

HYEX...

# COLD WEATHER JITTERS

JUST CAN'T GET IT GOING THIS MORNING!!!

UUGHHH  
UNHHHH

A HARD-TO-START ENGINE AND COLD WEATHER SEEM TO GO HAND-IN-HAND.

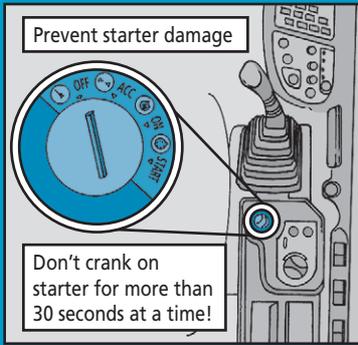
KEEP THESE PM POINTERS IN MIND TO GET RID OF YOUR HYDRAULIC EXCAVATOR'S COLD WEATHER JITTERS.

## Stuck Starter Reminder

Too many starters end up at support for service or repair. All it takes is one finger stuck too long on the start switch to burn out a good starter.

Follow the word on Page 5-2 of TM 5-3805-280-10. That is, when you try to start your vehicle's engine in cold weather, never keep the starter engaged for more than 30 seconds. Then stop! Give the starter at least two minutes to cool off before trying again.

After an unsuccessful start, do not turn the starter switch back to START until the engine stops. That saves the starter and flywheel teeth. If your excavator's engine won't start in three tries, call it quits. Get your mechanic to find out what's wrong.



### Ether Canister Empty?

Operators, one reason your excavator may be hard to start in cold weather is an empty ether canister.

The starter system has a fuel canister that automatically injects ether into the engine when you push the starting aid switch.

So when your excavator is hard to start, chances are the ether canister is empty. Have your mechanic replace it.

BY THE WAY, MAKE SURE THE DUST CAP IS IN PLACE ON THE STARTER VALVE WHEN A CYLINDER IS NOT INSTALLED.

Check ether canister

### Water In – Water Out

COOL NIGHTS CAUSE CONDENSATION TO FORM IN THE EXCAVATOR'S FUEL TANK. THAT MEANS YOU OPERATORS HAVE TO DRAIN THE FUEL/WATER SEPARATOR BEFORE THE DAY'S RUN.

Not draining the separator leaves water and crud in the fuel system. Then the engine runs rough... or not at all.

Open the separator, located behind the engine access door (curbside), by turning its drain cock counterclockwise. Push down on the press pump to get water out of the separator.

Store drained fuel in an approved hazardous waste container. Never dump it down a drain or on the ground from the separator's drain hose.

If the fuel is clear, you're OK. If the fuel doesn't run clear, close the valve and report it to your mechanic.

Drain fuel/water separator to get water and crud out of fuel system