



What's New for 2019

The latest Engine Brake technology and updates



971 - The Hino 2020 XL Series Truck is now available. A fully-integrated Jacobs Engine Brake® comes factory installed on all XL7 and XL8 models.



Brake Upfit Instructions – Cummins authorized distributors can use the link below to access IMS parts listing work instructions.

https://qsol.cummins.com/common/files/qsol/en/service/engine_brake_upfit_instructions.pdf

Aftermarket Kit – To retrofit ISL engines with a Jacobs' Engine Brake®, Jacobs offers aftermarket kits. In addition to the kits listed below, contact your local Cummins' dealer for additional Cummins' parts required for installation.

OPTIONS FOR ISC / ISL ENGINES

	OPTION TO BE REMOVED	OPTION TO BE INSTALLED
ISC / ISL CM2150 (2007 EPA)	BR9296	BR9297
	ER9058	ER9059
	RL9777	RL9778
	VC9361	VC9364
ISC / ISL CM2250 (2010 EPA)		EB9038
	BR9300	BR9301
	ER9142	ER9143
	RL9777	RL9778
ISC / ISL CM2350 (2013 EPA)	VC9469	VC9470
		EB9038
	BR9300	BR9301
	ER9142	ER9143
L9 CM2350 (2017 EPA)	RL9815	RL9816
	VC9469	VC9470
	VC9471	VC9472
		EB9038

PACCAR

MX11 - There is no tune-up kit available for the MX11 as it includes non-serviceable rocker arms. See sell sheet for part numbers for available serviceable parts.

NAVISTAR™

Model 5783A – As of January 2019, the engine brake on the International A26 engine is now standard equipment. There is also a delete option for customers who prefer to not use an engine brake.

Model 5313 & 5326 – Shut-off valve torque has increased for all International Maxxforce DT466E, DT570/N9, and HT570/N10 engines equipped with the Jacobs' model 5313 & 5326 bleeder brakes. Part numbers affected include Jacobs' P/N 035301, 031679, and 033527 (International P/N 1833949C1, 1844402C1, 1846608C1).

In rare cases, it has been reported that the shut-off has been found loose. This may cause a hard start/no start condition. To correct it, remove the shut-off valve from the brake rail and inspect the condition of the seals. If the seals are damaged, replace the valve. If the seals are found to be in good condition, reinstall the shut-off valve into the brake rail and torque the valve body to the new torque of 35 lb.-ft. and the solenoid retaining nut to 4 lb.-ft. Over torquing may cause damage, resulting in loss of shut-off valve function.

For more information, visit Jacobs Parts, Service, and Support page to find Service Letter 2018-0001.



DETROIT

71/92/53A Series - Contact your local MTU dealer for genuine Jake Brake® parts for aftermarket or tune-up kits.



What's New for 2019 - The latest Engine Brake technology and updates



346D - The Model 346D kit and housings were obsoleted in 2018. There may be a limited quantity of housing assemblies available through Caterpillar dealers. Tune-up kit and components are still available.

336, 336A, 349A, 317D, & 317E - Housings and kits are no longer available. Tune-up kit and components are still available.

312A - The aftermarket kit P/N 148-7477 (021210) has been discontinued. The housing, attaching parts, and spacer remain available.

340A, 340C, 340D, 340E, 310A, and 312A - Each of these active models continue to have housings available.

FIND JACOBS AT THESE UPCOMING EVENTS

SHOW	LOCATION	DATES
ExpoCam	Montréal, Canada	April 11-13
Truckers' Jamboree	Walcott, Iowa	July 11-13
ATA MCE	San Diego, CA	October 5-9
NACV	Atlanta, GA	October 28-31



680A & 680B - Housing assemblies have been obsoleted as of the end of 2018. Service parts for these housing assemblies will continue to be available while supplies last.

690B - This model continues to be available for purchase.

All your part & service questions can be answered at www.jakebrake.com/parts-service-support. Updates to the site will be coming in 2019. Please be patient while our site is under construction.

Find us on

SOLENOID REFERENCE GUIDE

CURRENT 12VDC SOLENOID VALVES, TYPE I

JACOBS P/N	DESCRIPTION	CAT	CUMMINS	MODELS USED
1020997	12VDC, D/L, V-BLADE	N/A	4026538	129, Intebrake
1024610	12VDC, D/L, H-BLADE	163-1533	3871711	310A, 312A, 340A/B/C/D/E, 411C
1024612	12VDC, S/L, SCREW	N/A	N/A	71/92A, 760A/B, 750A/B, 765A, 770, 790 (All), 765, 797A
1024613	12VDC, S/L H-BLADE	163-1550	3871707	53A, 71/92, 317A/B/C/D/E, 404B/BG/D, 411D/E, 425A, 430, 440A, 450A/B, 455B/C
1024614	12VDC, S/L V-BLADE	163-1547	4024759	C336A, 349A, 490A, 610, 680A/B, 690B, Intebrake
1034737	12VDC, D/L, SCREW	N/A	N/A	797B
044772	12VDC, D/L, SCREW	N/A	N/A	971
1025106	12VDC, S/L, SCREW	163-1538	N/A	C346/A/B/C/D

CURRENT 12VDC SOLENOID VALVES, TYPE II

JACOBS P/N	DESCRIPTION	CUMMINS	DAIMLER	NAVISTAR	PACCAR	MODELS USED
1039012	12VDC, D/L	3686406	N/A	N/A	N/A	460 / Intebrake A
039895	12VDC, D/L	N/A	N/A	3008453C1	N/A	5783 / 5783A
1034302	12VDC, D/L	N/A	A4721530759	N/A	N/A	721
041152	12VDC, D/L	N/A	N/A	N/A	1889796	MX-11

ELECTRICAL SPECIFICATIONS

COIL	ACCEPTABLE RESISTANCE (Ω @ 77°F)	MIN. OPERATING VOLTAGE	MAX. OPERATING VOLTAGE
12 Volt Coil	8.7-10.0	9.0	14.0
24 Volt Coil	32.6-39.8	18.0	32.0