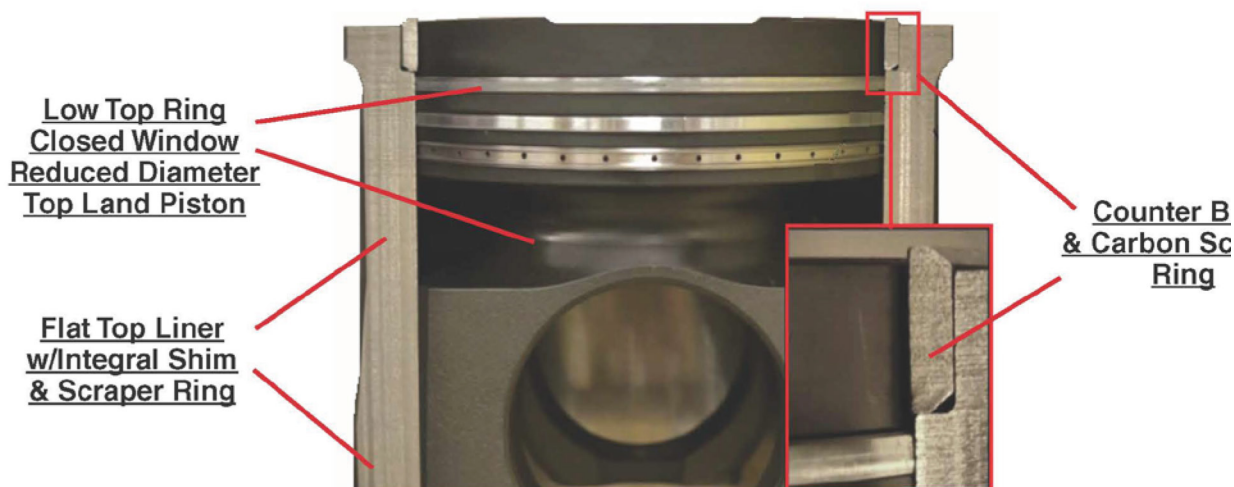
Scraper Ring



POWER CYLINDER UPDATE

Current Power Cylinder components incorporate the use of a Carbon Scraper Ring cylinder liner commonly known as an APR (Anti-Polishing Ring) liner and a Low Top Ring, Reduced Diameter Top Land Piston. The liner contains a counter bore at the top in which a removable steel ring is inserted. This ring scrapes the carbon from the sides of the piston and aids in reducing carbon polishing of the cylinder liner walls.

The Carbon Scraper Liner is designed to only be used with Low Top Ring and Reduced Diameter Pistons. These improvements are designed to aid in decreasing oil consumption, oil filter flow and DPF regeneration.



Compatibility Cylinder Liner – Piston – Connecting Rod

- Open Skirt Pistons cannot be used with Carbon Scraper Ring (APR) Cylinder Liners.
- High Top Ring Pistons cannot be used with Carbon Scraper Ring (APR) Cylinder Liners.
- Carbon Scraper Ring Cylinder Liners must use a Closed Window, Reduced Diameter, Low Top Ring Pistons
- All six cylinder liners installed must be of the same type.
- Liner Shims must be replaced with new shims upon installation.
- Service Tool 5299448 is required for Scraper Ring Liner piston installation.
- All one piece pistons require drilled connecting rods and drilled bearings.
- Machined (saw cut) connecting rods and fractured-split connecting rods require different bearings which are not interchangeable.



CYLINDER COMPONENTS

Part #	Qty	Description	Note
2881758	6	Piston Kit APR - X15 Tier 4	3688099 body
2881873	6	Piston Kit - ISX1 / ISX2	2882635 body
2881876	6	Piston Kit - ISX3 / Signature	2882636 body
2882023	6	Piston Kit APR - X15 Tier 4	3688100 body
2882080	6	Piston Kit APR - X15 Tier 4	3687897 body
4376241	6	Piston Kit APR - ISX 570	4357150 body
4376242	6	Piston Kit APR - ISX 570 - HHP	4367126 body
4376243	6	Piston Kit APR - ISX 870/1	4367161 body
4376244	6	Piston Kit APR - ISX 870/1 - HHP	4357173 body
4309442	6	Piston Ring Set	2pc Articulated piston
4309441	6	Piston Ring Set	1pc Steel piston (5405717)
2881756	6	Piston Ring Set	ISX15 HPCR (5405718,4376565)
3689296	6	Piston Pin	1pc Steel piston
3064305	12	Piston Pin Retainer	
4089153	N/A	Cylinder Liner Kit - Non-APR	150mm - Obsolete use 4309389
4089153	6	Cylinder Liner Kit - Non-APR	150mm w/ Integral Shim (4376430)
4376168	6	Cylinder Liner Kit - APR	150mm w/ Integral Shim (5472970)
4376392	6	Cylinder Liner Kit - Non-APR	152mm w/ Loose Shim
4376391	6	Cylinder Liner Kit - APR	152mm w/ Loose Shim (5473000)
3678738	6	Cylinder Liner Seal Ring	150mm - Pink
3685234	6	Cylinder Liner Seal Ring	152mm - Blue
3687058	6	Piston Cooling Nozzle	1pc Piston (Liner located type)
4059429	6	Connecting Rod	Drilled machined rod
3678574	24	--Connecting Rod Bolt	Machined rod
3689108	6	Connecting Rod	Fractured rod
3678574	24	--Connecting Rod Bolt	Fractured rod
5298564	AR	Counterbore Shim - .020"	Ref #2892402
5298565	AR	Counterbore Shim - .032"	Ref #2892403

ENGINE BEARINGS

Part #	Qty	Description	Note
4089405	6	Connecting Rod Bearing - STD	Drilled machined Rod
4090016	6	Connecting Rod Bearing - .25mm	
4090017	6	Connecting Rod Bearing - .50mm	
2882087	6	Connecting Rod Bearing - STD	Fractured rod
4376360	6	Connecting Rod Bearing - .25mm	
4376361	6	Connecting Rod Bearing - .50mm	
4089139	6	Connecting Rod Bearing - STD	Non-Drilled rod ONLY
3800298M	1	Main Bearing Set - STD	(5406110)
4089845	1	Main Bearing Set - .25mm	(5406111)
4089846	1	Main Bearing Set - .50mm	(5406112)
4995001	1	Camshaft Bushing Kit - STD	Twin-Cam
3680580	4	--Injector Camshaft Bushing	
4319032	3	--Injector Camshaft Bushing	
4026423	7	--Valve Camshaft Bushing	
P024200	1	Camshaft Bushing Kit - 1.0mm	Twin-Cam
P024197	4	--Injector Camshaft Bushing	
P024198	3	--Injector Camshaft Bushing	
P024201	7	--Valve Camshaft Bushing	
4026423	7	Valve Camshaft Bushing - STD	Single-Cam (3685690)
P024201	7	Valve Camshaft Bushing - 1.0mm	
4059448	6	Connecting Rod Bushing	Drilled machined rod
2882581	6	Connecting Rod Bushing	Fractured rod

CYLINDER BLOCK

Part #	Qty	Description	Note
3015865	4	Expansion Plug	
3007632	2	Expansion Plug	
3901846	2	Dowel Pin	
3678506	14	Main Cap Bolt	

GASKET SETS

Part #	Qty	Description	Note
4955595	1	Upper Gasket Set	Non-EGR engines
4955596	1	Upper Gasket Set	EGR engines
2881767	1	Upper Gasket Set	ISX HPCR engines
4376220	1	Upper Gasket Set	Qsx HPCR engines
4955590	1	Lower Gasket Set	Non-EGR engines
4955591	1	Lower Gasket Set	EGR engines
2881766	1	Lower Gasket Set	ISX HPCR engines
4376221	1	Lower Gasket Set	Qsx HPCR engines
P205307	1	Gear Cover Gasket Set - HPI	
P268345	1	Gear Cover Gasket Set - MCrs	
P268355	1	Gear Cover Gasket Set - HPI	Includes housing to block gasket
P268356	1	Gear Cover Gasket Set - MCrs	Includes housing to block gasket
4025062	6	HPI Injector O-Ring Kit	External seals
P024214	6	HPI Injector O-Ring Kit	External seals & screens
P023161	1	HPI Injector Seal Kit	O-rings, seal & retainer pin
P203646	1	HPI Injector Seal - O/H Kit	O-rings, seal, retainer pin & screens
P024215	6	HPCR Injector O-Ring Kit	External seals
P253253	1	Turbocharger Gasket Set	Automotive - general coverage
4022516	1	Turbocharger Gasket Set	ISX w/ HX60W turbocharger
P271311	1	EGR Supplemental Gasket Set	HPI engines

CRANKSHAFT SEALS & DAMPERS

Part #	Qty	Description	Note
4925762	1	Crankshaft Assembly	w/Gear, tone wheel & adaptor
4955383	1	Front Seal Kit	
4965569	1	Rear Seal Kit	
4101884	A/R	Vibration Damper	1 or 2 per unit

FLYWHEEL HOUSING

Part #	Qty	Description	Note
3102196	1	Flywheel Housing	
4965688	1	Flywheel Housing Gasket	To cylinder block
3026134	1	Flywheel Housing Gasket	Access cover

CYLINDER HEAD COMPONENTS - TWIN CAM

Part #	Qty	Description	Note
4965868	12	Intake Valve	
3685996	12	Intake Valve	
3104445	12	Intake Valve Seat	
4101454	12	Exhaust Valve	
3679537	12	Exhaust Valve Seat	ISX570
3679659	12	Exhaust Valve Seat	ISX870
3680883	48	Valve Lock	
4026657	24	Valve Guide	
4356366	24	Valve Stem Seal - Int & Exh	"Top Hat" design, ref 4312008
3679551	24	Valve Spring	
3680884	24	Valve Spring Retainer	
P254114	12	Pin & Roller Kit - Valve Rocker	14mm
3679487	12	--Pin	
3679336	12	--Roller	
3679504	12	--Lock Pin	
P258057	6	Pin & Roller Kit - Valve Rocker	15mm - Intake Front / Exhaust Rear
4319030	6	--Pin	
4059322	6	--Roller	
3679504	6	--Lock Pin	
P258058	6	Pin & Roller Kit - Valve Rocker	15mm - Intake Rear / Exhaust Front
4319029	6	--Pin	
4059322	6	--Roller	
3679504	6	--Lock Pin	
4319030PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Front / Exhaust Rear
4319030	6	--Pin	
4319026	6	--Roller	
3679504	6	--Lock Pin	

CYLINDER HEAD COMPONENTS - TWIN CAM

Part #	Qty	Description	Note
P252823	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Rear / Exhaust Front
4319029	6	--Pin	
4319026	6	--Roller	
3679504	6	--Lock Pin	
P252976	6	Pin & Roller Kit - Injector Rocker	
4312003	6	--Pin	
4319027	6	--Roller	
3679504	6	--Lock Pin	
P024174	6	Injector Tube Kit	Includes seal
3680873	6	--Injector Sleeve	
3678536	6	--Injector Seal Ring	
P024204	6	Injector Sleeve - Optional	Copper alloy
3678536	6	Injector Seal Ring	
P023574	1	Camshaft Bushing Kit - STD	Twin-Cam
3680580	4	--Injector Camshaft Bushing	
4319032	3	--Injector Camshaft Bushing	
4026423	7	--Valve Camshaft Bushing	
P024200	1	Camshaft Bushing Kit - 1.0mm	Twin-Cam
P024197	4	--Injector Camshaft Bushing	
P024198	3	--Injector Camshaft Bushing	
P024201	7	--Valve Camshaft Bushing	
3015865	7	Expansion Plug	
3813247	21	Expansion Plug	
3901846	2	Dowel Pin	
3678506	22	Cylinder Head Bolt	
3678804	4	Cylinder Head Bolt	
4026507	1	Valve Cover Gasket	
3104392	1	Valve Cover Gasket	ISX07 - Groove in cover
4026511	8	Valve Cover Noise Isolator	ISX

CYLINDER HEAD COMPONENTS - SINGLE CAM ISX 2010 HPCR

Part #	Qty	Description	Note
3685996	12	Intake Valve	
3104445	12	Intake Valve Seat	
4101454	12	Exhaust Valve	
3679659	12	Exhaust Valve Seat	
3680883	48	Valve Lock	
4026657	24	Valve Guide	
4356366	24	Valve Stem Seal - Int & Exh	"Top Hat" design
3679551	24	Valve Spring	
3680884	24	Valve Spring Retainer	
4319030PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Front / Exhaust Rear
4319029PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Rear / Exhaust Front
P205366	6	Injector Tube Kit	Tube, retainer & seal
4026423	7	Valve Camshaft Bushing - STD	
P024201	7	Valve Camshaft Bushing - 1.0mm	
3678506	22	Cylinder Head Bolt	
3678804	4	Cylinder Head Bolt	
3104392	1	Valve Cover Gasket	
3104388	8	Valve Cover Noise Isolator	

LUBRICATION SYSTEM

Part #	Qty	Description	Note
3800753	1	Lube Oil Pump Assy	ISX aluminum
5532492	1	Lube Oil Pump Assy	Cast iron
3800751	1	Shim Kit	
2892304	AR	Oil Cooler Core	63mm 10-plate stainless steel
4966084	2	Oil Cooler O-Ring Seal	
4952629	1	Oil Cooler Thermostat	235°F
4952631	1	Oil Cooler Thermostat	215°F
4955778	1	Oil Cooler Installation Kit	
4965482	AR	Oil Cooler Core	83mm 13-plate stainless steel
4966084	2	Oil Cooler O-Ring Seal	
4952629	1	Oil Cooler Thermostat	235°F
4952631	1	Oil Cooler Thermostat	215°F

COOLING SYSTEM

Part #	Qty	Description	Note
4318946	1	Thermostat - 160°F	ISX02 & up
4318947	1	Thermostat - 180°F	ISX02 & up
4318946	2	Thermostat - 160°F	ISX1/2
4336659	2	Thermostat - 180°F	ISX1/2
186780	A/R	Thermostat Seal	
4089908	1	Water Pump Assembly - 1-Piece	ISX 1&2 - 10 groove pulley (5473366)
4089910	1	Water Pump Assembly - 1-Piece	ISX02 / 870 - 12 groove pulley (5473364)
3684449	1	Water Pump Assembly - 2-Piece	ISX871 / 2250 EGR
3687130	1	Water Pump Assembly - 2-Piece	ISX871 / 2250 EGR - (4386570)
3684450	1	Water Pump Cartridge	Cartridge only (4386576)
3684384	1	Water Pump Cartridge Seal Ring	
4090022	1	Water Pump Minor Repair Kit	Snap ring, impeller cover & O-rings
3678724	1	Water Pump O-Ring	Included in 4090022
3680410	1	Water Pump Cover	Included in 4090022

HPI FUEL INJECTORS

Part #	Qty	Description	Note
4010292	6	Fuel Injector - Reman	ISX1/ ISX2 / 400 / 450
4062567	6	Fuel Injector - Reman	ISX1 / ISX2 / 450 ST2
4062568	6	Fuel Injector - Reman	ISX3 / Signature / 600 / 565
4062569	6	Fuel Injector - Reman	ISX1 / ISX2
4088301	6	Fuel Injector - Reman	ISX1 / ISX2 ISX500/475 ST2
4088327	6	Fuel Injector - Reman	ISX1 / ISX2
4088665	6	Fuel Injector - Reman	ISX 07 / ISX2 / ISX3 EGR / ISX 870/HHP
4954434	6	Fuel Injector - Reman	ISX 07
4954888	6	Fuel Injector - Reman	ISX 07

FUEL SYSTEM

Part #	Qty	Description	Note
4024808	1	Fuel Solenoid Kit	
3417141	6	Injector Follower Spring	HPI Injectors
4025062	6	Injector O-Ring Kit	External seals (Ref p/n P024213)
P024214	6	Injector Screen Kit	External screens
4025063	A/R	Injector Seal Kit	Seals, retaining pins, dust seal
4025063-OH	A/R	Injector Seal - O/H Kit	Seals, retaining pins, dust seal & screens
P024215	6	Injector O-Ring Kit	External seals - HPCR engines
4089431RK	1	Gear Pump Repair Kit	HPI fuel system

ENGINE CONTROL SYSTEM

Part #	Qty	Description	Note
3680284	1	ECM Isolator/Gasket	CM570
3682577	1	ECM Isolator/Gasket	CM870
4076493	1	Sensor - Pressure	Ambient Air
4921473	1	Sensor - Press/Temp	Intake Manifold
4921475	1	Sensor - Press/Temp	Oil
4921495	1	Sensor - Pressure	Fuel
4921499	1	Sensor - Pressure	Fuel
4921599	2	Sensor - Position	Camshaft & Crankshaft
4954905	1	Sensor - Temperature	Coolant/Oil/Fuel

EXHAUST SYSTEM

Part #	Qty	Description	Note
4965698	12	Exhaust Manifold Bolt	
4965512	12	Exhaust Manifold Spacer	
P254718	1	Exhaust Hardware Kit	ISX CM570 / CM2250
P254719	1	Exhaust Hardware Kit	ISX CM870 / CM871

AFTER TREATMENT COMPONENTS

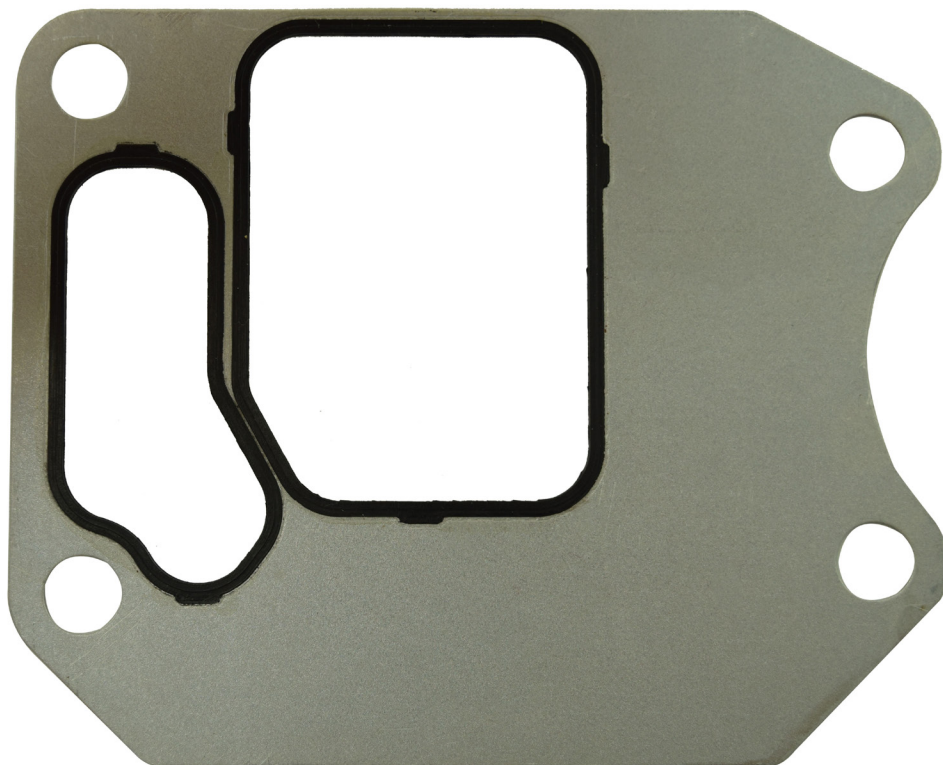
Part #	Qty	Description	Note
2871863	A/R	V-Band Clamp	13" diameter Aftertreatment Models
2871453	A/R	Aftertreatment Gasket	
2880215	A/R	Gasket - Inlet / Outlet Connection	6.25" O.D.
2866337	A/R	Gasket - Inlet / Outlet Connection	5.75" O.D.
P254719	1	Exhaust Hardware Kit	ISX CM870 / CM871

GASKETS - ISX HPI

Part #	Qty	Description	Note
4965690	1	Air Comp. Mounting Gasket	
3680284	1	ECM Isolator/Gasket	CM570
3682577	1	ECM Isolator/Gasket	CM870/871
3682066	1	EGR Mixer Seal	
3682177	1	EGR Mixer Seal	
4907448	1	Exhaust Manifold Gasket	Composite
4907447	4	Exhaust Manifold Gasket	Composite
3682940	1	Exhaust Manifold Gasket	ISX02/07 - Steel
3682710	4	Exhaust Manifold Gasket	ISX02/07 (5486657) - Steel
4965688	1	Flywheel Housing Gasket	To cylinder block (4393176)
3026134	1	Flywheel Housing Gasket	Access cover
4962721	1	Front Cover Seal Strip	Upper
4962722	1	Front Cover Seal Strip	Lower
2872195	1	Fuel Pump Mounting Gasket	
3867481	1	Fuel Pump Mounting Seal	
4985562	1	Gear Housing Gasket	To cylinder block
3678770	1	Intake Connection Gasket	
3066211	1	Intake Connection Seal	
3033247	1	Intake Connection Seal	ISX02/07
4973532	4	Oil Cooler Core Gasket	
4955592	1	Oil Cooler Housing Gasket	(4376196)
3678606	1	Oil Pan Drain Plug Seal	
4026684	1	Oil Pan Gasket	
3678756	1	Oil Pickup Tube Seal	
3680602	1	Thermostat Cover Gasket	
3682673	1	Thermostat Cover Gasket	ISX02/07

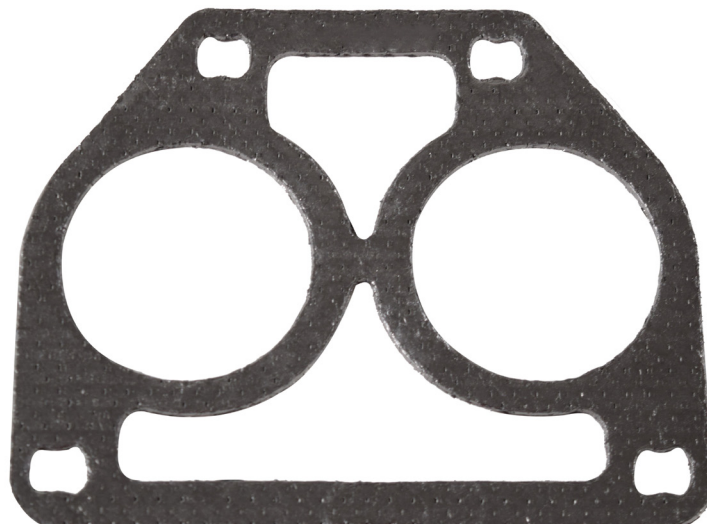
GASKETS - ISX HPI (CONT.)

Part #	Qty	Description	Note
3684336	1	Thermostat Housing Gasket	
3678606	2	Thermostat Housing O-Ring	
186780	2	Thermostat Seal	
186780	1	Thermostat Seal	ISX02/07
3680324	1	Turbo Flange Gasket	
3101268	1	Turbo Flange Gasket	ISX02/07
4026884	1	Turbo Mounting Gasket	
3102314	1	Turbo Mounting Gasket	ISX02/07
3679139	1	Turbo Oil Supply O-Ring	
3066211	1	Turbo Outlet Seal	
3682177	1	Turbo Outlet Seal	ISX02
4026507	1	Valve Cover Gasket	
3104392	1	Valve Cover Gasket	ISX07 - grooved cover
3679937	1	Valve Cover Gasket	
3678724	1	Water Pump O-Ring	
3684384	1	Water Pump O-Ring	Cartridge to pump housing
4059172	1	Water Pump O-Ring	
3683814	2	Water Pump O-Ring	EGR coolant tube



GASKETS - ISX15 HPCR

Part #	Qty	Description	Note
3685614	1	Air Comp. Mounting Gasket	
4907448	1	Exhaust Manifold Gasket	CM2250 - Composite
4907447	4	Exhaust Manifold Gasket	CM2250 - Composite
3682940	1	Exhaust Manifold Gasket	CM2350 - Steel
3682710	4	Exhaust Manifold Gasket	CM2350 (5486657) - Steel
4965688	1	Flywheel Housing Gasket	To cylinder block (4393176)
3026134	1	Flywheel Housing Gasket	Access cover
3687007	1	Front Cover Seal Strip	
3686758	1	Fuel Pump Mounting Gasket	(5414049)
3685510	1	Gear Housing Gasket	To cylinder block
3033247	1	Intake Connection Seal	
3688347	1	Intake Manifold Gasket	
4973532	2	Oil Cooler Core Gasket	
3104232	1	Oil Cooler Housing Gasket	(3689755)
3678606	1	Oil Pan Drain Plug Seal	
4026684	1	Oil Pan Gasket	
3678756	1	Oil Pickup Tube Seal	
3682673	1	Thermostat Cover Gasket	
3684336	1	Thermostat Housing Gasket	
186780	1	Thermostat Seal	
3685535	1	Turbo Mounting Gasket	(3695041)
3679139	1	Turbo Oil Supply O-Ring	
5264570	1	Turbo Drain Gasket	
3104392	1	Valve Cover Gasket	
3678724	1	Water Pump O-Ring	
4059172	1	Water Pump O-Ring	
3683814	2	Water Pump O-Ring	EGR coolant tube



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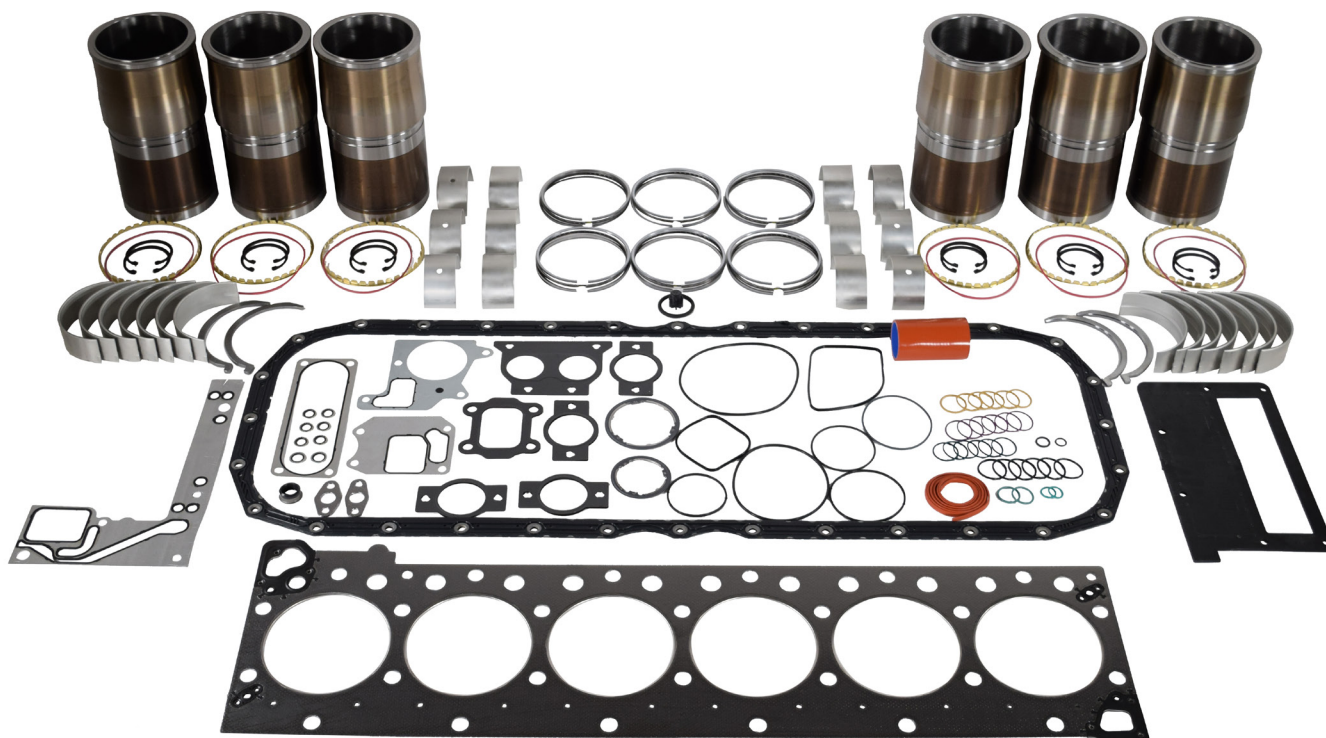
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