PROJECT MANAGER
FIREFINDER
U.S. ARMY ELECTRONICS RESEARCH
AND DEVELOPMENT COMMAND
FORT MONMOUTH, NEW JERSEY 07703

HUGHES
GROUND SYSTEMS GROUP

MAINTENANCE BULLETIN

AN/TPQ-37	FILE NO. 146	REVISION:
	DATE: 26 JULY 92	CATEGORY: A
SUBJECT: INTERIM WATER RESOLUTION SOLUTION	SYSTEMS AFFECTED: AN/TPQ-37	

1. Reference :

TM 11-5840-355-34P

2. Problem: The Water Entry Resolution Materiel Change is not scheduled for application until 3rd quarter FY93.

3. Solution: Adhesive Tape 3/4", NSN 9320-01-203-4496 was applied to several areas of the ATG with positive protection from water entry. The areas of application are detailed in the attached figures for the transmitter frame, rec/exciter top cover, receiver protector dors and the tilt sensor compartment door. All areas of application must be cleaned and dry prior to application of the adhesive tape.

4. As an intrim solution to water entry it is recommended the adhesive tape be applied to the areas identifieded in the figures. It is also recommended that personnel do not walk on the transmitter cover area since bowing can take place with a result of water leakage.

APPROVED BY CHIEF LMD: JOHN V. VONELLA, PMFF DATE: 8/11/92

TRANSMITTER FRAME

Start in one corner placing Adhesive Tape to outside edge of Transmitter Frame, Cut corners at 45 degree angle, join angles and continue until adhesive tape has been applied at all sides.

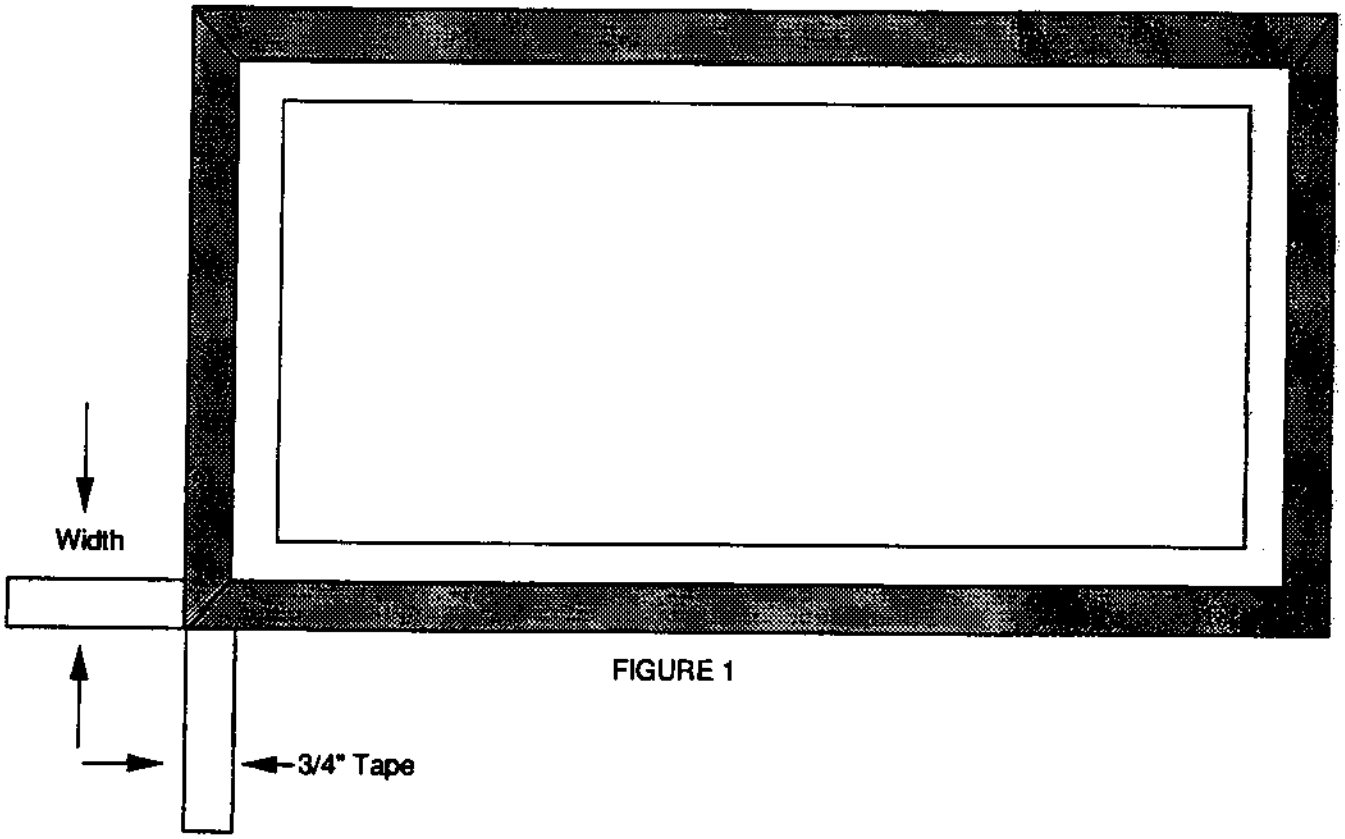

FIGURE 1

RECEIVER/EXCITER
TOP COVER

Start at one corner placing adhesive tape along inside edge of existing weather gasket. Cut corners at 45 degree angles. Join angles and continue until adhesive tape has been applied at all sides.

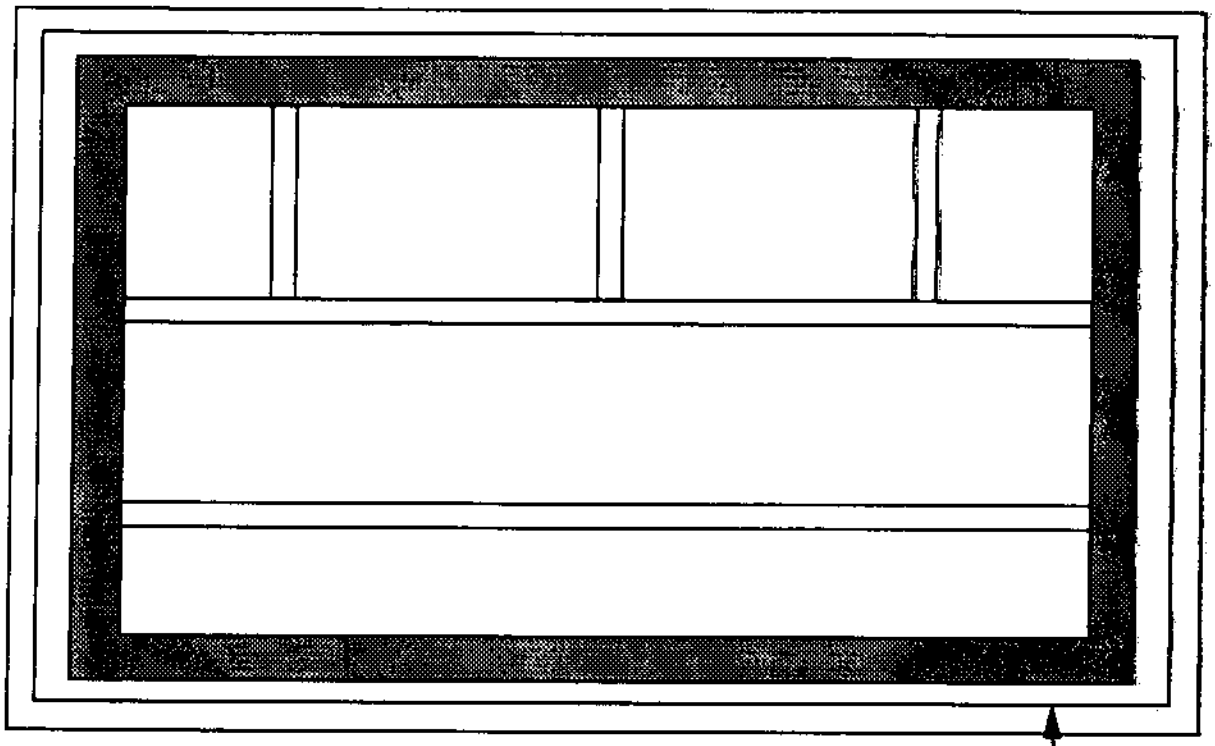

FIGURE 2

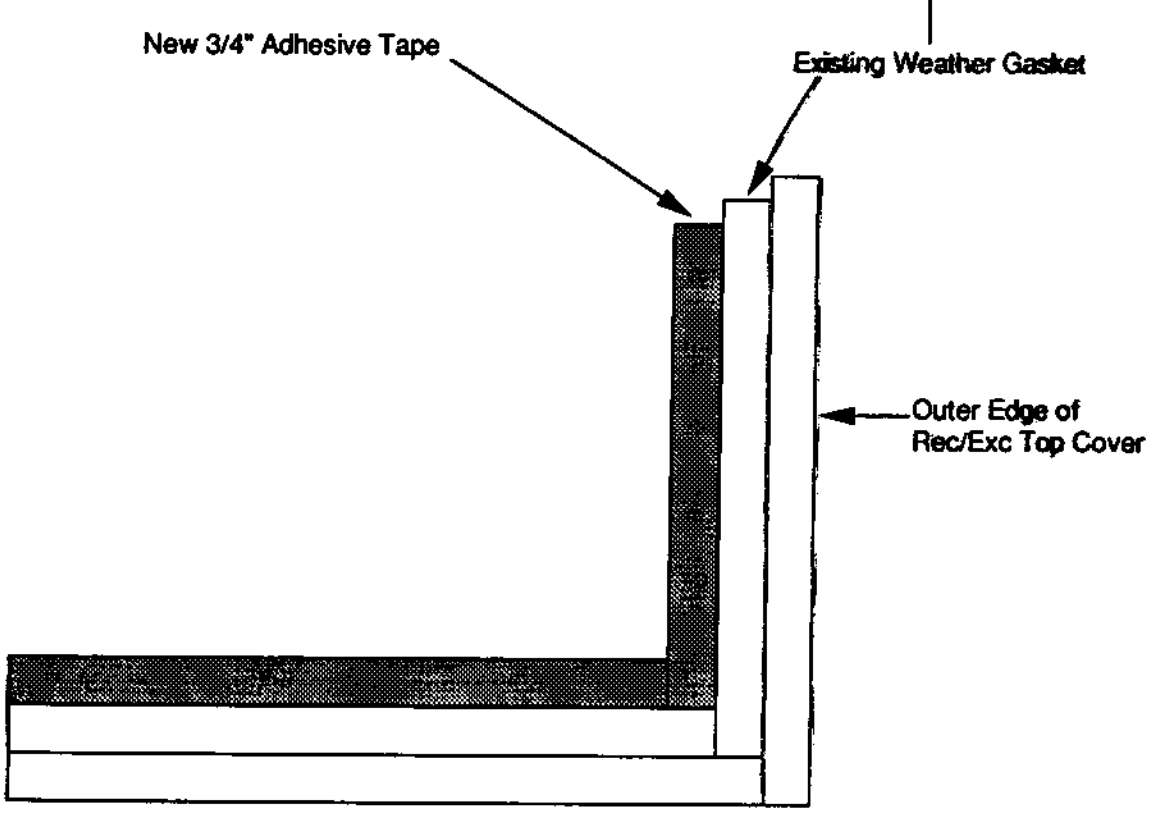

FIGURE 2A

ANTENNA ARRAY

RECEIVER PROTECT DOORS

Start at one corner placing adhesive tape along outer edge of R.F. Gasket. Cut corners at 45 degree angles. Join angles and continue until adhesive tape has been applied at all sides. When properly appplied, adhesive tape will slightly overlap existing weather gasket.

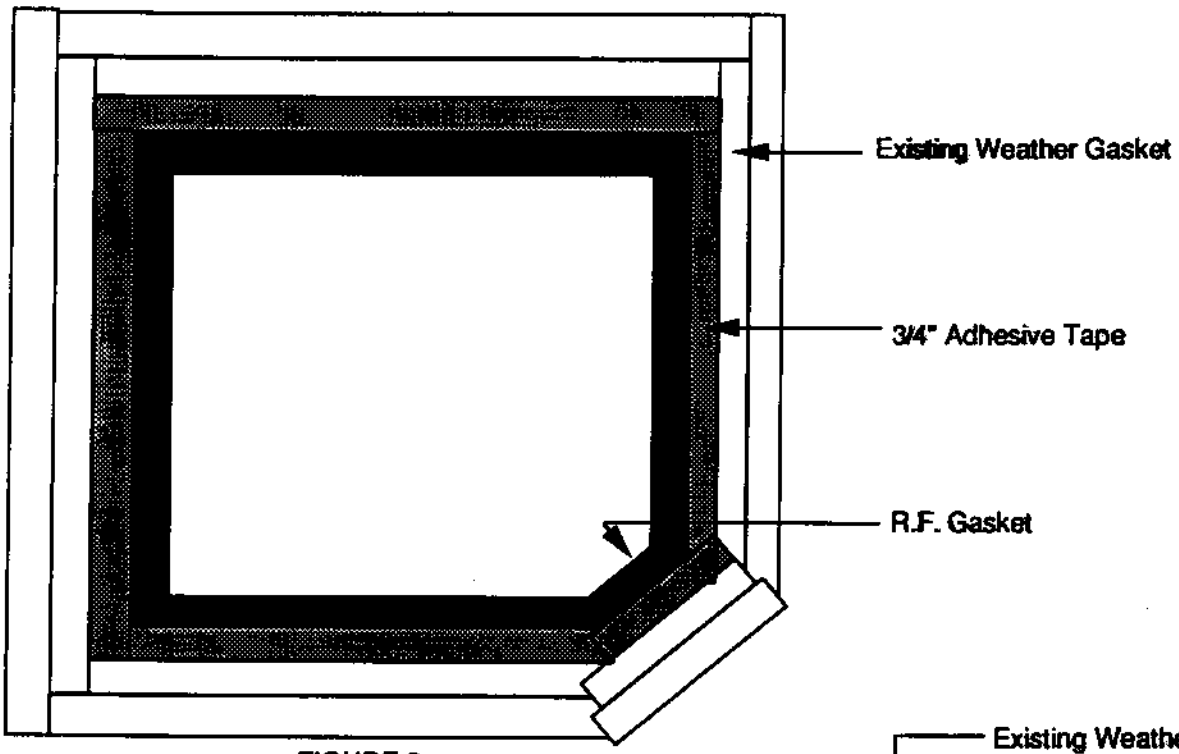

FIGURE 3

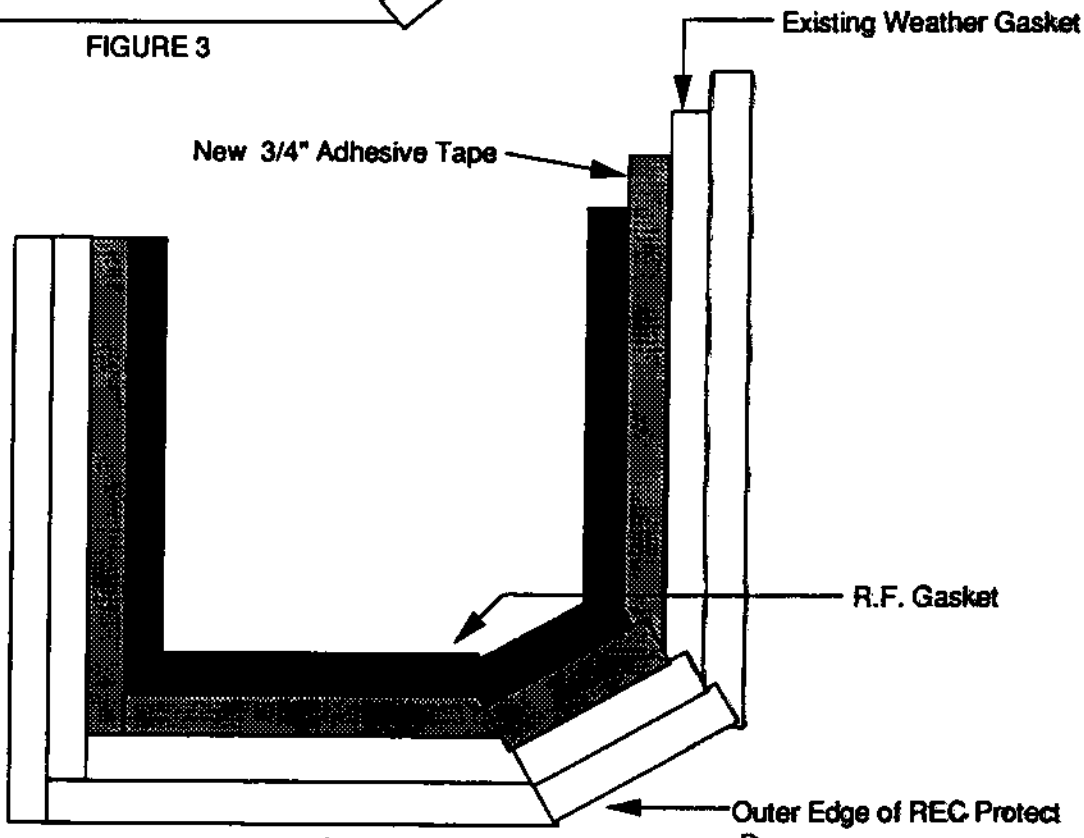

FIGURE 3A

TILT SENSOR
COMPARTMENT DOOR

Start at one corner placing adhesive tape along outer edge of R.F. Gasket. Cut corners at 45 degree angles. Join angles and continue until adhesive tape has been applied at all sides. When properly applied, adhesive tape will slightly overlap existing weather gasket.

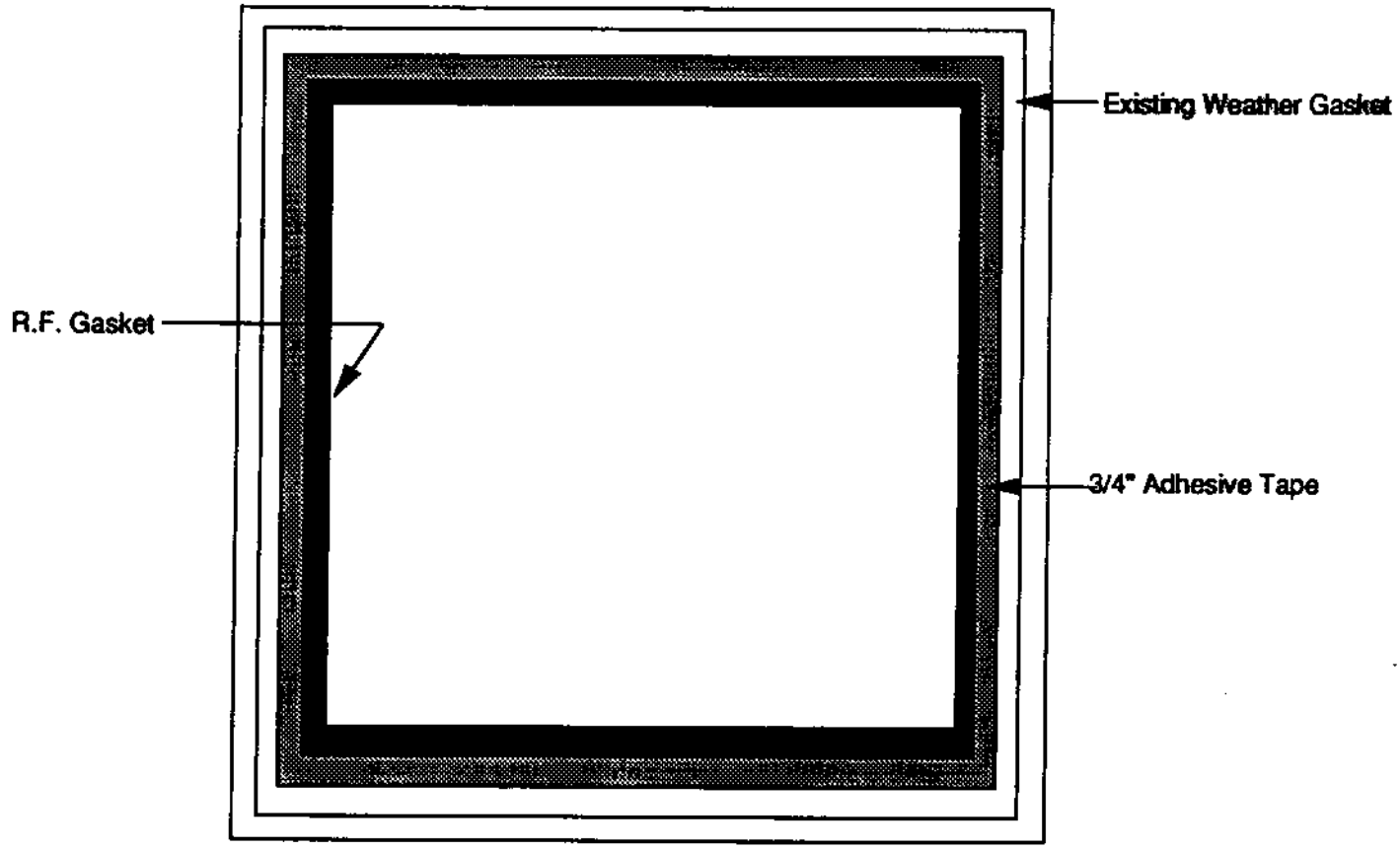

FIGURE 4

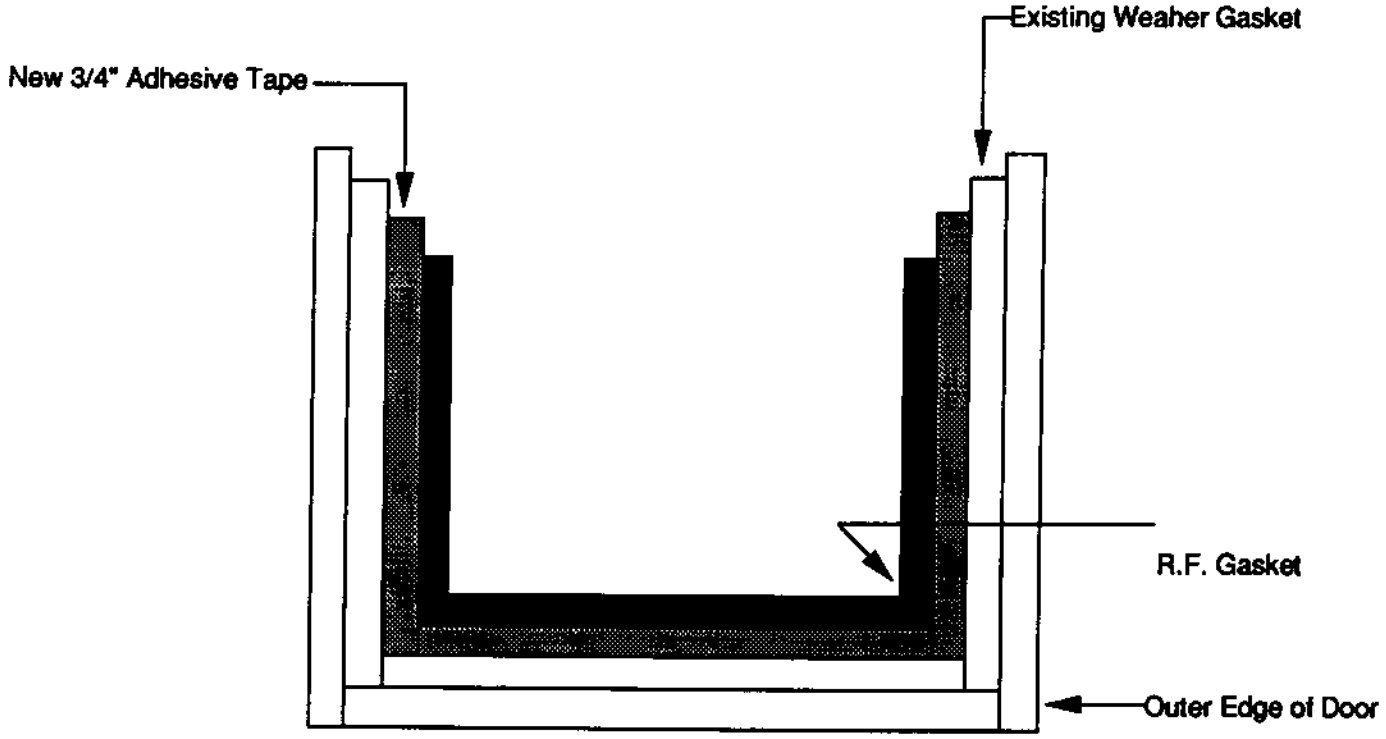

FIGURE 4A