

# SMOOTHER GUN ELEVATION SHIFTING

UH-OH, SOUNDS  
LIKE YOU NEED A  
WHOLE NEW GED.

OOH! THAT'S COLD!  
WAIT A MINUTE, IT'S  
JUST THE SHIFTER FORK  
HAS RUSTED IN PLACE.

Dear Connie,

I've run into several cases of the Bradley's gun elevation drive (GED) having difficulty switching between the POWER and MANUAL modes.

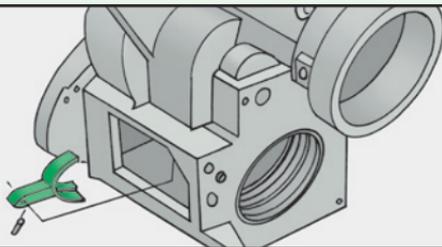
When you do a diagnostic test, it usually faults out the GED assembly or motor. But when I've investigated, I've found the real problem is that either the shifter fork (Item 101 in Fig 62 of TM 9-2350-294-24P-2) has broken or the fork's gear has rusted in place.

Of course, it's much cheaper to replace the fork than the whole GED. And you can help prevent the fork from breaking or rusting in place by cleaning and lubing the shaft the gear slides on at least every six months.

SGT

F Co, FSC, 302nd BSB  
Camp Casey,  
South Korea

Cleaning and lubing shifter fork gear shaft helps prevent fork from breaking or rusting in place



GREAT IDEA,  
SERGEANT.

MUCH OF THIS WOULD HAVE  
TO BE DONE AT DIRECT  
SUPPORT. HERE ARE THE  
PROCEDURES THEY NEED TO  
FOLLOW FOR THE A3. FOR  
THE A4, SEE ITS TMS FOR  
THESE PROCEDURES.

- Remove the GED assembly (WP 0219 00-1 in TM 9-2350-294-20-2).
- Remove manual drive housing (WP 0034 00-1 in TM 9-2350-294-34-2).
- Remove manual support (WP 0031 00-1 in -34-2).
- Remove sensitive switch (WP 0031 00-1 in -34-2).
- Clean the shaft with solvent and lube it with molybdenum oil, NSN 9150-01-217-3103.
- Install the sensitive switch (WP 0031 00-6 in -34-2). If old switch is re-used, begin on 00-7.
- Install manual support (WP 0031 00-10 in -34-2).
- Install manual drive housing (WP 0034 00-31 in -34-2).
- Install GED assembly (WP 0219 00-7 in -20-2-2).