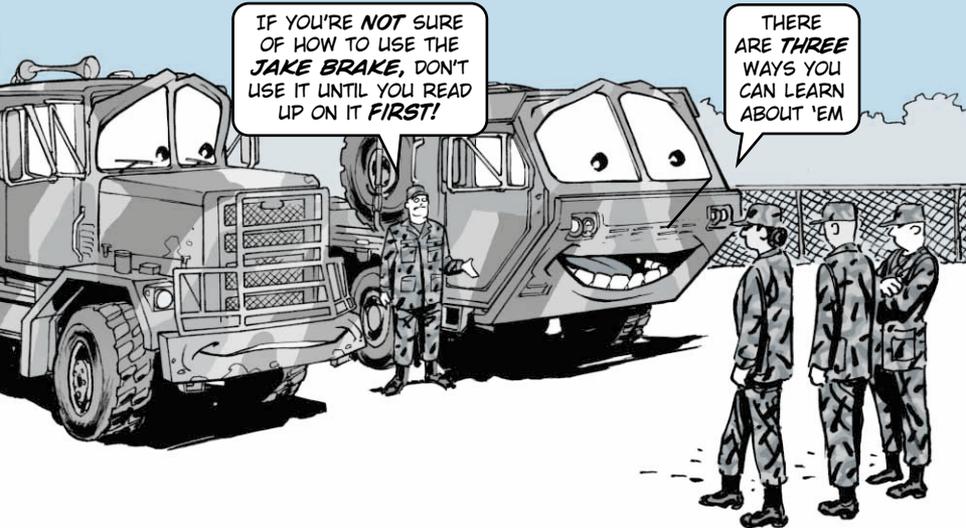


JACOBS BRAKE



Not everyone who shows up in your unit as a driver is familiar with trucks that use a Jacobs engine brake, commonly referred to as a Jake brake. Some may not even know what an engine brake is.

An engine brake is a hydraulically-operated device on a diesel engine that converts the engine into a power-absorbing air compressor for the purpose of slowing the vehicle. It may be used for descending grades, in-city traffic, approaching stop lights and anywhere else engine braking is required.

But it should **never** be used as a service brake.

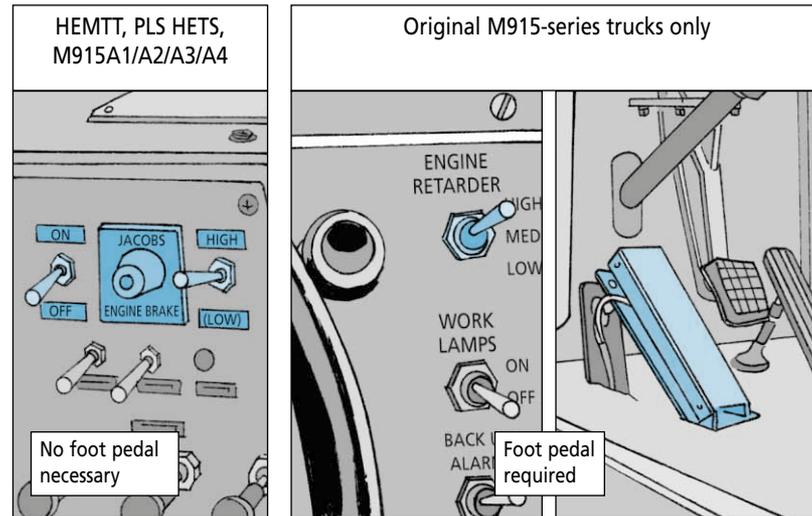
Nor is it for use when bobtailing, pulling an empty trailer or when driving on slippery pavement. Using the engine brake under those conditions can cause jackknifing because the braking force is applied to drive wheels only. Non-drive wheels have no braking.

To help train drivers how to use engine brakes, lessons are included in the following training circulars for trucks that use them:

TC 21-305-1—HEMTT
TC 21-305-6—M915-series tractors
TC 21-305-9—HETS
TC 21-305-10—PLS

The circulars are available through your unit pubs clerk or on the Internet in the Army Doctrine and Training Digital Library (ADTDL) at <http://155.217.58.58>.

INSTRUCTION



The following television tapes (TVT) and compact discs (CDs) also contain lessons on the use of the engine brake:

TVT 55-26—HEMTT
TVT 55-18—M915-series tractors
TVT 55-36—PLS (use for HETS also)
CD 55-16—HEMTT
CD 55-20—M915-series tractors
CD 55-23—PLS
CD 55-17—HETS

The TVTs and CDs are available on the Internet through DAVIS/DITIS at <http://dodimagery.afis.osd.mil/>. Once there, click on Search DAVIS/DITIS and follow the ordering info.



Mail:
 Joint Visual Information
 Services Distribution Activity
 Warehouse 3/Bay 3
 11 Hap Arnold Blvd
 Tobyhanna, PA
 18466-6102

Fax:
 DSN 795-6106,
 (717) 895-6106

E-mail:
vibuddy@hq.afis.osd.mil