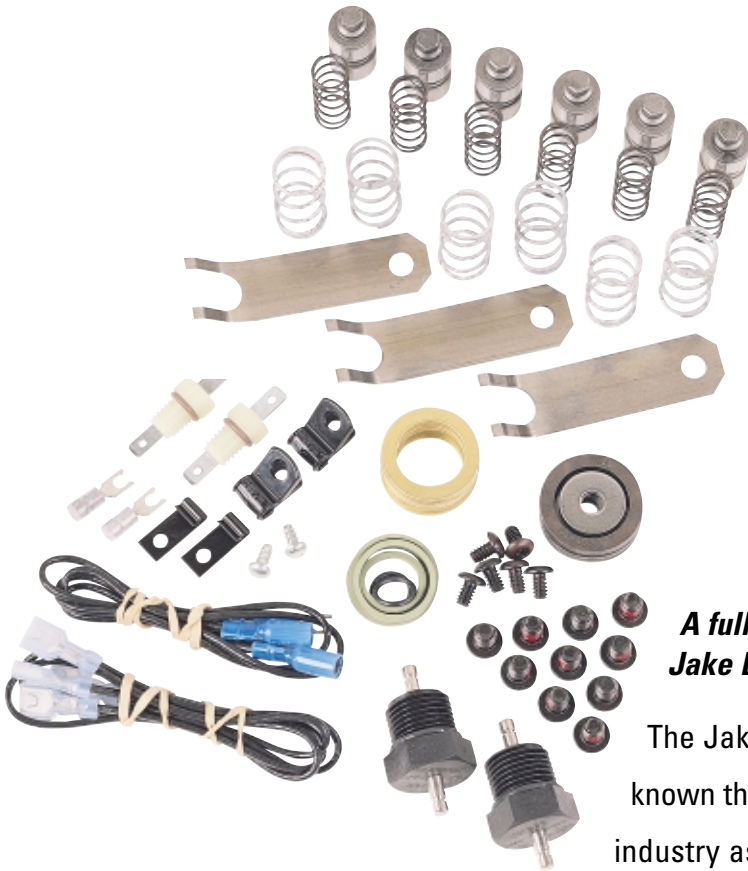


**ENGINE BRAKE TUNE-UP KITS BY JACOBS VEHICLE SYSTEMS™**



**A full line of Tune-up Kits for Jake Brake® Retarders.**

The Jake Brake® retarder is known throughout the trucking industry as one of the most

trouble-free products found on a modern diesel-powered heavy-duty vehicle. But no matter how reliable the Jake Brake retarder is, like any mechanical device it operates best when periodically and properly maintained. We recommend that a Tune-up Kit be part of your engine preventive maintenance program for maximum retarding performance levels and continued trouble-free operation.

**Features:**

- *Genuine Jacobs replacement parts*
- *Everything needed for a complete tune-up in one convenient package*
- *Complete step-by-step instructions*
- *All parts are the most up-to-date Jacobs design*
- *All parts backed by full Cat replacement parts warranty*
- *Save money by including with valve adjustment*

Tune-up

<b>JAKE BRAKE MODELS FOR CATERPILLAR® ENGINES</b>	
<b>Jake Brake Model</b>	<b>Tune-up Kit Part Number</b>
310A/312A, 317D, 317E	143-6626
317 Series (except 317D, E)	143-6576
340 Series	143-6628
346 Series	143-6479
349A	143-6622
336 Series	143-6623

Note: See engine brake application guide for current model information. Jake Brake® and Jacobs Vehicle Systems™ are trademarks of Jacobs Vehicle Systems.

### **Compression Brake—Inspect/Adjust/Replace**

The maintenance of the compression brake should be performed in conjunction with scheduled engine maintenance. The correct tune-up kit is required when parts are replaced on the compression brake. Refer to the Parts Manual for additional information.

**Note:** *The slave piston lash adjustment must be performed after the engine valve lash adjustment is performed. Make the slave piston adjustment while the engine is stopped. Refer to tune-up kit instructions for additional information. Refer to the Disassembly and Assembly module for instructions on replacement of components.*

Component	Required Maintenance (300,000 miles)	Required Maintenance (600,000 miles)
Wiring, Terminal Connections	I	I
Clutch/Throttle/Buffer Screw	A/R	A/R
Slave Piston Lash Adjusting Screw	A/I	A/R
Solenoid Valves	I	R
Crosshead Bridges/Valve Stem Caps	I	I
Injector/Exhaust Rocker Arms Screws	I	I
Master Piston/Fork Assembly	I	I
Slave Pistons		I
External Hose Assembly	I	I
Housings	I	I
Fuel Pipes	I	I
Hold Down Bolts	I	R
Accumulator Springs*	R	
Solenoid Harness*	R	I
Solenoid Seal Rings*	R	I
Control Valve Springs*	R	I
Control Valves*	R	I
Oil Seal Rings*	R	I
Master Piston Return Springs*	R	I
Terminal Lead Out*	R	I
Crosshead Pin Assembly*	R	I
I = Inspect and replace as required	A = Adjust	R = Replace
* contained in tune-up kits		