

New Replacement Parts for CUMMINS®

ISX-QSX-X15 Engine Applications



September 2019

INTERSTATE-MCBEE, LLC

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TABLE OF CONTENTS ISX-QSX-X15

CPL Listing	4-9
SX-QSX-X15	
Aftertreatment Components	22
Cooling System	21
Crankshaft Seals & Damper	17
Cylinder Block	16
Cylinder Components	15
Cylinder Head Components	
Cylinder Liner Progression	13
Engine Control System	
Engine Bearings	
Exhaust System	
Flywheel Housing	
Fuel System	
Gaskets	
Gasket Sets	
HPI Fuel Injectors	
In-Frame Kits	
In-Frame Re-ring Kits	
Lubrication System	
Piston Progression	
Power Cylinder Update	14
Numerical Parts Index	26-29
Warranty Information	30-31

CPL#	MODEL	Liner OD	IN-FRAME KIT Non-APR	APR IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR	
007	ICV 07	150mm	N/A	M-4376174	M 4055501		
927	ISX 07	152mm	N/A	M-4376428	M-4955591		
1.40.4	ISX 07	150mm	N/A	M-4376174	M 4055501	D 4054000	
1434	15X U7	152mm	N/A	M-4376428	M-4955591	R-4954888	
1/107	ICV 070	150mm	N/A	M-4376175	M 4055501		
1437	ISX 870	152mm	N/A	M-5405988	M-4955591		
1732	QSX 07	150mm	M-4352291	In Development	M-4955590	R-4928260	
1771	ICV1 / ICV0	150mm	N/A	M-4376171	M 4055500	D 4000001	
1771	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	R-4088301	
2440	ICV1 / ICV0	150mm	N/A	M-4376171	M 4055500	D 4010202	
2440	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	R-4010292	
0441	ICV1 / ICV0	150mm	N/A	M-4376171	M 4055500	R-4062567	
2441	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	11-4002307	
2442	ICV2 / Cianatura	150mm	N/A	M-4376172	M-4955590	R-4062568	
2442	ISX3 / Signature	152mm	N/A	In Development	WI-490009U	h-4002300	
2483	ICVO / Cianatura	150mm	N/A	M-4376172	M-4955590	R-4062568	
2403	ISX3 / Signature	152mm	N/A	In Development		11-4002300	
2627	ISX1 / ISX2	150mm	N/A	M-4376171	M-4955590	R-4010292	
2021	13/1 / 13/2	152mm	N/A	M-4376429	WI-4900090	N-4010292	
2628	ISX 400/450	150mm	N/A	M-4376171	M-4955590	P_4010202	
2020	ISA 400/430	152mm	N/A	M-4376429	WI-4900090	R-4010292	
2629	ISX500/475 ST2	150mm	N/A	M-4376171	M-4955590	R-4088301	
2029	13/300/4/3 312	152mm	N/A	M-4376429	WI-4900090	n-4000301	
2630	ISX3 / Signature	150mm	N/A	M-4376172	M-4955590	R-4062568	
2030	iono / oigilature	152mm	N/A	In Development	WI-4900090	n-4002300	
2631	ISX 450	150mm	N/A	M-4376171	M-4955590	R-4010292	
2031	10/ 400	152mm	N/A	M-4376429	101-4955590	11-4010232	
2632	ISX1 / ISX2	150mm	N/A	M-4376171	M-4955590	R-4088301	
2032	IOAT / IOAZ	152mm	N/A	M-4376429	101-4955590	11-4000301	
2633	ISX3 / Signature	150mm	N/A	M-4376172	M-4955590	R-4062568	
2000	iono / digitature	152mm	N/A	In Development	101-4300030	11-4002300	
2732	ISX 07	150mm	N/A	M-4376175	M-4955591	R-4954434	
2132	IOA UI	152mm	N/A	M-5405988	WI-430003 I	K-4954434	
2733	ISX 07	150mm	N/A	M-4376174	M-4955591	R-4954888	
2133	33 15% 07	152mm	N/A	M-4376428	WI-4300031	11-4334000	

CPL#	MODEL	Liner OD	IN-FRAME KIT Non-APR	APR IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
0704	ICV 07	150mm	N/A	M-4376174	M 4055501	D 4000000
2734	ISX 07	152mm	N/A	M-4376428	M-4955591	R-4088665
0001	ICVO / Ciamatura	150mm	N/A	M-4376172	M 4055500	D 4000000
2801	ISX3 / Signature	152mm	N/A	In Development	M-4955590	R-4062568
2002	ISX1 / ISX2	150mm	N/A	M-4376171	M 4055500	D 4010000
2803	15/1 / 15/2	152mm	N/A	M-4376429	M-4955590	R-4010292
2014	ICV1 / ICV0	150mm	N/A	M-4376171	M 4055500	D 4060567
2814	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	R-4062567
2016	ICV2 / Cignoture	150mm	N/A	M-4376172	M 4055500	D 4060E60
2816	ISX3 / Signature	152mm	N/A	In Development	M-4955590	R-4062568
2825	Industrial / GenSet	150mm	M-4352288	In Development	M-4955590	R-4062569
2834	Cignoture 600/EGE	150mm	N/A	M-4376172	M-4955590	D 4060560
2034	Signature 600/565	152mm	N/A	In Development	WI-495559U	R-4062568
2835	Signature 600/565	150mm	M-4352288	In Development	M-4955590	R-4062568
2836	ICV2 / Cignoture	150mm	N/A	M-4376172	M 4055500	R-4062568
2030	ISX3 / Signature	152mm	N/A	In Development	M-4955590	n-4002300
2837	ICV2 / Cignoture	150mm	N/A	M-4376172	M-4955590	R-4062568
2031	ISX3 / Signature	152mm	N/A	In Development	WI-4900090	n-4002300
2900	ICV2 / Cignoture	150mm	N/A	M-4376172	M-4955590	R-4062568
2900	ISX3 / Signature	152mm	N/A	In Development	WI-4900090	N-4002000
2919	ISX 07	150mm	N/A	M-4376174	M-4955591	R-4088665
2919	15/10/	152mm	N/A	M-4376428	IVI-490009 I	n-4000000
2933	ISX1 / ISX2	150mm	N/A	M-4376171	M-4955590	R-4088301
2933	ISAT / ISAZ	152mm	N/A	M-4376429	14955590	n-4000301
2934	ISX1 / ISX2	150mm	N/A	M-4376171	M-4955590	R-4088301
2934	ISAT / ISAZ	152mm	N/A	M-4376429	14955590	N-4000301
2965	ISX 07	150mm	N/A	M-4376174	M-4955591	R-4088665
2900	ISA U7	152mm	N/A	M-4376428	101-4900091	n-4000003
3087	QSX 07	150mm	M-4352291	In Development	M-4955590	R-4928260
3088	QSX 07	150mm	M-4352291	In Development	M-4955590	R-4928260
3167	ISX 07	150mm	N/A	M-4376174	M-4955591	
3107	IOA UI	152mm	N/A	M-4376428	1VI-490009 I	
3229	ISX 07	150mm	N/A	M-4376175	M-4955591	R_/05//2/
3229	ISA UI	152mm	N/A	M-5405988	IVI-430003 I	R-4954434

CPL#	MODEL	Liner OD	IN-FRAME KIT Non-APR	APR IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
2200	ICV 07	150mm	N/A	M-4376174	M 4055501	D 4000000
3320	ISX 07	152mm	N/A	M-4376428	M-4955591	R-4088665
3348	ISX10	150mm	N/A	M-5473065	M 2001766	
JJ40	15/10	152mm	N/A	M-4376427	M-2881766	
2240	ICV10	150mm	N/A	M-5473065	M 0001766	
3349	ISX10	152mm	N/A	M-5473066	M-2881766	
0050	10)/4.0	150mm	N/A	M-5473069	NA 0004700	
3350	ISX10	152mm	N/A	M-5473070	M-2881766	
0050	107/40	150mm	N/A	M-5473069	M 0004700	
3356	ISX10	152mm	N/A	M-5473070	M-2881766	
0070	10740	150mm	N/A	M-5473065	M 0001700	
3376	ISX10	152mm	N/A	M-4376427	M-2881766	
0.450	ICV 07	150mm	N/A	M-4376174	M 4055501	
3458	ISX 07	152mm	N/A	M-4376428	M-4955591	
2450	ISX 07	150mm	N/A	M-4376175	M 4055501	
3459		152mm	N/A	M-5405988	M-4955591	
3490	ISX10	150mm	N/A	M-5473065	M 2001766	
3490	13/10	152mm	N/A	M-5473066	M-2881766	
3491	ISX10	150mm	N/A	M-5473065	M 2001766	
3491	13/10	152mm	N/A	M-5473066	M-2881766	
2566	ISX10	150mm	N/A	M-5473069	M 2001766	
3566	15/10	152mm	N/A	M-5473070	M-2881766	
3567	ISX10	150mm	N/A	M-5473074	M-2881766	
3307	13/10	152mm	N/A	M-5473075	IVI-200 I 7 00	
3606	ISX10	150mm	N/A	M-5473069	M-2881766	
3000	13.710	152mm	N/A	M-5473070	IVI-2001700	
3657	ISX10	150mm	N/A	M-5473074	M-2881766	
3037	13/10	152mm	N/A	M-5473075	IVI-2001700	
3687	ISX10	150mm	N/A	M-5473065	M-2881766	
3001	10/10	152mm	N/A	M-5473066	WI-2001700	
3688	ISX10	150mm	N/A	M-5473065	M-2881766	
0000	10/(10	152mm	N/A	M-5473066	WI 2001700	
3719	ISX10	150mm	N/A	M-5473074	M-2881766	
0110	IOATO	152mm	N/A	M-5473075	WI 2001700	

CPL#	MODEL	Liner OD	IN-FRAME KIT Non-APR	APR IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
0704	10710	150mm	N/A	M-5473074	M 0001700	
3724	ISX10	152mm	N/A	M-5473075	M-2881766	
0765	ICV10	150mm	N/A	M-5473069	M 0001766	
3765	ISX10	152mm	N/A	M-5473070	M-2881766	
2766	ISX10	150mm	N/A	M-5473069	M-2881766	
3766	15/10	152mm	N/A	M-5473070	IVI-200 I 7 00	
2775	ICV 07	150mm	N/A	M-4376175	M 4055501	
3775	ISX 07	152mm	N/A	M-5405988	M-4955591	
2704	ISX10	150mm	N/A	M-5473069	M 0001766	
3794	15/10	152mm	N/A	M-5473070	M-2881766	
2707	ISX10	150mm	N/A	M-5473069	M 0001766	
3797	15/10	152mm	N/A	M-5473070	M-2881766	
2027	ICV10	150mm	N/A	M-5473074	M 0001766	
3937	ISX10	152mm	N/A	M-5473075	M-2881766	
2020	10740	150mm	N/A	M-5473069	M 0001766	
3938	ISX10	152mm	N/A	M-5405987	M-2881766	
3939	10740	150mm	N/A	M-5473069	M-2881766	
งขงข	ISX10	152mm	N/A	M-5473070	WI-2001700	
4262	QSX 07	150mm	M-4352291	In Development	M-4955590	R-4928260
4495	ISX10	150mm	N/A	M-5473069	M-2881766	
4490	13/10	152mm	N/A	M-5405987	IVI-200 I 7 00	
4583	ISX10	150mm	N/A	M-5473074	M-2881766	
4000	13/10	152mm	N/A	M-5473075	IVI-200 I 7 00	
4584	ISX10	150mm	N/A	M-5473069	M-2881766	
4004	13/10	152mm	N/A	M-5473070	IVI-200 I 7 00	
4585	ISX10	150mm	N/A	M-5473069	M-2881766	
4000	13/10	152mm	N/A	M-5473070	IVI-200 I 7 00	
4586	ISX10	150mm	N/A	M-5473074	M-2881766	
4500	13/10	152mm	N/A	M-5473075	IVI-2001700	
4587	ISX10	150mm	N/A	M-5473069	M-2881766	
4001	10/10	152mm	N/A	M-5473070	101-2001700	
4588	ISX10	150mm	N/A	M-5473069	M-2881766	
+500	10/10	152mm	N/A	M-5473070	101-2001700	
1761	ISX10	150mm	N/A	M-5473074	M-2881766	
4761	IOATU	152mm	N/A	M-5473075	WI-2001700	

CPL#	MODEL	Liner OD	IN-FRAME KIT Non-APR	APR IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
0040	ICV 450 CTO	150mm	N/A	M-4376171	M 4055500	D 400000
8046	ISX 450 ST2	152mm	N/A	M-4376429	M-4955590	R-4062567
0047	ICV 4EO CTO	150mm	N/A	M-4376171	M 4055500	D 4000E07
8047	ISX 450 ST2	152mm	N/A	M-4376429	M-4955590	R-4062567
8048	ISX1 / ISX2	150mm	N/A	M-4376171	M-4955590	D 4060567
0040	15/1 / 15/2	152mm	N/A	M-4376429	WI-4955590	R-4062567
8081	Industrial / GenSet	150mm	M-4352288	In Development	M-4955590	R-4062569
8083	ISX1 / ISX2	150mm	N/A	M-4376171	M-4955590	R-4062569
0003	15/1 / 15/2	152mm	N/A	M-4376429	WI-4955590	R-4002309
8125	ISX2 / ISX3 EGR	150mm	N/A	M-4376174	M-4955591	R-4088665
0123	ISAZ / ISAS EUN	152mm	N/A	M-4376428	WI-4900091	n-4000003
8142	Industrial / GenSet	150mm	M-4352288	In Development	M-4955590	R-4062569
8242	ISX1 / ISX2	150mm	N/A	M-4376171	M-4955590	R-4062569
0242	15/1 / 15/2	152mm	N/A	M-4376429	WI-4955590	
8243	ICV4 / ICV0	150mm	N/A	M-4376171	M 4055500	R-4088327
0243	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	11-4000327
8244	ISX1 / ISX2	150mm	N/A	M-4376171	M 4055500	D 4000201
0244	15/1 / 15/2	152mm	N/A	M-4376429	M-4955590	R-4088301
0016	ICV2 / Cignoturo	150mm	N/A	M-4376172	M 4055500	D 4060569
8246	ISX3 / Signature	152mm	N/A	In Development	M-4955590	R-4062568
8247	ICV2 / Cianatura	150mm	N/A	M-4376172	M-4955590	R-4062568
0241	ISX3 / Signature	152mm	N/A	In Development	WI-4955590	n-4002300
0255	ICV1 / ICV0	150mm	N/A	M-4376171	M 4055500	D 4000227
8255	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	R-4088327
0057	ICV1 / ICV0	150mm	N/A	M-4376171	M 4055500	D 4000227
8257	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	R-4088327
0250	ICV1 / ICV0	150mm	N/A	M-4376171	M 4055500	R-4088327
8258	ISX1 / ISX2	152mm	N/A	M-4376429	M-4955590	R-4000327
0001	ICVO / ICVO FOD	150mm	N/A	M-4376174	M ADEECO	D 400000
8281	ISX2 / ISX3 EGR	152mm	N/A	M-4376428	M-4955591	R-4088665
0202	ISX2 / ISX3 EGR	150mm	N/A	M-4376174	M 4055501	D 100066
8282	1012 / 1013 EUN	152mm	N/A	M-4376428	M-4955591	R-4088665
0000	ICV 070 LILID	150mm	N/A	M-4376174	M 4055501	D 4000665
8283 ISX	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	R-4088665

CPL#	MODEL	Liner OD	IN-FRAME KIT Non-APR	APR IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
0004	ICV 070 LILID	150mm	N/A	M-4376174	M 4055501	D 4000005
8284	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	R-4088665
0005	ICV 070 LILID	150mm	N/A	M-4376174	M 4055501	D 4000665
8285	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	R-4088665
0006	ICV 070 HHD	150mm	N/A	M-4376174	M 4055501	D 4000665
8286	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	R-4088665
0007	ICV 070	150mm	N/A	M-4376175	M 4055501	D 4000000
8287	ISX 870	152mm	N/A	M-5405988	M-4955591	R-4088665
0000	ICV 070	150mm	N/A	M-4376175	M 4055501	D 4000665
8288	ISX 870	152mm	N/A	M-5405988	M-4955591	R-4088665
8469	QSX15	150mm	M-4352288	In Development	M-4955590	R-4062569
0510	ICV 070 LILID	150mm	N/A	M-4376174	M 4055501	D 4000665
8518	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	R-4088665
0510	ICV 070 LILID	150mm	N/A	M-4376174	M 4055501	R-4088665
8519	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	
0500	ISX 870	150mm	N/A	M-4376175	M 4055501	D 4000665
8520	15/4 6/10	152mm	N/A	M-5405988	M-4955591	R-4088665
0501	ICV 070 LILID	150mm	N/A	M-4376174	M 4055501	R-4088665
8521	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	
0500	ICV 070 LILID	150mm	N/A	M-4376174	M 4055501	D 4000665
8522	ISX 870 HHP	152mm	N/A	M-4376428	M-4955591	R-4088665
8523	ISX 870	150mm	N/A	M-4376175	M 4055501	R-4088665
0023	13/ 0/0	152mm	N/A	M-5405988	M-4955591	n-4000000
8571	QSX15	150mm	M-4352288	In Development	M-4955590	R-4062569
8587	QSX15	150mm	M-4352288	In Development	M-4955590	R-4062569
8588	QSX15-C440	150mm	M-4352288	In Development	M-4955590	R-4062569
9660	ICV 07	150mm	N/A	M-4376174	M 4055501	D 4000665
8660	ISX 07	152mm	N/A	M-4376428	M-4955591	R-4088665
8760	QSX 07	150mm	M-4352291	In Development	M-4955590	R-4928260
8761	QSX 07	150mm	M-4352291	In Development	M-4955590	R-4928260
8762	QSX 07	150mm	M-4352291	In Development	M-4955590	R-4928262
8764	QSX 07	150mm	M-4352291	In Development	M-4955590	

IN-FRAME ENGINE KITS

Model	Piston	Skirt Type	Top Ring Location	Top Land Diameter	Liner OD Size	In-Frame Engine Kit	Scraper Ring In-Frame Kit
	2863938	Closed	High	Lorgo	150mm	N/A	M-4376171
	2003930	Ciosea	підіі	Large	152mm	N/A	M-4376429
	2863939	Closed	∐iah	Lorgo	150mm	N/A	M-4376172
ISX	2003939	Ciosea	High	Large	152mm	IN/A	N/A
CM570	2882635	Closed	∐igh	Reduced	150mm	N/A	M-4376171
	2002033	Ciosea	High	neuuceu	152mm	IN/A	M-4376429
	2882636	Closed	High	Reduced	150mm	N/A	M-4376172
	2002030	Gloseu	riigii	neuuceu	152mm	IN/A	N/A
	3104186	Open	High	Largo	150mm	M-4352291	
	3104100	Open	підп	Large	152mm	N/A	
	4298991	Open	High	Reduced	150mm	M-4352291	
QSX	4290991	Open	підп	neuuceu	152mm	N/A] IN
CM570	4298992	Opon	∐igh	Reduced	150mm	M-4352288	DEVELOPMENT
	4290992	Open	High	neuuceu	152mm	N/A	
	4923744	Onon	Lligh	Lorgo	150mm	M-4352288	
	4923744	Open	High	Large	152mm	N/A	
	2882630	Closed	High	Reduced	150mm	N/A	M-4376175
		Ciosea			152mm		M-5405988
	2882631	Closed	Closed High	Reduced	150mm	N/A	M-4376174
ISX CM870		Ciosea			152mm		M-4376428
CM871	3684467	Closed	Uigh	Lorgo	150mm	N/A	M-4376174
	3004407	Ciosea	High	Large	152mm	N/A	M-4376428
	3684472	Closed	∐iah	Lorgo	150mm	N/A	M-4376175
	3004472	Ciosea	High	Large	152mm	IN/A	M-5405988
	3686366	Closed	Low	Lorgo	150mm	N/A	M-5473065
	3000300	Cioseu	LOW	Large	152mm	IN/A	M-5473066
	3687177	Closed	Low	Largo	150mm	N/A	M-5473069
	300/1//	Ciosea	Low	Large	152mm	N/A	M-5473070
	3687605	Closed	Low	Lorgo	150mm	N/A	M-5473074
ISX15	3007003	Closed	Low	Large	152mm	N/A	M-5473075
QSX15	2607007	Closed	Low	Doducad	150mm	NI/A	M-5473074
CM2250	3687897	Closed	Low	Reduced	152mm	N/A	M-5473075
CM2350	2600000	Classe	Low	Doduced	150mm	NI/A	M-5473065
	3688099	Closed	Low	Reduced	152mm	N/A	M-5473066
	200100	Classe	Levi	Dodrese	150mm	NI/A	M-5473069
	3688100	Closed	Low	Reduced	152mm	N/A	M-5473070
	2600405	Classe	Low	Doduced	150mm	NI/A	M-5473074
	3688405	Closed	Low	Reduced	152mm	N/A	M-5473075

RE-RING ENGINE KITS - TWIN CAM MODELS

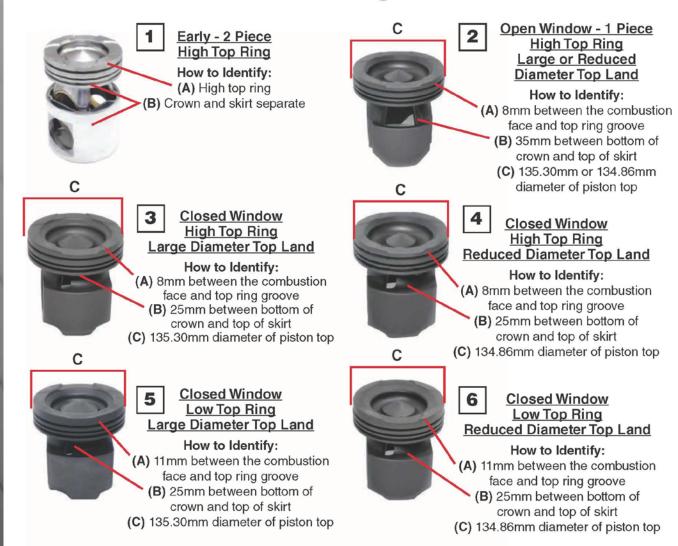
Part #	Qty	Description	Note
MCB4025214	1	Inframe Kit - Re-Ring - 2pc Articulated	150mm Non-APR
MCB4309389-2	1	Inframe Kit - Re-Ring - 1pc Steel	150mm Non-APR
MCB4376392-2	1	Inframe Kit - Re-Ring - 1pc Steel	152mm Non-APR with loose shim
MCB4309389-1	1	Inframe Kit - Re-Ring - 1pc Steel	150mm Non-APR with EGR
MCB4376392-1	1	Inframe Kit - Re-Ring - 1pc Steel	152mm Non-APR with EGR
MCB4376168-1	1	Inframe Kit - Re-Ring - 1pc Steel	150mm APR
MCB4376391-1	1	Inframe Kit - Re-Ring - 1pc Steel	152mm APR with loose shim

RE-RING ENGINE KITS - SINGLE CAM MODELS

Part #	Qty	Description	Note
MCB4309389	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	150mm Non-APR
MCB4376392	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	152mm Non-APR with loose shim
MCB4376168	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	150mm APR
MCB4376391	1	Inframe Kit - Re-Ring - 1pc Steel - HPCR	152mm APR with loose shim



Piston Progression



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

Top Ring Identification 135.30mm 134.86mm



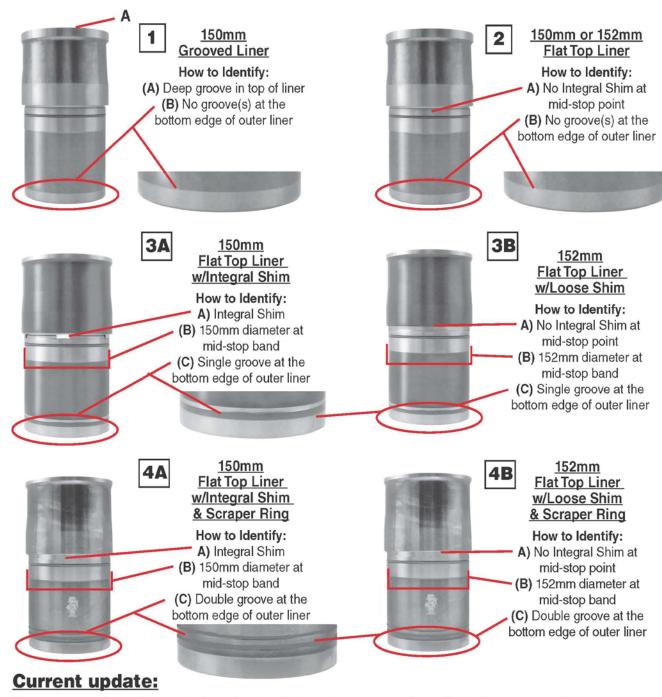
High Top Ring

11 mm Low Top Ring

Window Identification



Cylinder Liner Progression

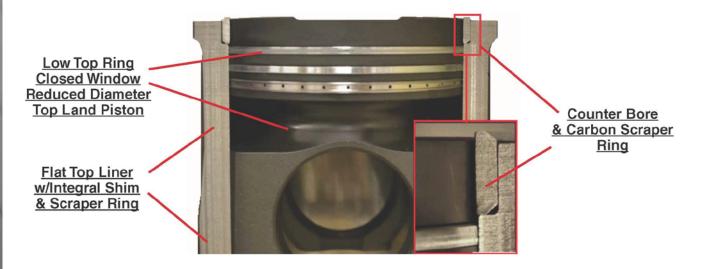


The current update refers to the introduction of the carbon scraper ring cylinder liner commonly known as an APR (Anti-Polishing Ring) liner. This liner contains a counter bore at the top in which a removable steel ring is inserted to remove the carbon from the sides of the piston preventing it from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



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 <u>cannot</u> be used with Carbon Scraper Ring (APR) Cylinder Liners.
- High Top Ring Pistons <u>cannot</u> be used with Carbon Scraper Ring (APR) Cylinder Liners.
- Carbon Scraper Ring Cylinder Liners <u>must</u> 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 <u>not interchangeable</u>.



CYLINDER COMPONENTS

Part #	Qty	Description	Note
M-2881758	6	Piston Kit APR - X15 Tier 4	3688099 body
M-2881873	6	Piston Kit - ISX1 / ISX2	2882635 body
M-2881876	6	Piston Kit - ISX3 / Signature	2882636 body
M-2882023	6	Piston Kit APR - X15 Tier 4	3688100 body
M-2882080	6	Piston Kit APR - X15 Tier 4	3687897 body
M-2882118	6	Piston Kit - QSX Tier 3	4298991 body
M-2882120	6	Piston Kit - QSX Tier 2	4298992 body
M-4376241	6	Piston Kit APR - ISX 570	4357150 body
M-4376242	6	Piston Kit APR - ISX 570 - HHP	4367126 body
M-4376243	6	Piston Kit APR - ISX 870/1	4367161 body
M-4376244	6	Piston Kit APR - ISX 870/1 - HHP	4357173 body
M-4309442	6	Piston Ring Set	2pc Articulated piston
M-4309441	6	Piston Ring Set	1pc Steel piston (5405717)
M-2881756	6	Piston Ring Set	ISX15 HPCR (5405718,4376565)
M-3689296	6	Piston Pin	1pc Steel piston
M-3064305	12	Piston Pin Retainer	
M-3800453	N/A	Cylinder Liner Kit - Grooved Top	Obsolete - Not available
M-4089153	N/A	Cylinder Liner Kit - Non-APR	150mm - Obsolete use 4309389
M-4309389	6	Cylinder Liner Kit - Non-APR	150mm w/ Integral Shim (4376430)
M-4376168	6	Cylinder Liner Kit - APR	150mm w/ Integral Shim (5472970)
M-4376392	6	Cylinder Liner Kit - Non-APR	152mm w/ Loose Shim
M-4376391	6	Cylinder Liner Kit - APR	152mm w/ Loose Shim (5473000)
M-3678738	6	Cylinder Liner Seal Ring	150mm - Pink
M-3685234	6	Cylinder Liner Seal Ring	152mm - Blue
M-3687058	6	Piston Cooling Nozzle	1pc Piston (Liner located type)
M-4059429	6	Connecting Rod	Drilled machined rod
M-3678574	24	Connecting Rod Bolt	Machined rod
M-3689108	6	Connecting Rod	Fractured rod
M-3678574	24	Connecting Rod Bolt	Fractured rod
M-5298564	AR	Counterbore Shim020"	Ref #2892402
M-5298565	AR	Counterbore Shim032"	Ref #2892403

CAUTION: The Interstate-McBee piston kits above must be used in full engine sets and cannot be mixed in an engine.

ENGINE BEARINGS

Part #	Qty	Description	Note
M-4089405	6	Connecting Rod Bearing - STD	
M-4090016	6	Connecting Rod Bearing25mm	Drilled machined Rod
M-4090017	6	Connecting Rod Bearing50mm	
M-2882087	6	Connecting Rod Bearing - STD	
M-4376360	6	Connecting Rod Bearing25mm	Fractured rod
M-4376361	6	Connecting Rod Bearing50mm	
M-4089139	6	Connecting Rod Bearing - STD	Non-Drilled rod ONLY
M-3800298	1	Main Bearing Set - STD	(5406110)
M-4089845	1	Main Bearing Set25mm	(5406111)
M-4089846	1	Main Bearing Set50mm	(5406112)
MCB7107	1	Camshaft Bushing Kit - STD	Twin-Cam
M-3680580	4	Injector Camshaft Bushing	
M-3680581	3	Injector Camshaft Bushing	
M-4026423	7	Valve Camshaft Bushing	
MCB7108	1	Camshaft Bushing Kit - 1.0mm	Twin-Cam
MCB7105	4	Injector Camshaft Bushing	
MCB7106	3	Injector Camshaft Bushing	
MCB7114	7	Valve Camshaft Bushing	
M-4026423	7	Valve Camshaft Bushing - STD	Single-Cam (3685690)
MCB7114	7	Valve Camshaft Bushing - 1.0mm	
M-4059448	6	Connecting Rod Bushing	Drilled machined rod
M-2882581	6	Connecting Rod Bushing	Fractured rod

CYLINDER BLOCK

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

GASKET SETS

Doub #	Ot.	Description	Note
Part #	Qty	Description	Note
M-4352144	1	Upper Gasket Set	Non-EGR engines
M-4352145	1	Upper Gasket Set	EGR engines
M-4376104	1	Upper Gasket Set	ISX HPCR engines
M-4376220	1	Upper Gasket Set	QSX HPCR engines
	1		
M-4955590	1	Lower Gasket Set	Non-EGR engines
M-4955591	1	Lower Gasket Set	EGR engines
M-2881766	1	Lower Gasket Set	ISX HPCR engines
M-4376221	1	Lower Gasket Set	QSX HPCR engines
MCBISX0007	1	Gear Cover Gasket Set - HPI	
MCBISX0017	1	Gear Cover Gasket Set - MCRS	
MCBISX0027	1	Gear Cover Gasket Set - HPI	Includes housing to block gasket
MCBISX0037	1	Gear Cover Gasket Set - MCRS	Includes housing to block gasket
M-4025062	6	HPI Injector O-Ring Kit	External seals
MCBISXINJ-1	6	HPI Injector O-Ring Kit	External seals & screens
M-4025063	1	HPI Injector Seal Kit	0-rings, seal & retainer pin
M-4025063-0H	1	HPI Injector Seal - O/H Kit	O-rings, seal, retainer pin & screens
MCBISXINJ-2	6	HPCR Injector O-Ring Kit	External seals
1100101/000		I =	I
MCBISX005	1	Turbocharger Gasket Set	Automotive - general coverage
M-4022516	1	Turbocharger Gasket Set	ISX/QSX w/ HX60W turbocharger
MODIOVOOLE		F0D 0 1 110 1 10 1	LIBI
MCBISX0015	1	EGR Supplemental Gasket Set	HPI engines

CRANKSHAFT SEALS & DAMPER

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

FLYWHEEL HOUSING

Part #	Qty	Description	Note
M-3102196	1	Flywheel Housing	
M-4965688	1	Flywheel Housing Gasket	To cylinder block
M-3026134	1	Flywheel Housing Gasket	Access cover
	<u> </u>		

CYLINDER HEAD COMPONENTS

TWIN CAM

Part #	Qty	Description	Note
M-4965868	12	Intake Valve	
M-3685996	12	Intake Valve	
M-3104445	12	Intake Valve Seat	
M-4101454	12	Exhaust Valve	
M-3679537	12	Exhaust Valve Seat	ISX570 / QSX570 / Power Gen
M-3679659	12	Exhaust Valve Seat	ISX870 / QSX07
M-3680883	48	Valve Lock	
M-4026657	24	Valve Guide	
M-4312008	N/A	Valve Stem Seal - Int & Exh	Use 4356366
M-4356366	24	Valve Stem Seal - Int & Exh	"Top Hat" design
M-3679551	24	Valve Spring	
M-3680884	24	Valve Spring Retainer	
M-3679487PR	12	Pin & Roller Kit - Valve Rocker	14mm
M-3679487	12	Pin	
M-3679336	12	Roller	
M-3679504	12	Lock Pin	
M-4026780PR	6	Pin & Roller Kit - Valve Rocker	15mm - Intake Front / Exhaust Rear
M-4319030	6	Pin	
M-4059322	6	Roller	
M-3679504	6	Lock Pin	
M-4026779PR	6	Pin & Roller Kit - Valve Rocker	15mm - Intake Rear / Exhaust Front
M-4319029	6	Pin	
M-4059322	6	Roller	
M-3679504	6	Lock Pin	
M-4319030PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Front / Exhaust Rear
M-4319030	6	Pin	
M-4319026	6	Roller	
M-3679504	6	Lock Pin	

CYLINDER HEAD COMPONENTS TWIN CAM (cont.)

Part # **Description** Note Qty M-4319029PR Pin & Roller Kit - Valve Rocker 17mm - Intake Rear / Exhaust Front 6 --M-4319029 6 --Pin --M-4319026 --Roller 6 --M-3679504 6 --Lock Pin M-4312003PR Pin & Roller Kit - Injector Rocker 6 --M-4312003 6 --Pin --Roller --M-4319027 6 --Lock Pin --M-3679504 6 MCB3680873 6 Injector Tube Kit Includes seal --M-3680873 6 --Injector Sleeve --M-3678536 --Injector Seal Ring 6 MCB7141 Injector Sleeve - Optional 6 Copper alloy M-3678536 Injector Seal Ring 6 Camshaft Bushing Kit - STD MCB7107 Twin-Cam 1 --M-3680580 4 --Injector Camshaft Bushing --M-3680581 --Injector Camshaft Bushing 3 --Valve Camshaft Bushing --M-4026423 7 MCB7108 1 Camshaft Bushing Kit - 1.0mm Twin-Cam 4 --Injector Camshaft Bushing --MCB7105 --Injector Camshaft Bushing --MCB7106 3 7 --Valve Camshaft Bushing --MCB7114 M-3015865 7 **Expansion Plug** M-3813247 21 **Expansion Plug Dowel Pin** M-3901846 2 M-3678506 22 Cylinder Head Bolt M-3678804 4 Cylinder Head Bolt Valve Cover Gasket 1 M-4026507 1 Valve Cover Gasket M-3104392 ISX07 - Groove in cover M-4026511 8 Valve Cover Noise Isolator ISX/QSX15 M-3100895 8 Valve Cover Noise Isolator ISX/QSX15 Valve Cover Noise Isolator M-3104388 8 ISX07

CYLINDER HEAD COMPONENTS SINGLE CAM ISX2010 HPCR

Part #	Qty	Description	Note
M-3685996	12	Intake Valve	
M-3104445	12	Intake Valve Seat	
M-4101454	12	Exhaust Valve	
M-3679659	12	Exhaust Valve Seat	
M-3680883	48	Valve Lock	
M-4026657	24	Valve Guide	
M-4356366	24	Valve Stem Seal - Int & Exh	"Top Hat" design
M-3679551	24	Valve Spring	
M-3680884	24	Valve Spring Retainer	
	_	T	
M-4319030PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Front / Exhaust Rear
M-4319029PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Rear / Exhaust Front
MCB7243	6	Injector Tube Kit	Tube, retainer & seal
M-4026423	7	Valve Camshaft Bushing - STD	
MCB7114	7	Valve Camshaft Bushing - 1.0mm	
M-3678506	22	Culindar Hood Polt	
		Cylinder Head Bolt	
M-3678804	4	Cylinder Head Bolt	
M-3104392	1	Valve Cover Gasket	
M-3104388	8	Valve Cover Noise Isolator	

LUBRICATION SYSTEM

Part #	Qty	Description	Note
M-4309499	1	Lube Oil Pump Assy	QSX cast iron
M-2881757	1	Lube Oil Pump Assy	ISX aluminum
M-5532492	1	Lube Oil Pump Assy	Cast iron
M-3800751	1	Shim Kit	
M-2892304	AR	Oil Cooler Core	63mm 10-plate stainless steel
M-4966084	2	Oil Cooler O-Ring Seal	
M-4952629	1	Oil Cooler Thermostat	235°F
M-4952631	1	Oil Cooler Thermostat	215°F
M-4955778	1	Oil Cooler Installation Kit	
M-4965482	AR	Oil Cooler Core	83mm 13-plate stainless steel
M-4966084	2	Oil Cooler O-Ring Seal	
M-4952629	1	Oil Cooler Thermostat	235°F
M-4952631	1	Oil Cooler Thermostat	215°F

COOLING SYSTEM

Part #	Qty	Description	Note
M-4318946	1	Thermostat - 160°F	ISX02 & up
M-4318947	1	Thermostat - 180°F	ISX02 & up
M-4318946	2	Thermostat - 160°F	ISX1/2
M-4336659	2	Thermostat - 180°F	ISX1/2
	1	I=	
M-186780	A/R	Thermostat Seal	
M-4089908	1	Water Pump Assembly - 1-Piece	ISX 1&2 - 10 groove pulley (5473366)
M-4089909	1	Water Pump Assembly - 1-Piece	QSX15 (5473363)
M-4089910	1	Water Pump Assembly - 1-Piece	ISX02 / 870 - 12 groove pulley (5473364)
M-3684449	1	Water Pump Assembly - 2-Piece	ISX871 / 2250 EGR
M-3687130	1	Water Pump Assembly - 2-Piece	ISX871 / 2250 EGR - (4386570)
M-3684450	1	Water Pump Cartridge	Cartridge only (4386576)
M-3684384	1	Water Pump Cartridge Seal Ring	
M-4090022	1	Water Pump Minor Repair Kit	Snap ring, impeller cover & 0-rings
M-3678724	1	Water Pump O-Ring	Included in M-4090022
M-3680410	1	Water Pump Cover	Included in M-4090022

HPI FUEL INJECTORS

Part #	Qty	Description	Note
R-4010292	6	Fuel Injector - Reman	ISX1/ ISX2 / 400 / 450
R-4062567	6	Fuel Injector - Reman	ISX1 / ISX2 / 450 ST2
R-4062568	6	Fuel Injector - Reman	ISX3 / Signature / 600 / 565
R-4062569	6	Fuel Injector - Reman	ISX1 / ISX2 / QSX15 / QSX15-C440
R-4088301	6	Fuel Injector - Reman	ISX1 / ISX2 ISX500/475 ST2
R-4088327	6	Fuel Injector - Reman	ISX1 / ISX2
R-4088665	6	Fuel Injector - Reman	ISX 07 / ISX2 / ISX3 EGR / ISX 870/HHP
R-4928260	6	Fuel Injector - Reman	QSX 07
R-4928262	6	Fuel Injector - Reman	QSX 07
R-4954434	6	Fuel Injector - Reman	ISX 07
R-4954888	6	Fuel Injector - Reman	ISX 07

SEE CPL MATRIX FOR EXACT APPLICATIONS

FUEL SYSTEM

Part #	Qty	Description	Note
M-4024808	1	Fuel Solenoid Kit	
	1		
M-3417141	6	Injector Follower Spring	HPI Injectors
M-4025062	6	Injector O-Ring Kit	External seals (Ref p/n MCBISXINJ)
MCBISXINJ-1	6	Injector Screen Kit	External screens
M-4025063	A/R	Injector Seal Kit	Seals, retaining pins, dust seal
M-4025063-0H	A/R	Injector Seal - O/H Kit	Seals, retaining pins, dust seal & screens
MCBISXINJ-2	6	Injector O-Ring Kit	External seals - HPCR engines
M-4089431RK	1	Gear Pump Repair Kit	HPI fuel system

ENGINE CONTROL SYSTEM

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

EXHAUST SYSTEM

Part #	Qty	Description	Note
M-4965698	12	Exhaust Manifold Bolt	
M-4965512	12	Exhaust Manifold Spacer	
MCBISX009	1	Exhaust Hardware Kit	ISX/QSX CM570 - ISX CM2250
MCBISX019	1	Exhaust Hardware Kit	ISX CM870 / CM871

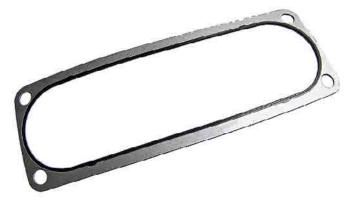
AFTERTREATMENT COMPONENTS

Part #	Qty	Description	Note	
M-2871863	A/R	V-Band Clamp	12"diameter Affectroatment Medela	
M-2871453	A/R	Aftertreatment Gasket	13"diameter Aftertreatment Models	
M-2880215	A/R	Gasket - Inlet / Outlet Connection	6.25" O.D.	
M-2866337	A/R	Gasket - Inlet / Outlet Connection	5.75" O.D.	
MCBISX019	1	Exhaust Hardware Kit	ISX CM870 / CM871	

GASKETS - ISX/QSX HPI

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





GASKETS - ISX/QSX HPI (cont.)

Part #	Qty	Description	Note
M-3684336	1	Thermostat Housing Gasket	
M-3678602	2	Thermostat Housing O-Ring	
M-186780	2	Thermostat Seal	
M-186780	1	Thermostat Seal	ISX02/07
M-3680324	1	Turbo Flange Gasket	
M-3101268	1	Turbo Flange Gasket	ISX02/07
M-4026884	1	Turbo Mounting Gasket	
M-3102314	1	Turbo Mounting Gasket	ISX02/07
M-3679139	1	Turbo Oil Supply O-Ring	
M-3066211	1	Turbo Outlet Seal	
M-3682177	1	Turbo Outlet Seal	ISX02
M-4026507	1	Valve Cover Gasket	
M-3104392	1	Valve Cover Gasket	ISX07 - grooved cover
M-3679937	1	Valve Cover Gasket	
M-3678724	1	Water Pump O-Ring	
M-3684384	1	Water Pump O-Ring	Cartridge to pump housing
M-4059172	1	Water Pump O-Ring	
M-3683814	2	Water Pump O-Ring	EGR coolant tube



GASKETS - ISX15 HPCR

Part #	Qty	Description	Note
M-3685614	1	Air Comp. Mounting Gasket	
M-4907448	1	Exhaust Manifold Gasket	CM2250 - Composite
M-4907447	4	Exhaust Manifold Gasket	CM2250 - Composite
M-3682940	1	Exhaust Manifold Gasket	CM2350 - Steel
M-3682710	4	Exhaust Manifold Gasket	CM2350 (5486657) - Steel
M-4965688	1	Flywheel Housing Gasket	To cylinder block (4393176)
M-3026134	1	Flywheel Housing Gasket	Access cover
M-3687007	1	Front Cover Seal Strip	
M-3686758	1	Fuel Pump Mounting Gasket	(5414049)
M-4393089	1	Gear Housing Gasket	To cylinder block
M-3033247	1	Intake Connection Seal	
M-3688347	1	Intake Manifold Gasket	
M-4973532	2	Oil Cooler Core Gasket	
M-3104232	1	Oil Cooler Housing Gasket	(3689755)
M-3678606	1	Oil Pan Drain Plug Seal	
M-4026684	1	Oil Pan Gasket	
M-3678756	1	Oil Pickup Tube Seal	
M-3682673	1	Thermostat Cover Gasket	
M-3684336	1	Thermostat Housing Gasket	
M-186780	1	Thermostat Seal	
M-3685535	1	Turbo Mounting Gasket	(3695041)
M-3679139	1	Turbo Oil Supply O-Ring	
M-5264570	1	Turbo Drain Gasket	
M-3104392	1	Valve Cover Gasket	
M-3678724	1	Water Pump O-Ring	
M-4059172	1	Water Pump O-Ring	
M-3683814	2	Water Pump O-Ring	EGR coolant tube





Part #	Description	Page #
2863938	Piston	10
2863939	Piston	10
2882630	Piston	10
2882631	Piston	10
2882635	Piston	10
2882636	Piston	10
3104186	Piston	10
3684467	Piston	10
3684472	Piston	10
3686366	Piston	10
3687177	Piston	10
3687605	Piston	10
3687897	Piston	10
3688099	Piston	10
3688100	Piston	10
3688405	Piston	10
4298991	Piston	10
4298992	Piston	10
4923744	Piston	10
M-186780	Thermostat Seal	24, 25
M-2866337	Gasket - Inlet / Outlet Connection	22
M-2871453	Aftertreatment Gasket	22
M-2871863	V-Band Clamp	22
M-2872195	Fuel Pump Mounting Gasket	23
M-2880215	Gasket - Inlet / Outlet Connection	22
M-2881756	Piston Ring Set	15
M-2881757	Lube Oil Pump Assy	20
M-2881758	Piston Kit APR - X15 Tier 4	15
M-2881766	Lower Gasket Set	6, 7, 17
M-2881873	Piston Kit - ISX1 / ISX2	15
M-2881876	Piston Kit - ISX3 / Signature	15
M-2882023	Piston Kit APR - X15 Tier 4	15
M-2882080	Piston Kit APR - X15 Tier 4	15
M-2882087	Connecting Rod Bearing - STD	16
M-2882118	Piston Kit - QSX Tier 3	15
M-2882120	Piston Kit - QSX Tier 2	15
M-2882581	Connecting Rod Bushing	16
M-2892304	Oil Cooler Core	20
M-3007632	Expansion Plug	16

Part #	Description	Page #
M-3015865	Expansion Plug	16, 19
M-3026134	Flywheel Housing Gasket	18, 23, 25
M-3033247	Intake Connection Seal	23, 25
M-3064305	Piston Pin Retainer	15
M-3066211	Turbo Outlet Seal	23, 24
M-3100895	Valve Cover Noise Isolator	19
M-3101268	Turbo Flange Gasket	24
M-3102196	Flywheel Housing	18
M-3102314	Turbo Mounting Gasket	24
M-3104232	Oil Cooler Housing Gasket	25
M-3104388	Valve Cover Noise Isolator	19, 20
M-3104392	Valve Cover Gasket	19, 20, 24, 25
M-3104445	Intake Valve Seat	18, 20
M-3417141	Injector Follower Spring	22
M-3678506	Cylinder Head Bolt	16, 19, 20
M-3678536	Injector Seal Ring	19
M-3678574	Connecting Rod Bolt	15
M-3678602	Thermostat Housing O-Ring	24
M-3678606	Oil Pan Drain Plug Seal	23, 25
M-3678724	Water Pump O-Ring	21, 24, 25
M-3678738	Cylinder Liner Seal Ring	15
M-3678756	Oil Pickup Tube Seal	23, 25
M-3678770	Intake Connection Gasket	23
M-3678804	Cylinder Head Bolt	19, 20
M-3679139	Turbo Oil Supply O-Ring	24, 25
M-3679336	Roller	18
M-3679487	Pin	18
M-3679487PR	Pin & Roller Kit - Valve Rocker	18
M-3679504	Lock Pin	18, 19
M-3679537	Exhaust Valve Seat	18
M-3679551	Valve Spring	18, 20
M-3679659	Exhaust Valve Seat	18, 20
M-3679937	Valve Cover Gasket	24
M-3680284	ECM Isolator/Gasket	22, 23
M-3680324	Turbo Flange Gasket	24
M-3680410	Water Pump Cover	21
M-3680580	Injector Camshaft Bushing	16, 19
M-3680581	Injector Camshaft Bushing	16, 19
M-3680602	Thermostat Cover Gasket	23
M-3680873	Injector Sleeve	19

Part #	Description	Page #
M-3680883	Valve Lock	18, 20
M-3680884	Valve Spring Retainer	18, 20
M-3682066	EGR Mixer Seal	23
M-3682177	Turbo Outlet Seal	23, 24
M-3682577	ECM Isolator/Gasket	22, 23
M-3682673	Thermostat Cover Gasket	23, 25
M-3682710	Exhaust Manifold Gasket	23, 25
M-3682940	Exhaust Manifold Gasket	23, 25
M-3683814	Water Pump O-Ring	24, 25
M-3684336	Thermostat Housing Gasket	24, 25
M-3684384	Water Pump O-Ring	21, 24
M-3684449	Water Pump Assembly - 2-Piece	21
M-3684450	Water Pump Cartridge	21
M-3685234	Cylinder Liner Seal Ring	15
M-3685535	Turbo Mounting Gasket	25
M-3685614	Air Comp. Mounting Gasket	25
M-3685996	Intake Valve	18, 20
M-3686758	Fuel Pump Mounting Gasket	25
M-3687007	Front Cover Seal Strip	25
M-3687058	Piston Cooling Nozzle	15
M-3687130	Water Pump Assembly - 2-Piece	21
M-3688347	Intake Manifold Gasket	25
M-3689108	Connecting Rod	15
M-3689296	Piston Pin	15
M-3800298	Main Bearing Set - STD	16
M-3800453	Cylinder Liner Kit - Grooved Top	15
M-3800751	Shim Kit	20
M-3813247	Expansion Plug	19
M-3867481	Fuel Pump Mounting Seal	23
M-3901846	Dowel Pin	16, 19
M-4022516	Turbocharger Gasket Set	17
M-4024808	Fuel Solenoid Kit	22
M-4025062	Injector O-Ring Kit	17, 22
M-4025063	Injector Seal Kit	17, 22
M-4025063-0H	Injector Seal - O/H Kit	17, 22
M-4026423	Valve Camshaft Bushing	16, 19, 20
M-4026507	Valve Cover Gasket	19, 24
M-4026511	Valve Cover Noise Isolator	19
M-4026657	Valve Guide	18, 20

Part #	Description	Page #
M-4026684	Oil Pan Gasket	23, 25
M-4026779PR	Pin & Roller Kit - Valve	18
	Rocker	
M-4026884	Turbo Mounting Gasket	24
M-4059172	Water Pump O-Ring	24, 25
M-4059322	Roller	18
M-4059429	Connecting Rod	15
M-4059448	Connecting Rod Bushing	16
M-4076493	Sensor - Pressure	22
M-4089139	Connecting Rod Bearing - STD	16
M-4089153	Cylinder Liner Kit - Non-APR	15
M-4089405	Connecting Rod Bearing - STD	16
M-4089431RK	Gear Pump Repair Kit	22
M-4089845	Main Bearing Set25mm	16
M-4089846	Main Bearing Set50mm	16
M-4089908	Water Pump Assembly - 1-Piece	21
M-4089909	Water Pump Assembly - 1-Piece	21
M-4089910	Water Pump Assembly - 1-Piece	21
M-4090016	Connecting Rod Bearing25mm	16
M-4090017	Connecting Rod Bearing50mm	16
M-4090022	Water Pump Minor Repair Kit	21
M-4101454	Exhaust Valve	18, 20
M-4101884	Vibration Damper	17
M-4309389	Cylinder Liner Kit - Non-APR	15
M-4309441	Piston Ring Set	15
M-4309442	Piston Ring Set	15
M-4309499	Lube Oil Pump Assy	20
M-4312003	Pin	19
M-4312003PR	Pin & Roller Kit - Injector Rocker	19
M-4312008	Valve Stem Seal - Int & Exh	18
M-4318946	Thermostat - 160°F	21
M-4318947	Thermostat - 180°F	21
M-4319026	Roller	18, 19
M-4319027	Roller	19
M-4319029	Pin	18, 19

Part #	Description	Page #
M-4319029PR	Pin & Roller Kit - Valve Rocker	19, 20
M-4319030	Pin	18
M-4319030PR	Pin & Roller Kit - Valve Rocker	18, 20
M-4336659	Thermostat - 180°F	21
M-4352144	Upper Gasket Set	17
M-4352145	Upper Gasket Set	17
M-4352288	In-Frame Engine Kit	5, 8, 9, 10
M-4352291	In-Frame Engine Kit	4, 5, 7, 9, 10
M-4356366	Valve Stem Seal - Int & Exh	18, 20
M-4376104	Upper Gasket Set	17
M-4376168	Cylinder Liner Kit - APR	15
M-4376171	Scraper Ring In-Frame Kit	4, 5, 8, 10
M-4376172	Scraper Ring In-Frame Kit	4, 5, 8, 10
M-4376174	Scraper Ring In-Frame Kit	4, 5, 6, 8, 9, 10
M-4376175	Scraper Ring In-Frame Kit	4, 5, 6, 7, 9, 10
M-4376220	Upper Gasket Set	17
M-4376221	Lower Gasket Set	17
M-4376241	Piston Kit APR - ISX 570	15
M-4376242	Piston Kit APR - ISX 570 - HHP	15
M-4376243	Piston Kit APR - ISX 870/1	15
M-4376244	Piston Kit APR - ISX 870/1 - HHP	15
M-4376360	Connecting Rod Bearing25mm	16
M-4376361	Connecting Rod Bearing50mm	16
M-4376391	Cylinder Liner Kit - APR	15
M-4376392	Cylinder Liner Kit - Non-APR	15
M-4376427	APR In-Frame Kit	6
M-4376428	Scraper Ring In-Frame Kit	4, 5, 6, 8, 9, 10
M-4376429	Scraper Ring In-Frame Kit	4, 5, 8, 10
M-4393089	Gear Housing Gasket	25
M-4907447	Exhaust Manifold Gasket	23, 25
M-4907448	Exhaust Manifold Gasket	23, 25
M-4921473	Sensor - Press/Temp	22
M-4921475	Sensor - Press/Temp	22
M-4921495	Sensor - Pressure	22

Part #	Description	Page #
M-4921499	Sensor - Pressure	22
M-4925762	Crankshaft Assembly	17
M-4952629	Oil Cooler Thermostat	20
M-4952631	Oil Cooler Thermostat	20
M-4954905	Sensor - Temperature	22
M-4955383	Front Seal Kit	17
M-4955590	Lower Gasket Set	4, 5, 7, 8, 9, 17
M-4955591	Lower Gasket Set	4, 5, 6, 7, 8, 9, 17
M-4955592	Oil Cooler Housing Gasket	23
M-4955778	Oil Cooler Installation Kit	20
M-4962721	Front Cover Seal Strip	23
M-4962722	Front Cover Seal Strip	23
M-4965482	Oil Cooler Core	20
M-4965512	Exhaust Manifold Spacer	22
M-4965569	Rear Seal Kit	17
M-4965688	Flywheel Housing Gasket	18, 23, 25
M-4965690	Air Comp. Mounting Gasket	23
M-4965698	Exhaust Manifold Bolt	22
M-4965868	Intake Valve	18
M-4966084	Oil Cooler O-Ring Seal	20
M-4973532	Oil Cooler Core Gasket	23, 25
M-4985562	Gear Housing Gasket	23
M-5264570	Turbo Drain Gasket	25
M-5298564	Counterbore Shim020"	15
M-5298565	Counterbore Shim032"	15
M-5405987	APR In-Frame Kit	7
M-5405988	Scraper Ring In-Frame Kit	4, 5, 6, 7, 9, 10
M-5473065	Scraper Ring In-Frame Kit	6, 10
M-5473066	Scraper Ring In-Frame Kit	10
M-5473066	APR In-Frame Kit	6
M-5473069	Scraper Ring In-Frame Kit	10
M-5473069	APR In-Frame Kit	7
M-5473070	Scraper Ring In-Frame Kit	6, 7, 10
M-5473074	Scraper Ring In-Frame Kit	6, 7, 10
M-5473075	Scraper Ring In-Frame Kit	6, 7, 10
M-5532492	Lube Oil Pump Assy	20
MCB3680873	Injector Tube Kit	19
MCB4025214	Inframe Kit - Re-Ring - 2pc Articulated	11

INDEX		
Part #	Description	Page #
MCB4309389	Inframe Kit - Re-Ring - 1pc Steel - HPCR	11
MCB4309389-1	Inframe Kit - Re-Ring - 1pc Steel	11
MCB4309389-2	Inframe Kit - Re-Ring - 1pc Steel	11
MCB4376168	Inframe Kit - Re-Ring - 1pc Steel - HPCR	11
MCB4376168-1	Inframe Kit - Re-Ring - 1pc Steel	11
MCB4376391	Inframe Kit - Re-Ring - 1pc Steel - HPCR	11
MCB4376391-1	Inframe Kit - Re-Ring - 1pc Steel	11
MCB4376392	Inframe Kit - Re-Ring - 1pc Steel - HPCR	11
MCB4376392-1	Inframe Kit - Re-Ring - 1pc Steel	11
MCB4376392-2	Inframe Kit - Re-Ring - 1pc Steel	11
MCB7105	Injector Camshaft Bushing	16, 19
MCB7106	Injector Camshaft Bushing	16, 19
MCB7107	Camshaft Bushing Kit - STD	16, 19
MCB7108	Camshaft Bushing Kit - 1.0mm	16, 19
MCB7114	Valve Camshaft Bushing	16, 19, 20
MCB7141	Injector Sleeve - Optional	19

Part #	Description	Page #
MCB7243	Injector Tube Kit	20
MCBISX0007	Gear Cover Gasket Set - HPI	17
MCBISX0015	EGR Supplemental Gasket Set	17
MCBISX0017	Gear Cover Gasket Set - MCRS	17
MCBISX0027	Gear Cover Gasket Set - HPI	17
MCBISX0037	Gear Cover Gasket Set - MCRS	17
MCBISX005	Turbocharger Gasket Set	17
MCBISX009	Exhaust Hardware Kit	22
MCBISX019	Exhaust Hardware Kit	22
MCBISXINJ-1	Injector Screen Kit	17, 22
MCBISXINJ-2	Injector O-Ring Kit	17, 22
R-4010292	Fuel Injector - Reman	4, 5, 21
R-4062567	Fuel Injector - Reman	4, 5, 8, 21
R-4062568	Fuel Injector - Reman	4, 5, 8, 21
R-4062569	Fuel Injector - Reman	5, 8, 9, 21
R-4088301	Fuel Injector - Reman	4, 5, 8, 21
R-4088327	Fuel Injector - Reman	8, 21
R-4088665	Fuel Injector - Reman	5, 8, 9, 21
R-4928260	Fuel Injector - Reman	4, 5, 7, 9, 21
R-4928262	Fuel Injector - Reman	9, 21
R-4954434	Fuel Injector - Reman	4, 5, 21
R-4954888	Fuel Injector - Reman	4, 21



INTERSTATE-MCBEE, LLC LIMITED GENERAL PRODUCTS WARRANTY

- All Fuel Injection. New & Remanufactured
- Engine Management Systems & Components

Coverage

The parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twelve (12) months (unlimited miles and hours), from date of first installation in an engine. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

This warranty does not apply to parts provided by Interstate Interstate-McBee on a no-charge basis. In no event shall this warranty extend beyond twenty four (24) months from date of sale or manufacture.

INTERSTATE-MCBEE RESPONSIBILITIES

The obligation of Interstate-McBee under this warranty, statutory or otherwise, is limited to the replacement or repair of Interstate-McBee parts, which our inspection discloses to our satisfaction to have been defective. Repair will be performed at our factory in Cleveland, OH or other Interstate-McBee approved facility. Proof of purchase is required.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. Copies of all work orders and invoices for repairs to the engine must accompany the claim. Additionally, on electronically controlled engines a complete Electronic Control Module (ECM) report (Extraction, Download) must also accompany the claim. ALL CLAIMS MUST BE FILED ONLINE ATWWW.INTERSTATE-MCBEE.COM.

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; over-speeding; lack of maintenance of lubricating system, coolant or air intake systems; improper storage, or starting. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and or trademark of another company. These parts are warranted by their manufacturers and not by Interstate-McBee. In no event shall this warranty extend beyond (twenty four (24) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Intestate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy.

This warranty shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's Extended Warranty). Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof is prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or the enforceability of any other warranty provisions or portions thereof.

INTERSTATE-MCBEE, LLC LIMITED EXTENDED WARRANTY

• Engine Parts

Diesel Engine

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service for a period of twenty-four (24) months from the date of installation, without mileage or hour limitation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

Natural Gas or Methane Engine and Prime Power Generation

New engine parts furnished by Interstate-McBee are warranted to be free from defects in material and workmanship under normal use and service, for a period of twenty four (24) months from the date of installation with the exception of valve train components which are warranted for twelve (12) months from the date of installation. This warranty applies to all owners in the chain of distribution, i.e. distributor, dealer, original owner, until the end of the respective periods of coverage and shall not apply to subsequent owners.

INTERSTATE-MCBEE RESPONSIBILITIES

Interstate-McBee will pay only for parts, labor and fluids needed to repair damages directly resulting from an above defined warranty failure to the functional condition existing immediately prior to the failure, including progressive damage to the engine in which the warrantable part was installed, provided Interstate-McBee's inspection of said failed part or parts discloses to our satisfaction to have been defective. Labor cost will be paid but not to exceed published flat rates times at Interstate-McBee's standard hourly rate. No overtime or holiday rates will be allowed. Only new or rebuilt Interstate-McBee or Interstate-McBee approved parts will be used in making the repair.

OWNER'S RESPONSIBILITIES

Owner is responsible for the operation and maintenance of the engine as specified in the APPLICABLE O.E.M. OPERATION AND MAINTENANCE MANUALS. Owner must give notice within (30) days of any suspected failure and before expiration of applicable warranty to be considered warrantable. Owner will provide alleged defective and associated parts for examination by Interstate-McBee and, if requested, return same F.O.B. Cleveland, Ohio. Additionally, a complete Electronic Control Module report must accompany the claim. Interstate-McBee further reserves the right to examine any engine subject to a claim under this warranty. Approved warranty work is to be performed by an authorized Interstate-McBee Distributor or Dealer or other Interstate-McBee approved facility. Copies of all work orders and invoices for repairs to the engine must accompany the claim. Owner is responsible for all costs, including, but not limited to, repairs made to items other than the engine in which the parts are installed, "downtime" expenses and all business costs and losses resulting from a warrantable failure. ALL CLAIMS MUST BE FILED ONLINE AT WWW. INTERSTATE-MCBEE.COM

WARRANTY LIMITATIONS

Interstate-McBee is not responsible for failure resulting from owner or operator abuse or neglect, such as, but not limited to: operation without adequate coolant, fuel or lubricants; over fueling; over speeding; lack of maintenance of lubricating, coolant or air intake systems; improper storage, starting, warm-up, run-in or shut down practices. Interstate-McBee is not responsible for failures resulting from improper repair or installation, for parts that have been altered or for parts not approved by Interstate-McBee. This warranty does not apply to parts furnished on a no charge basis. Interstate-McBee does not warrant parts supplied by Interstate-McBee which bear the name and trademark of another company. These parts are warranted by their manufacturers and not Interstate-McBee.. In no event shall this warranty extend beyond (36) months from the date of sale. THERE ARE NO WARRANTIES EXPRESSED, IMPLIED OR STATUTORY, FOR THE PARTS NAMED HEREIN BEFORE, MADE BY INTERSTATE-MCBEE OTHER THAN SET FORTH HEREIN. We neither assume nor authorize any other persons to assume for us any other liability in connection with our products. INTERSTATE-MCBEE SHALL NOT BE RESPONSIBLE FOR ANY OTHER CONSEQUENTIAL DAMAGES OR CONTINGENT LIABILITIES. Further, in no event shall Intestate-McBee bear any responsibility for any damages, which exceed the then available aggregate coverage provided under the terms and conditions of its product liability policy.

This warranty shall be interpreted, governed and enforced in accordance with the laws of the State of Ohio, U.S.A. (For products not covered herein, see Interstate-McBee's General Product Warranty.) Any actions or proceedings relating to this warranty must be filed or commenced within three (3) months of the alleged breach. If any of these warranty provisions or portions thereof prohibited by law or by any court of competent jurisdiction, in any locality, its invalidity or unenforceability shall not affect the validity or enforceability of any other warranty provisions or portions thereof.



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