



# INTERSTATE-McBEE



## New Replacement Parts for **CUMMINS®**

# ISX-QSX Engine Applications



**INTERSTATE-McBEE, LLC**

5300 Lakeside Avenue • Cleveland, Ohio 44114 U.S.A.  
216-881-0015 • Toll Free: 1-800-321-4234 • Fax: 216-881-0805  
[www.interstate-mcbee.com](http://www.interstate-mcbee.com) • E-mail: [sales@interstate-mcbee.com](mailto:sales@interstate-mcbee.com)

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## **ISX-QSX**

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# ISX-QSX CPL LISTING

CPL #	MODEL	IN-FRAME KIT Non-APR	APR * IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
927	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	
1434	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4954888
1437	ISX 870	M-4352290	M-4376175*	M-4955591	
1732	QSX 07	M-4352291	M-4376176*	M-4955590	R-4928260
1771	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088301
2440	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4010292
2441	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4062567
2442	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2483	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2627	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4010292
2628	ISX 400/450	M-4352286	M-4376171*	M-4955590	R-4010292
2629	ISX500/475 ST2	M-4352286	M-4376171*	M-4955590	R-4088301
2630	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2631	ISX 450	M-4352286	M-4376171*	M-4955590	R-4010292
2632	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088301
2633	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2732	ISX 07	M-4352290	M-4376175*	M-4955591	R-4954434
2733	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4954888
2734	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
2801	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2803	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4010292
2814	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4062567
2816	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2825	Industrial / GenSet	M-4352288	M-4376173*	M-4955590	R-4062569
2834	Signature 600/565	M-4352287	M-4376172*	M-4955590	R-4062568
2835	Signature 600/565	M-4352288	M-4376173*	M-4955590	R-4062568
2836	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2837	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2900	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
2919	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
2933	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088301

NOTE: The In-Frame kit numbers specified here are for use in engines that were originally built with one piece steel pistons or those that have been already updated to one piece steel pistons. These kits do not include connecting rods.

\*\* Contains 152mm Cylinder Liner

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# ISX-QSX CPL LISTING

CPL #	MODEL	IN-FRAME KIT Non-APR	APR * IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
2934	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088301
2965	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
3087	QSX 07	M-4352291	M-4376176*	M-4955590	R-4928260
3088	QSX 07	M-4352291	M-4376176*	M-4955590	R-4928260
3167	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	
3229	ISX 07	M-4352290	M-4376175*	M-4955591	R-4954434
3348	ISX10		M-4376177* M-4376427**	M-2881766	
3349	ISX10		M-4376177* M-4376427**	M-2881766	
3350	ISX10		M-4376178*	M-2881766	
3356	ISX10		M-4376178*	M-2881766	
3376	ISX10		M-4376177 M-4376427**	M-2881766	
3458	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	
3459	ISX 07	M-4352290	M-4376175*	M-4955591	
3490	ISX10		M-4376177* M-4376427**	M-2881766	
3491	ISX10		M-4376177* M-4376427**	M-2881766	
3606	ISX10		M-4376178*	M-2881766	
3657	ISX10		M-4376179*	M-2881766	
3687	ISX10		M-4376177* M-4376427**	M-2881766	
3688	ISX10		M-4376177* M-4376427**	M-2881766	
3719	ISX10		M-4376179*	M-2881766	
3724	ISX10		M-4376179*	M-2881766	
3765	ISX10		M-4376178*	M-2881766	
3766	ISX10		M-4376178*	M-2881766	
3775	ISX 07	M-4352290	M-4376175*	M-4955591	
3794	ISX10		M-4376178*	M-2881766	
3797	ISX10		M-4376178*	M-2881766	
3937	ISX10		M-4376179*	M-2881766	

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CPL #	MODEL	IN-FRAME KIT Non-APR	APR * IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
3938	ISX10		M-4376178*	M-2881766	
3939	ISX10		M-4376178 *	M-2881766	
4262	QSX 07	M-4352291	M-4376176 *	M-4955590	R-4928260
4583	ISX10		M-4376179 *	M-2881766	
4584	ISX10		M-4376178*	M-2881766	
4585	ISX10		M-4376178 *	M-2881766	
4586	ISX10		M-4376179 *	M-2881766	
4587	ISX10		M-4376178 *	M-2881766	
4588	ISX10		M-4376178 *	M-2881766	
8046	ISX 450 ST2	M-4352286	M-4376171*	M-4955590	R-4062567
8047	ISX 450 ST2	M-4352286	M-4376171 *	M-4955590	R-4062567
8048	ISX1 / ISX2	M-4352286	M-4376171 *	M-4955590	R-4062567
8081	Industrial / GenSet	M-4352288	M-4376173 *	M-4955590	R-4062569
8083	ISX1 / ISX2	M-4352286	M-4376171 *	M-4955590	R-4062569
8125	ISX2 / ISX3 EGR	M-4352289	M-4376174*	M-4955591	R-4088665
8142	Industrial / GenSet	M-4352288	M-4376173 *	M-4955590	R-4062569
8242	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4062569
8243	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088327
8244	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088301
8246	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
8247	ISX3 / Signature	M-4352287	M-4376172*	M-4955590	R-4062568
8255	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088327
8257	ISX1 / ISX2	M-4352286	M-4376171*	M-4955590	R-4088327
8258	ISX1 / ISX2	M-4352286	M-4376171 *	M-4955590	R-4088327
8281	ISX2 / ISX3 EGR	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8282	ISX2 / ISX3 EGR	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8283	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8284	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8285	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8286	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665

NOTE: The In-Frame kit numbers specified here are for use in engines that were originally built with one piece steel pistons or those that have been already updated to one piece steel pistons. These kits do not include connecting rods.

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# ISX-QSX CPL LISTING

CPL #	MODEL	IN-FRAME KIT Non-APR	APR * IN-FRAME KIT (In Development)	LOWER GASKET SET	FUEL INJECTOR
8287	ISX 870	M-4352290	M-4376175*	M-4955591	R-4088665
8288	ISX 870	M-4352290	M-4376175 *	M-4955591	R-4088665
8469	QSX15	M-4352288	M-4376173*	M-4955590	R-4062569
8518	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8519	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8520	ISX 870	M-4352290	M-4376175 *	M-4955591	R-4088665
8521	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8522	ISX 870 HHP	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8523	ISX 870	M-4352290	M-4376175 *	M-4955591	R-4088665
8571	QSX15	M-4352288	M-4376173*	M-4955590	R-4062569
8587	QSX15	M-4352288	M-4376173 *	M-4955590	R-4062569
8588	QSX15-C440	M-4352288	M-4376173*	M-4955590	R-4062569
8660	ISX 07	M-4352289 M-4352392**	M-4376174* M-4376428**	M-4955591	R-4088665
8760	QSX 07	M-4352291	M-4376176 *	M-4955590	R-4928260
8761	QSX 07	M-4352291	M-4376176*	M-4955590	R-4928260
8762	QSX 07	M-4352291	M-4376176 *	M-4955590	R-4928262
8764	QSX 07	M-4352291	M-4376176*	M-4955590	

NOTE: The In-Frame kit numbers specified here are for use in engines that were originally built with one piece steel pistons or those that have been already updated to one piece steel pistons. These kits do not include connecting rods.

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# ISX-QSX

## PISTON & ENGINE KIT PROGRESSION

Model	Piston	Piston Kit	Engine Kit	Piston Kit	Engine Kit
ISX1 ISX2	2882635	2881873	2881871	M-2881873	M-4352286*
	4101478	4089411	2881872		
	4101877	4089586	4089890		
	4920308	4089896	4309129		
	4923745	4955966	4955597		
			4955683		
			4352286		
ISX3 Signature	2882636	2881876	2881874	M-2881876	M-4352287*
	4101479	4089413	2881875		
	4101878	4089587	4089891		
	4920309	4089897	4309130		
	4923746	4955967	4955598		
			4955684		
			4352287		
ISX870 HHP ISX07 871 HHP	2882631	2881878	2881881	M-2881878	M-4352289* M-4352392**
	3684467	4089409	2881882		
	4059397	4089584	4089893		
	4101875	4089894	4309131		
	4920306	4955923	4955600		
	4923743		4955635		
			4352289		
ISX870 ISX07 871	3684472	2881879	2881886	M-2881879	M-4352290*
	2882630	4955968	4955636		
			4352290		
QSX	3681665	2882120	2882123	M-2882120	M-4352288*
	4059241	4089415	4089496		
	4059345	4089585	4089892		
	4923744	4089895	4955599		
	4298992		4352288		
QSX07	3104186	2882118	2881839	M-2882118	M-4352291*
	4298991	4955227	2882119		
			4352291		

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# ISX-QSX

## IN-FRAME ENGINE KITS

Part #	Qty	Description	Note
M-4352286* M-4352286CA	1	Inframe Kit - ISX1 / ISX2	M-2881873 Piston Kit
M-4352287* M-4352287CA	1	Inframe Kit - ISX3 / Signature	M-2881876 Piston Kit
M-4352288* M-4352288CA	1	Inframe Kit - QSX	M-2882120 Piston Kit
M-4352289* M-4352289CA	1	Inframe Kit - ISX 870 HHP ISX07 871 HHP	M-2881878 Piston Kit
M-4352290* M-4352290CA	1	Inframe Kit - ISX 870 ISX07 871	M-2881879 Piston Kit
M-4352291* M-4352291CA	1	Inframe Kit - QSX 07	M-2882118 Piston Kit
M-4352392	1	Inframe Kit - 152mm Cylinder Liner	M-2881878 Piston Kit

## IN-FRAME RE-RING KITS

Part #	Qty	Description	Note
MCB4025214* MCB4025214CA	1	Inframe Kit - Re-Ring	2pc Articulated w/o Pistons & Pins
MCB4955683* MCB4955683CA	1	Inframe Kit - Re-Ring	1pc Steel - Non EGR w/o Pistons
MCB4955635* MCB4955635CA	1	Inframe Kit - Re-Ring	1pc Steel - EGR w/o Pistons

## 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	

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# ISX-QSX

## CYLINDER COMPONENTS

Part #	Qty	Description	Note
M-2881873	6	Piston Kit - ISX1 / ISX2	
M-2881876	6	Piston Kit - ISX3 / Signature	
M-2881878	6	Piston Kit - ISX 870/1 - HHP	High Horse Power
M-2881879	6	Piston Kit - ISX 870/1	
M-2882120	6	Piston Kit - QSX	
M-2882118	6	Piston Kit - QSX 07	
M-4309442	6	Piston Ring Set	2pc Articulated Piston
M-4309441	6	Piston Ring Set	1pc Steel Piston
M-2881756	6	Piston Ring Set	ISX15 HPCR
M-4923748	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	6	Cylinder Liner Kit - Non-APR	150mm
M-4309389	6	Cylinder Liner Kit - Non-APR	150mm w/ Integral Shim
M-4376168*	6	Cylinder Liner Kit - APR	150mm w/ Integral Shim
M-2881719	6	Cylinder Liner Kit - Non-APR	152mm
M-4376391*	6	Cylinder Liner Kit - APR	152mm
M-3678738	6	Cylinder Liner Seal Ring	150mm
M-3685234	6	Cylinder Liner Seal Ring	152mm
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-5298564	AR	Counterbore Shim - .020"	Ref p/n 2892402
M-5298565	AR	Counterbore Shim - .032"	Ref p/n 2892403

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

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## ENGINE BEARINGS

Part #	Qty	Description	Note
M-4089405	6	Connecting Rod Bearing - STD	Drilled Machined Rod
M-4090016	6	Connecting Rod Bearing - .25mm OS	
M-4090017	6	Connecting Rod Bearing - .50mm OS	
M-2882087	6	Connecting Rod Bearing - STD	Fractured Rod
(In Development)	6	Connecting Rod Bearing - .25mm OS	
(In Development)	6	Connecting Rod Bearing - .50mm OS	
M-4089139	6	Connecting Rod Bearing - STD	Non-Drilled Rod <i>ONLY</i>
M-3800298	1	Main Bearing Set - STD	
M-4089845	1	Main Bearing Set - .25mm OS	
M-4089846	1	Main Bearing Set - .50mm OS	
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 - STD	
MCB7108	1	Camshaft Bushing Kit - 1.0mm OS	Twin Cam
MCB7105*	4	Injector Camshaft Bushing	
MCB7106*	3	Injector Camshaft Bushing	
MCB7114*	7	Valve Camshaft Bushing - 1.0mm OS	
M-4026423	7	Valve Camshaft Bushing - STD	Single Cam
MCB7114	7	Valve Camshaft Bushing - 1.0mm OS	
M-4059448	6	Connecting Rod Bushing	Drilled Machined Rod
M-2882581	N/A	Connecting Rod Bushing	Fractured Rod
M-3678574	24	Connecting Rod Bolt	

\*=Item contained in the above kit

# ISX-QSX

## GASKET SETS

Part #	Qty	Description	Note
M-4955595	1	Upper Gasket Set	Non-EGR Engines
M-4955596	1	Upper Gasket Set	EGR Engines
M-2881767	1	Upper Gasket Set	HPCR Engines
M-4955590	1	Lower Gasket Set	Non-EGR Engines
M-4955591	1	Lower Gasket Set	EGR Engines
M-2881766	1	Lower Gasket Set	HPCR Engines
MCBISX0007	1	Gear Cover Gasket Set	HPI Engines
M-4025062	6	Injector O-Ring Kit	External Seals ( <i>Ref p/n MCBISXINJ</i> )
MCBISXINJ-1	6	Injector O-Ring Kit	External Seals & Screens
M-4025063	1	Injector Seal Kit	Seals, Retaining Pins, Dust Seal
M-4025063-OH	1	Injector Seal - O/H Kit	Seals, Retaining Pins, Dust Seal & Screens
MCBISXINJ-2	6	Injector O-Ring Kit	External Seals - HPCR Engines

## CRANKSHAFT SEALS & DAMPER

Part #	Qty	Description	Note
M-4925762	1	Crankshaft Assembly	w/Gear, Wheel & Adaptor
M-4955383	1	Front Seal Kit	
M-4965569	1	Rear Seal Kit	
M-4101884	AR	Vibration Damper	1 or 2 per unit

## FLYWHEEL HOUSING

Part #	Qty	Description	Note
M-3680063	1	Flywheel Housing	
M-4965688	1	Flywheel Housing Gasket	to Cylinder Block
M-3026134	1	Flywheel Housing Gasket	Access Cover

# ISX-QSX

## CYLINDER HEAD COMPONENTS TWIN CAM

Part #	Qty	Description	Note
M-4965868	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-3683349	12	Exhaust Valve Seat	ISX07
M-3680883	48	Valve Lock	
M-4026657	24	Valve Guide	
M-4312008	24	Valve Stem Seal - Int & Exh	ESN 14010274 & up
M-3679551	24	Valve Spring	
M-4965891	24	Valve Spring	QSX570
M-3680884	24	Valve Spring Retainer	
M-4319030PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Front / Exhaust Rear
M-4319030*	6	Pin	
M-4319026*	6	Roller	
M-4319029PR	6	Pin & Roller Kit - Valve Rocker	17mm - Intake Rear / Exhaust Front
M-4319029*	6	Pin	
M-4319026*	6	Roller	
M-4312003PR	6	Pin & Roller Kit - Injector Rocker	
M-4312003*	6	Pin	
M-4319027*	6	Roller	
MCB3680873	6	Injector Tube Kit	
M-3680873*	6	Injector Sleeve	
M-3678536*	6	Injector Sleeve Seal Ring	
MCB7141	6	Injector Sleeve	Copper Alloy
M-3678536	6	Injector Sleeve Seal Ring	
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 - STD	
MCB7108	1	Camshaft Bushing Kit - 1.0mm OS	Twin Cam
MCB7105*	4	Injector Camshaft Bushing	
MCB7106*	3	Injector Camshaft Bushing	
MCB7114*	7	Valve Camshaft Bushing - 1.0mm OS	

\*=Item contained in the above kit

# ISX-QSX

## CYLINDER HEAD COMPONENTS TWIN CAM (cont.)

Part #	Qty	Description	Note
M-3015865	7	Expansion Plug	
M-3813247	21	Expansion Plug	
M-3901846	2	Dowel Pin	
M-3678506	22	Cylinder Head Bolt	
M-3678804	4	Cylinder Head Bolt	
M-4026511	8	Valve Cover Noise Isolator	ISX/QSX15
M-3100895	8	Valve Cover Noise Isolator	ISX/QSX15
M-3104388	8	Valve Cover Noise Isolator	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	
M-3679551	24	Valve Spring	
M-3680884	24	Valve Spring Retainer	
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 OS	
M-3678506	22	Cylinder Head Bolt	
M-3678804	4	Cylinder Head Bolt	
M-3104388	8	Valve Cover Noise Isolator	

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-QSX

## LUBRICATION SYSTEM

Part #	Qty	Description	Note
M-4309499	1	Lube Oil Pump	QSX Cast Iron
M-2881757	1	Lube Oil Pump Assy	ISX Aluminum
M-3800751	1	Shim Kit	
M-2892304	AR	Oil Cooler Core	1 or 2 per unit
M-4966084	2	Oil Cooler O-Ring Seal	
M-4952629	1	Oil Cooler Thermostat	235° Opening Temperature
M-4952631	1	Oil Cooler Thermostat	215° Opening Temperature
M-4955778	1	Oil Cooler Installation Kit	

## COOLING SYSTEM

Part #	Qty	Description	Note
M-4318946	1	Thermostat - 160°	ISX02 & up
M-4318947	1	Thermostat - 180°	ISX02 & up
M-4318946	2	Thermostat - 160°	ISX1/2
M-4336659	2	Thermostat - 180°	ISX1/2
M-186780	AR	Thermostat Seal	
M-4089908	1	Water Pump Assembly - 1-Piece	ISX1&2 - 10 Groove Pulley
M-4089909	1	Water Pump Assembly - 1-Piece	QSX15
M-4089910	1	Water Pump Assembly - 1-Piece	ISX02 - 12 Groove Pulley
M-3684449	1	Water Pump Assembly - 2-Piece	ISX870/871 EGR - Cartridge & Housing
M-3684450	1	Water Pump Cartridge	Cartridge only
M-4090022	1	Water Pump Minor Repair Kit	Snap Ring, Impeller Cover & O-Rings
M-3678724	1	Water Pump O-Ring	Included in M-4090022
M-3680410	1	Water Pump Cover	Included in M-4090022

# ISX-QSX

## 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	
M-4025062	6	Injector O-Ring Kit	External Seals ( <i>Ref p/n MCBISXINJ</i> )
MCBISXINJ-1	6	Injector O-Ring Kit	External Seals & Screens
M-4025063	AR	Injector Seal Kit	Seals, Retaining Pins, Dust Seal
M-4025063-OH	AR	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

## EXHAUST SYSTEM

Part #	Qty	Description	Note
M-4965698	12	Exhaust Manifold Bolt	
M-4965512	12	Exhaust Manifold Spacer	



# ISX-QSX

## ENGINE CONTROL SYSTEM

Part #	Qty	Description	Note
M-3680284	1	ECM Isolator/Gasket	CM570
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

## 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
M-3682066	1	EGR Mixer Seal	
M-3682177	1	EGR Mixer Seal	
M-4907448	1	Exhaust Manifold Gasket	
M-4907447	4	Exhaust Manifold Gasket	
M-3682940	1	Exhaust Manifold Gasket	ISX02
M-3682710	4	Exhaust Manifold Gasket	ISX02
M-4965688	1	Flywheel Housing Gasket	to Cylinder Block
M-3026134	1	Flywheel Housing Gasket	Access Cover
M-4962721	1	Front Cover Gasket	Upper - Seal Strip
M-4962722	1	Front Cover Gasket	Lower - Seal Strip
M-2872195	1	Fuel Pump Mounting Gasket	
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
M-4973532	4	Oil Cooler Core Gasket	
M-4955592	1	Oil Cooler Housing Gasket	
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

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-QSX

## 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
M-3680324	1	Turbo Flange Gasket	
M-3101268	1	Turbo Flange Gasket	ISX02
M-4026884	1	Turbo Mounting Gasket	
M-3102314	1	Turbo Mounting Gasket	ISX02
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-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
M-4907447	4	Exhaust Manifold Gasket	CM2250
M-3682940	1	Exhaust Manifold Gasket	CM2350
M-3682710	4	Exhaust Manifold Gasket	CM2350
M-4965688	1	Flywheel Housing Gasket	to Cylinder Block
M-3026134	1	Flywheel Housing Gasket	Access Cover
M-3687007	1	Front Cover Gasket	Seal Strip
M-3686758	1	Fuel Pump Mounting Gasket	
M-3685510	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	
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	
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

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M-2881757	Lube Oil Pump Assy	15
M-2881766	Lower Gasket Set	5, 6, 12
M-2881767	Upper Gasket Set	12
M-2881873	Piston Kit	8, 9, 10
M-2881876	Piston Kit	8, 9, 10
M-2881878	Piston Kit	8, 9, 10
M-2881879	Piston Kit	8, 9, 10
M-2882087	Connecting Rod Bearing	11
M-2882118	Piston Kit	8, 9, 10
M-2882120	Piston Kit	8, 9, 10
M-2882581	Connecting Rod Bushing	11
M-2892304	Oil Cooler Core	15
M-3007632	Expansion Plug	9
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M-3026134	Flywheel Housing Gasket	12, 17, 19
M-3033247	Intake Connection Seal	17, 19
M-3064305	Piston Pin Retainer	10
M-3066211	Connection Seal	17, 18
M-3100895	Valve Cover Noise Isolator	14
M-3101268	Turbo Flange Gasket	18
M-3102314	Turbo Mounting Gasket	18
M-3104232	Oil Cooler Housing Gasket	19
M-3104388	Valve Cover Noise Isolator	14
M-3104392	Valve Cover Gasket	18, 19
M-3104445	Intake Valve Seat	13, 14
M-3678506	Cylinder Head Bolt	14
M-3678536	Injector Seal Ring	13
M-3678574	Connecting Rod Bolt	10, 11
M-3678602	Thermostat Housing O-Ring	18
M-3678606	Oil Pan Drain Plug Seal	17, 19
M-3678724	Water Pump O-Ring	15, 18, 19
M-3678738	Cylinder Liner Seal Ring	10
M-3678756	Oil Pickup Tube Seal	17, 19
M-3678770	Intake Connection Gasket	17
M-3678804	Cylinder Head Bolt	14
M-3679139	Turbo Oil Supply O-Ring	18, 19
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M-3680602	Thermostat Cover Gasket	17
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M-3680883	Valve Lock	13, 14
M-3680884	Valve Spring Retainer	13, 14
M-3682066	EGR Mixer Seal	17
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M-4336659	Thermostat	15
M-4352286	Inframe Kit	4, 5, 6, 8, 9
M-4352287	Inframe Kit	4, 6, 8, 9
M-4352288	Inframe Kit	4, 6, 7, 8, 9
M-4352289	Inframe Kit	4, 5, 6, 7, 8, 9
M-4352290	Inframe Kit	4, 5, 7, 8, 9
M-4352291	Inframe Kit	4, 5, 6, 7, 8, 9
M-4352392	Inframe Kit	4, 5, 6, 7, 8, 9
M-4356366	Valve Stem Seal	14
M-4376168	Cylinder Liner Kit	10
M-4376391	Cylinder Liner Kit	10
M-4907447	Exhaust Manifold Gasket	17, 19
M-4907448	Exhaust Manifold Gasket	17, 19
M-4921473	Sensor - Press/Temp	17
M-4921475	Sensor - Press/Temp	17
M-4921495	Sensor - Pressure	17
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M-4955778	Oil Cooler Installation Kit	15
M-4962721	Front Cover Gasket	17
M-4962722	Front Cover Gasket	17
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M-4965868	Intake Valve	13
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M-4966084	Oil Cooler O-Ring Seal	15
M-4973532	Oil Cooler Core Gasket	17, 19
M-4985562	Gear Housing Gasket	17
M-5264570	Turbo Drain Gasket	19
M-5298564	Counterbore Shim	10
M-5298565	Counterbore Shim	10
MCB3680873	Injector Tube Kit	13
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MCB7105	Injector Camshaft Bushing	11, 13
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M-3682940	Exhaust Manifold Gasket	17, 19
M-3683349	Exhaust Valve Seat	13
M-3683814	Water Pump O-Ring	18, 19
M-3684336	Thermostat Housing Gasket	18, 19
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M-3685996	Intake Valve	14
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M-3687007	Front Cover Gasket	19
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M-3688347	Intake Manifold Gasket	19
M-3800298	Main Bearing Set	11
M-3800453	Cylinder Liner Kit	10
M-3800751	Shim Kit	15
M-3813247	Expansion Plug	14
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M-4024808	Fuel Solenoid Kit	16
M-4025062	Injector O-Ring Kit	12, 16
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M-4026684	Oil Pan Gasket	17, 19
M-4026884	Turbo Mounting Gasket	18
M-4059172	Water Pump O-Ring	18, 19
M-4059429	Connecting Rod	10
M-4059448	Connecting Rod Bushing	11
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M-4089139	Connecting Rod Bearing	11
M-4089153	Cylinder Liner Kit	10
M-4089405	Connecting Rod Bearing	11
M-4089431RK	Gear Pump Repair Kit	16
M-4089845	Main Bearing Set	11
M-4089846	Main Bearing Set	11
M-4089908	Water Pump Assembly	15
M-4089909	Water Pump Assembly	15
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# **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 AT [WWW.INTERSTATE-MCBEE.COM](http://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-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 Interstate-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.









# U.S.A. Presidential Award



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# INTERSTATE-McBEE

[www.interstate-mcbee.com](http://www.interstate-mcbee.com)



## WORLD HEADQUARTERS

5300 Lakeside Avenue  
Cleveland, OH 44114  
Tel: 216-881-0015  
FAX: 216-881-0805

E-mail: [sales@interstate-mcbee.com](mailto:sales@interstate-mcbee.com)

### CALIFORNIA

13137 Arctic Circle  
Santa Fe Springs, CA 90670  
Tel: 562-356-5414  
FAX: 562-926-2452

### FLORIDA

9955 NW 58th Street  
Doral, FL 33178  
Tel: 305-863-6650  
FAX: 305-863-6272

### TEXAS

1755 Transcentral Ct., Suite 200  
Houston, TX 77032  
Tel: 281-645-7168  
FAX: 281-443-0202

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