



# What's New for 2011

## The latest engine brake technology and updates



**Jacobs Model 460** – For Cummins ISX 11.9L Engine. Two housings per engine. After Market kit available, P/N: 2881981. Adjustment 0.1496" (3.8mm), tool P/N 4919693. Tune-Up Kit (TBD). This model uses the new Type II solenoid (push in), P/N 1037674 (3686406) Applicable on Cummins' CPL No's 3438, 3439, 3440.

**Jacobs Model 411E** – For Cummins ISM, New CPL Numbers 1545, 1531, 1500, 2728, 2729, 2730, 2725, 3330. The engine brake adjustment is 0.027"; Engine brake kit P/N 4955458.

**Jacobs Model 411D** – For Cummins ISM, New CPL numbers; 1556, 2727, 2731, 2800, 3280, 3281. Engine Brake Adjustment is 0.015". Engine Brake Kit P/N 4089395.

**Jacobs Model 490A** – For Cummins ISL/ISC – New solenoid harnesses: Front (long) harness, P/N 5257809; Rear (Short) harness, P/N 5257806.

**Jacobs Model Intebrake A** – For 2010 Cummins ISX 15L. This engine brake model is standard with the engine and no aftermarket engine brake kit is available. 2010 emission engines use the Type II solenoid, P/N 1037674 (3686406). Prior year engine brakes use the Type I, 12VDC, S/L, solenoid P/N 1024614 (4024759). New Control Valve Spring P/N 40170 (2892986); New Actuator Piston P/N 40034 (2882738). The new control valve spring and actuator can be used in all older Intebrake Models. New Tune-Up Kit P/N 020281 (2882081). Engine Brake Lash Setting remains at 7 mm. Remember to always check "Running Clearance" between 0.025" and 0.110" after making engine brake adjustment.

more 



What's New for 2011 - The latest engine brake technology and updates



Jacobs Model 720 – For 2010 DD-16/15/13 series of engines. This is an integrated engine brake. The engine brake components are built into the exhaust rocker arms. Engine Brake adjustment is 4.1mm (0.1614 in). The Engine Brake feeler gauge is P/N W470589022300. This engine brake uses a new type II “push in” style Solenoid valve. 12VDC, D/L, P/N 1039011, Daimler P/N A4721530259. There is no aftermarket kit, nor Tune-Up Kit for this engine brake model.



Jacobs Model 5783 – For 2010 Emission MaxxForce 11L & 13L engines. Uses Type II solenoid group P/N 039895 (3008453C1), 12VDC, D/L. Tool kit P/N 40050 (includes lash adjusting tool; adjustment is 0.8mm (0.0314”) and oil pressure test kit).

Jacobs Model 5326 – For 2011 MaxxForce 466 and MaxxForce 9, 10 Engines. Section 07 of data book.



Jacobs Model 129 – For PACCAR MX Engines. Integrated into the engine overhead. No After Market kit available. Uses Type I, 12 VDC,D/L,V blade solenoid P/N 1020997 (1739797)

Aftermarket

Exhaust Brakes:

Air Cylinder Replacement Group for all air actuated exhaust brakes is P/N 028343, Cummins #4024995, Caterpillar #177-9601, International #J28343, PACCAR 28343JCB. Dodge Ram - Vacuum pump is a Cummins part. Cummins P/N 3965925

Solenoids:

Current 12 VDC Solenoid Valves: Type I (Thread-In)	P/N
12VDC, D/L, V-Blade used with Model 129	1020997
12VDC, D/L H-Blade, used with 310A, 312A, 340 Series, 411C	1024610
12VDC, S/L, Screw type, used with 71/92A, 760/A/B, 750/A/B, 765/A, 770, 790All, 795, 797/A	1024612
12VDC, S/L, H-Blade, used with 53A, 71/92, 317/A/B/C/E, 404/B/BG/D, 411/E, 425A, 430, 440/A, 450A/B, 455B/C	1024613
12VDC, S/L, V-Blade, used with C336/A, 349A, 490/A, 610, 680A/B, 690/A/B, Intebrake	1024614
12VDC, D/L, Screw Type, used with 797B	1034737
Current 12 VDC Solenoid Valves: Type II (Push-In)	P/N
12VDC, D/L, threaded used with 460, Intebrake A (Cummins P/N 3986406)	1037674
12 VDC, D/L Threaded used with 5783 (International P/N 3008453C1)	039895
12 VDC, D/L, Threaded used with 720 (Daimler P/N A4721530259)	1039011
Type II Solenoid Seal Rings, (.614”)	29421
Type II Solenoid Seal Rings, (.426”)	31139
Type II Solenoid Screen	1039023

All your parts, parts cross-reference, and service questions can be answered on the Jacobs website. Go to [www.jakebrake.com](http://www.jakebrake.com) for more information.