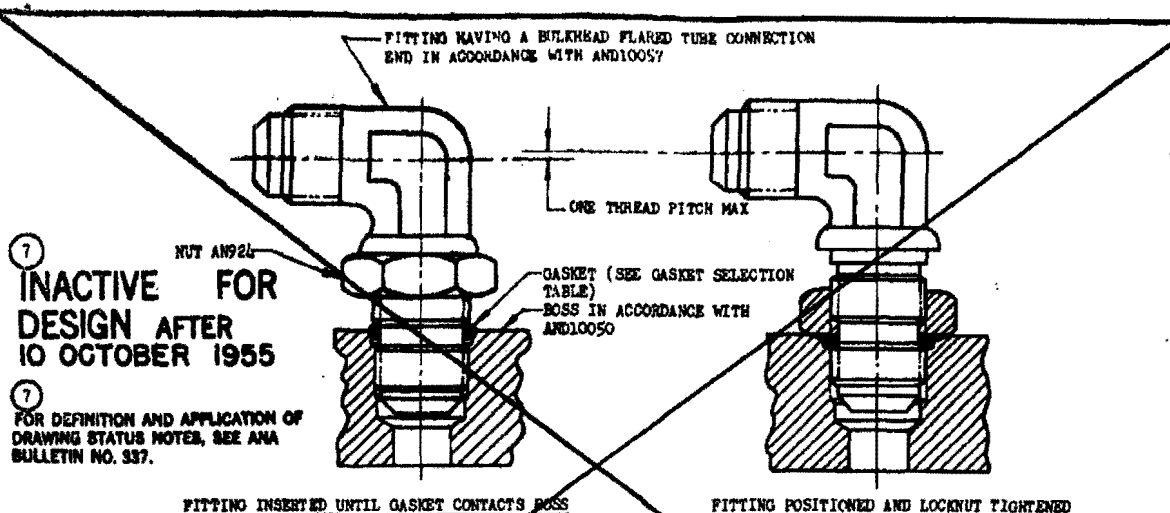


NOT A PART NUMBER

NOTE: This drawing was approved by the Air Force and Navy Departments on the Air Force Navy standardization program. This drawing represents the standard installation of the fitting shown in this drawing. It is not intended to be used as a guide for the design of other fittings. The drawing is not intended to be used as a guide for the design of other fittings. The drawing is not intended to be used as a guide for the design of other fittings.

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FITTING INSERTED UNTIL GASKET CONTACTS BOSS

FITTING POSITIONED AND LOCKNUT TIGHTENED

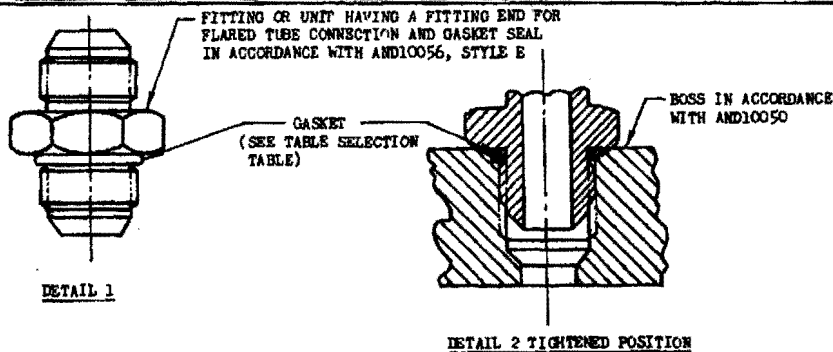
POSITIONING TYPE UNIVERSAL FITTING INSTALLATION SUITABLE FOR NOMINAL OPERATING PRESSURES UP TO AND INCLUDING 1000 PSI

PROCEDURE FOR INSTALLATION OF UNIVERSAL FITTINGS:

1. ASSEMBLE NUT AN924 ON FITTING END AND RUN ALL THE WAY BACK TO CLEAR GASKET GROOVE.
2. LUBRICATE GASKET IN APPROPRIATE LIQUID. (SEE TABLE)
3. PLACE GASKET IN GASKET GROOVE.
4. RUN NUT DOWN UNTIL IT CONTACTS THE GASKET AND MAINTAIN THIS CONTACT DURING POSITIONING TO PREVENT CUTTING THE GASKET ON THE FITTING THREAD.
5. SCREW FITTING INTO BOSS UNTIL GASKET CONTACTS THE BOSS.
6. SCREW FITTING IN AN ADDITIONAL 180°. ANY FURTHER POSITIONING OF THE FITTING MUST BE ACCOMPLISHED BY TURNING THE FITTING IN UP TO AN ADDITIONAL 270° OR BY BACKING OUT UP TO 90°.
7. TIGHTEN LOCK NUT LIGHTLY.
8. ASSEMBLE FLARED TUBE TO FITTING.
9. TIGHTEN LOCK NUT AGAINST BOSS.

NOT TO BE USED IN HYDRAULIC OR PNEUMATIC SYSTEMS. SEE SHEET 3 FOR HYDRAULIC AND PNEUMATIC SYSTEM USAGE.

GASKET SELECTION TABLE		
APPLICATION	AN OR MS NO.	APPROPRIATE LUBRICATING LIQUID
ENGINE OIL	AN6290	ENGINE OIL
FUEL	MS29512	APPLICABLE FUEL



NON-POSITIONING TYPE FITTING INSTALLATION SUITABLE FOR NOMINAL OPERATING PRESSURES UP TO AND INCLUDING 3000 PSI

PROCEDURE FOR INSTALLATION OF AND10056 FITTING END, STYLE E.

1. LUBRICATE THE GASKET IN APPROPRIATE LIQUID (SEE TABLE).
2. INSTALL GASKET ON THE FITTING AS SHOWN IN DETAIL 1.
3. SCREW THE FITTING ASSEMBLY INTO THE BOSS UNTIL IT BOTTOMS TIGHTLY ON THE BOSS AS SHOWN IN DETAIL 2.

GASKET SELECTION TABLE		
APPLICATION	AN OR MS NO.	APPROPRIATE LUBRICATING LIQUID
HYDRAULIC	AN6290	MIL-O-5606 OR PETROLATUM
ENGINE OIL	AN6290	ENGINE OIL
FUEL	MS29512	APPLICABLE FUEL
PNEUMATIC	AN6290	MIL-O-1343

AIR FORCE-NAVY AERONAUTICAL DESIGN STANDARD
FITTINGS, INSTALLATION OF FLARED TUBE, STRAIGHT
THREADED CONNECTORS

AND10064
SHEET 2

APPROVED	16 May 49	REVISED	1	14 Jun 51	2	1 May 53	3	23 Nov 54
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NOTES: When Government drawings, specifications, or other data are used for any purpose other than in connection with a contract entered into with the Government, the United States Government hereby disclaims any responsibility, nor any obligation whatsoever, and the fact that the Government may have furnished, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner endorsing the product or any other part or component, or carrying any rights or privileges in manufacture, sale, or use of any patented invention that may in any way be related thereto.

NOTE: This drawing was prepared by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing represents the standard design for the same product and shall become obsolete for the Air Force Department of Aeronautical Engineering, or for the Navy Department of Naval Engineering, after the latter date of approval above.

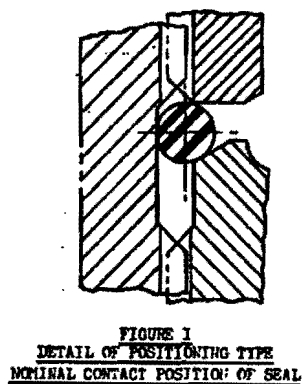


FIGURE I
DETAIL OF POSITIONING TYPE
NOMINAL CONTACT POSITION OF SEAL

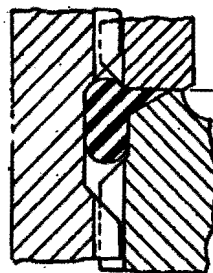


FIGURE II
NUT CONTACTS BOSS

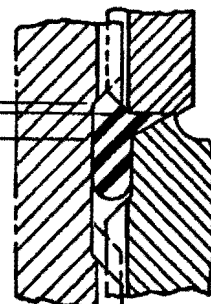
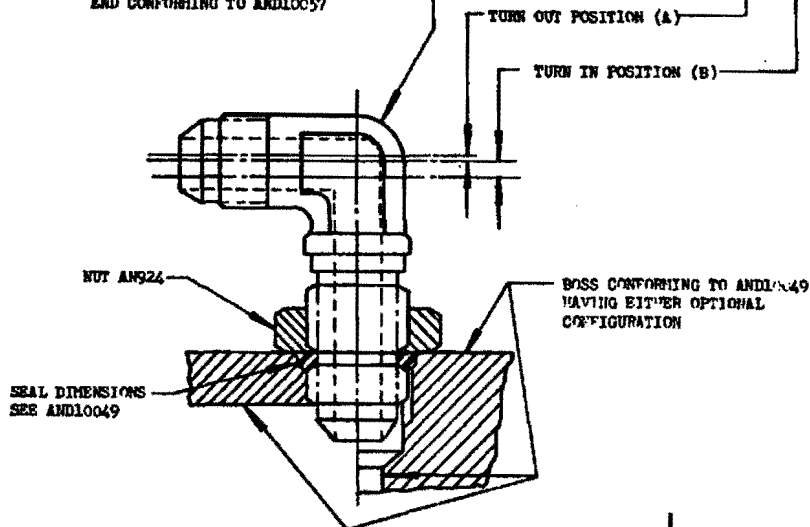


FIGURE III
POSITIONING OF FITTING

AND10059 APPLICABLE FITTINGS HAVING
A SEAL GROOVE ON THE BOSS CONNECTION
END CONFORMING TO AND10057



POSITIONING TYPE UNIVERSAL FITTING INSTALLATION

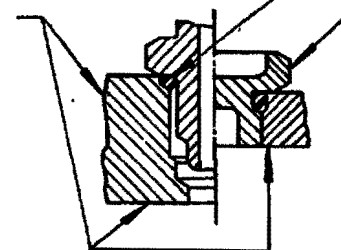
PROCEDURE FOR INSTALLATION

ASSEMBLE NUT AN924 ON FITTING END UNTIL WASHER FACE OF NUT LINES UP WITH UPPER CORNER OF SEAL GROOVE (FIG I). LUBRICATE SEAL SPARINGLY WITH WHITE PETROLATUM AND PLACE SEAL ON FITTING GROOVE SO IT CONTACTS NUT (FIG I). SCREW FITTING (AND NUT SIMULTANEOUSLY) INTO BOSS UNTIL SEAL CONTACTS BOSS CHAMFER (FIG I) AND UNTIL NUT CONTACTS BOSS (FIG II). BEFORE TIGHTENING LOCKNUT AN924, POSITION FITTING DIRECTION BY EITHER TURNING IN AS MUCH AS 3/4 TURN ($\sim 270^\circ$) OR TURNING OUT AS MUCH AS 1/4 TURN ($\sim 90^\circ$) (FIG III). ASSEMBLE FLUID LINE TO AND10059 FITTING END. HOLDING THE FITTING STATIONARY IN SELECTED POSITION, TIGHTEN LOCKNUT.

NOMINAL USE: AIRCRAFT ENGINE FLUID CONNECTION.

FITTING OR PLUG HAVING A SEAL
GROOVE ON THE BOSS CONNECTION
END CONFORMING TO AND10056,
STYLE E

SEAL DIMENSIONS, SEE AND10049



NON-POSITIONING TYPE FITTING OR PLUG INSTALLATION

PROCEDURE FOR INSTALLATION

1. LUBRICATE SEAL SPARINGLY WITH WHITE PETROLATUM AND PLACE SEAL IN GROOVE.
2. SCREW FITTING OR PLUG INTO BOSS UNTIL CONTACT IS MADE WITH BOSS SURFACE.

AIR FORCE-NAVY AERONAUTICAL DESIGN STANDARD

FITTINGS - INSTALLATION OF FLARED
TUBE, STRAIGHT THREADED CONNECTORS

AND10064

SHEET 4

NOT A PART NUMBER

APPROVED 1 Feb 54 REVISED