

From: AMC TACOM APC  
Sent: 14:21:35 12/30/2003  
To: AL 8823(uc); HQ 200 MMC(uc); USAREUR G4(uc); 45 CSG F(uc); MTMC 599 TRANS GP MSGCEN(uc); MTMC 835 TRANS BN MSGCEN(uc); MTMC 836 TRANS BN MSGCEN(uc); USAG HI DOL(uc); LCC BUCHANAN(uc); AMC TACOM APC(uc); 19 TSC(uc); USARPAC CG(uc); USCINCPAC MPC HONOLULU HI; CINC UNC SEOUL KOR; MTMC 837 TRANS BN MSGCEN(uc)  
To Precedence: Routine  
Cc: AFPET(uc); NAVPETOFF SUBAREA KEFLAVIK IC(uc)  
Cc Precedence: Routine  
Subject: TECHNICAL ADVISORY MESSAGE #04-001 - M978 HEMTT, PETROLEUM TANK VEHICLE, FILTER SEPARATOR PRESSURE DIFFERENTIAL (PD) GAUGE  
Message Type: Other-Organizational  
Extended Auth: 19:32:43 12/30/2003 (UTC)  
14:32:43 12/30/2003 (Client/Local)  
Security: This message has been digitally signed and encrypted

UNCLASSIFIED//

## 1. REFERENCES:

- A. PS MAGAZINE ISSUE 572, JULY 2000 ARTICLE ON M-978 PRESSURE DIFFERENTIAL (PD) GAUGE.
  - B. ORANGE RESEARCH, INC. PRESSURE DIFFERENTIAL INSTALLATION INSTRUCTION FOR MODELS 1201 & 1202
2. THIS MESSAGE SHOULD BE DISSEMINATED TO ARMY PETROLEUM ACTIVITIES RESPONSIBLE FOR OPERATING THE M-978 HEMTT, PETROLEUM TANK VEHICLE.
  3. REFERENCE A INFORMED ALL ACTIVITIES TO REPLACE THEIR OLD M-978 PRESSURE DIFFERENTIAL GAUGE WITH THE NEWER GAUGE. UNITS CAN TELL THE DIFFERENCE BETWEEN THE TWO BY THE INCREMENTAL READING ON THE GAUGE. THE OLD GAUGE'S FIRST READING STARTS AT 5.0 PSI. THE NEW GAUGE'S FIRST READING STARTS AT 0.5 PSI. NSN FOR THE NEW GAUGE IS 6685-01-362-4272. UNITS SHOULD INSPECT THEIR M-978 PRESSURE DIFFERENTIAL GAUGES AND REPLACE THE OLD GAUGE WITH THE NEW ONE.
  4. REFERENCE B INSTRUCTS USERS OF THE PRESSURE DIFFERENTIAL GAUGE TO INSTALL NON-MAGNETIC SPACER BETWEEN THE GAUGE AND MOUNTING BRACKET DUE TO THE MAGNETIC MOVEMENT OF THE GAUGE. NOTE THAT M-978S MANUFACTURED SINCE 2002 SHOULD HAVE THE SPACER ALREADY INSTALLED. FAILURE TO INSTALL THE NON-MAGNETIC SPACERS ON THE VEHICLE WILL CAUSE THE GAUGE TO NOT OPERATE, OR OPERATE IMPROPERLY. UNITS SHOULD INSPECT ALL M-978 VEHICLES TO DETERMINE IF THE SPACERS ARE INSTALLED BETWEEN THE GAUGE AND MOUNTING BRACKET. NON-MAGNETIC SPACERS CAN BE ORDERED UNDER NSN 5310-01-501-5197.
  5. UNITS SHOULD CONTINUE TO OPERATE THEIR VEHICLES TO PERFORM REFUELING OPERATIONS PENDING REPLACEMENT OF THE GAUGE AND INSTALLATION OF THE SPACER IF THEY ARE NEEDED.
  6. POINT OF CONTACT AT THE US ARMY PETROLEUM CENTER FOR FURTHER INFORMATION IS MR. MARTELL OR MR. LUPORI, DSN 771-4392/6445; COMM (717) 770-4392/6445, EMAIL: TMARTELL@USAPC-EMH1.ARMY.MIL; JLUPORI@USAPC-EMH1.ARMY.MIL

PLEASE REPLY TO SENDER ASAP TO VERIFY RECEIPT.