



INTERSTATE-McBEE

www.interstate-mcbee.com



**Serving the Diesel and
Natural Gas Industry for
over 70 years**

"Quality without Compromise"



Interstate Diesel Engine Management System

Reduce Cost and Improve Performance

Interstate Diesel's NEW Engine Management System (EMS) makes it easy to convert engines with mechanical fuel injectors to high-performance electronic unit injectors. Whether your engine is emissions certified or not, our USA-made EUIs help reduce fuel consumption and provide better engine response, with improved engine monitoring and in-cab display.

The NEW 645 Rite-Size™ EUI

In addition to our 710 conversion kit, Interstate Diesel has designed an exclusive 645 "Rite-Size" EUI – the first and only injector built specifically for the EMD 645. Engineered, designed and manufactured by Interstate Diesel, the 645 is sized right from the start.

Why convert to electronic fuel injectors?

- INCREASE PERFORMANCE
- REDUCE FUEL COST
- IMPROVE ENGINE MONITORING WITH IN-CAB DISPLAY
- HELPS TO MEET EMISSIONS REQUIREMENTS
- EUIs ENGINEERED FOR BOTH EMD 710 AND 645 ENGINES



World Headquarters

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Fuel Savings of 3½ Percent with EMS Kit

MUI – Switcher Duty Cycle Weighted Results

Notch	Factor (%)	Power (hp)	Fuel Rate (lb/hr)	CO2 (g/hr)	HC (g/hr)	CO (g/hr)	NOx (g/hr)	PM (g/hr)
Idle	59.8	11.7	22.2	30148	417.4	246.2	632.4	–
DynBraking	0.0	0.0	0.0	0	0.0	0.0	0.0	–
Notch 1	12.4	11.8	9.0	12447	164.1	55.6	296.8	–
Notch 2	12.3	50.1	22.1	30468	440.9	78.8	546.2	–
Notch 3	5.8	43.2	17.8	24367	383.3	49.8	414.7	–
Notch 4	3.6	42.5	16.1	23050	61.4	31.8	368.7	–
Notch 5	3.6	54.5	20.8	29835	32.2	57.7	462.2	–
Notch 6	1.5	28.9	11.2	16054	13.2	56.6	239.0	–
Notch 7	0.2	5.2	2.0	2823	2.3	13.0	43.2	–
Notch 8	0.8	24.6	9.1	13079	11.1	48.0	207.7	–
Sum	100.0	272.6	130.4	182272	1525.8	637.6	3210.9	–
Brake Specific			0.479	669	5.598	2.34	11.78	–

EMS – Switcher Duty Cycle Weighted Results

Notch	Factor (%)	Power (hp)	Fuel Rate (lb/hr)	CO2 (g/hr)	HC (g/hr)	CO (g/hr)	NOx (g/hr)	PM (g/hr)
Idle	59.8	12.9	22.2	31047	84.7	323.7	508.0	–
DynBraking	0.0	0.0	0.0	0	0.0	0.0	0.0	–
Notch 1	12.4	9.4	6.9	9850	13.7	57.3	189.2	–
Notch 2	12.3	42.1	18.1	26031	16.4	43.1	394.5	–
Notch 3	5.8	46.4	18.4	26494	13.1	21.0	401.9	–
Notch 4	3.6	41.0	15.4	22096	10.2	17.2	324.6	–
Notch 5	3.6	57.8	21.5	30977	13.5	70.2	443.0	–
Notch 6	1.5	29.0	11.0	15710	7.0	45.6	231.3	–
Notch 7	0.2	5.7	2.1	2997	1.5	18.9	54.4	–
Notch 8	0.8	27.4	10.1	14394	9.2	100.1	297.7	–
Sum	100.0	271.7	125.6	179596	169.4	697.2	2844.5	–
Brake Specific			0.462	661	0.623	2.57	10.47	–

Interstate-McBee has been remanufacturing electronic diesel injectors for decades. Our standards for quality, service and performance are unmatched. We provide replacement injectors and parts for a variety of OEMs, such as Caterpillar®, Cummins®, Navistar® and Detroit Diesel®.

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