INCH-POUND

MS22058D
21 March 2005
SUPERSEDING
MS22058C
31 January 1986

DETAIL SPECIFICATION SHEET

CONNECTOR, OXYGEN HOSE TO REGULATOR

Reactivated after 21 March 2005 and may be used for new and existing designs and acquisitions.

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-C-19064.

CLASSIFICATION:

- 1 ASSY - Type I (Figure 1)

- 2 ASSY - Type II (Figure 2)

Part or Identifying Number (PIN):

MS22058-1 - Connector, Oxygen Hose to Regulator, Type I

MS22058-2 - Connector, Oxygen Hose to Regulator, Type II

Unless otherwise specified, tolerances: decimals $\pm$ 0.010; angles $\pm$ 1 degree.

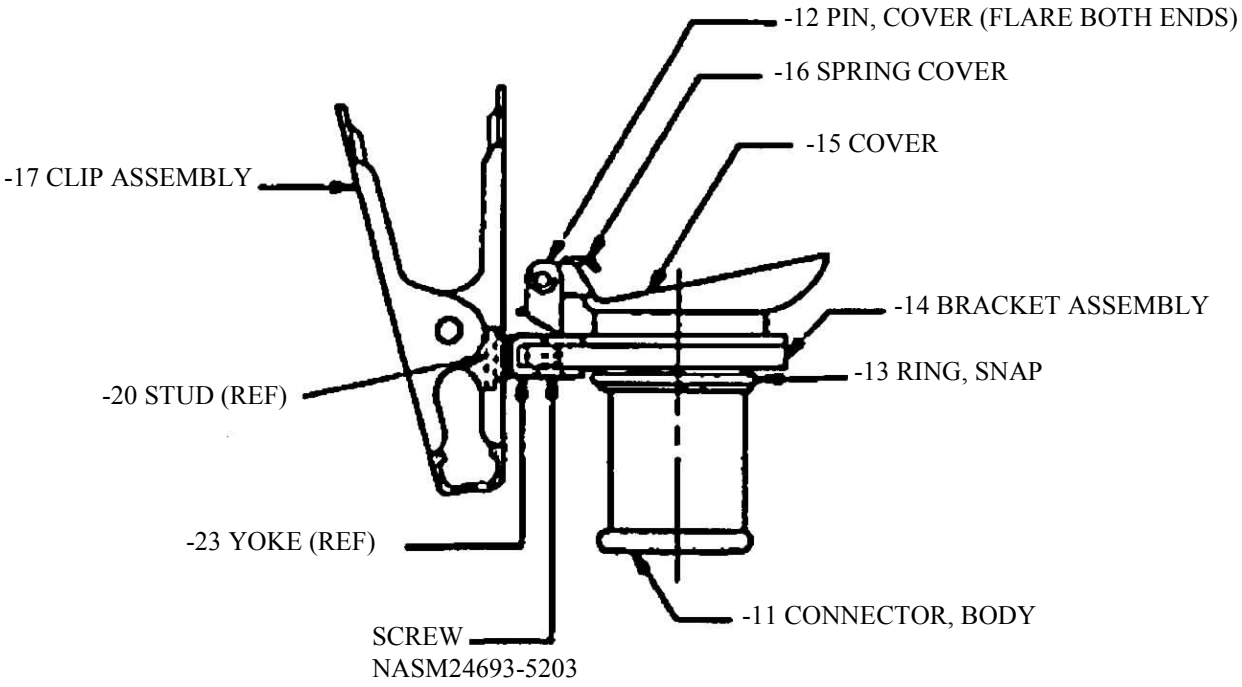


FIGURE 1. -1 ASSY.

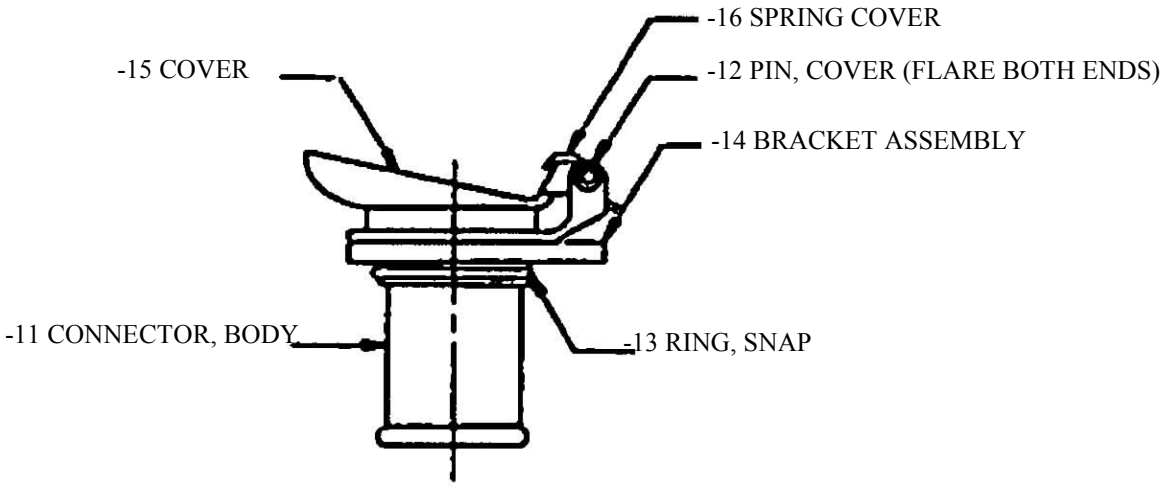
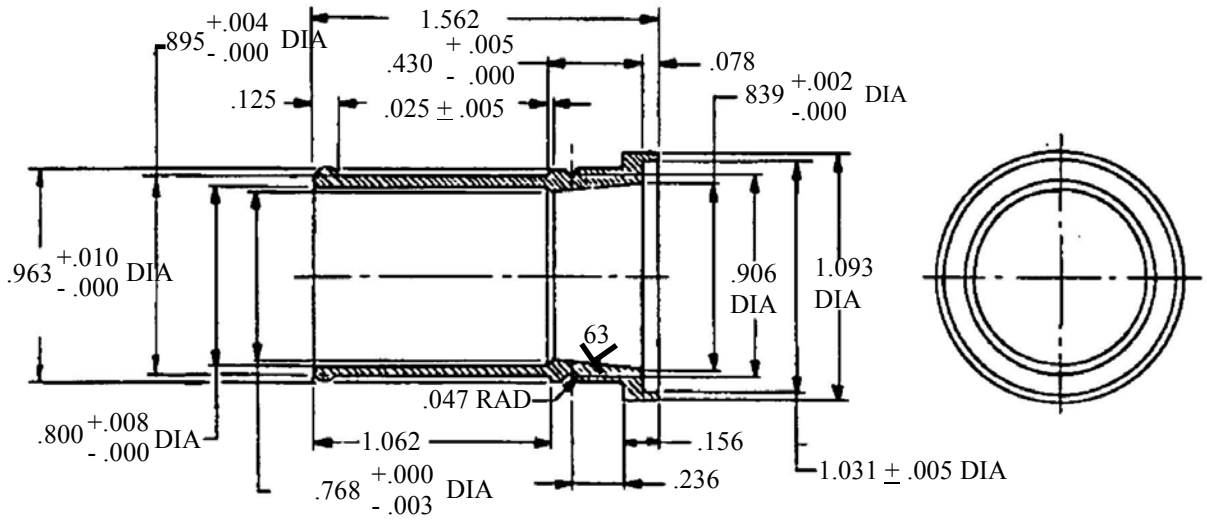


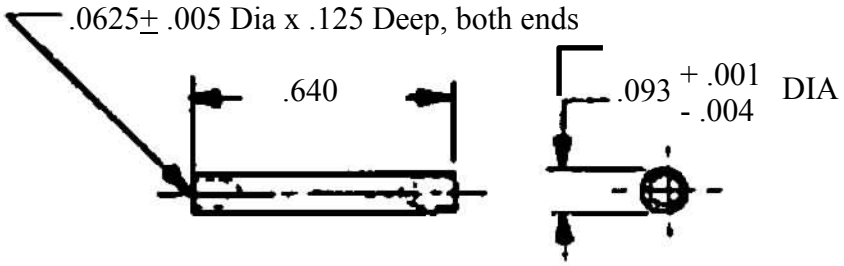
FIGURE 2. -2 ASSY.



NOTES:

1. Material: Brass, ASTM-B16/B16M, 1/2 hard, UNS C36000.
2. Finish: Nickel plate per SAE-AMS-C-26074, class I, grade B.
3. Break sharp edges, 0.005 max radius.
4. Surface texture in accordance with ASME-B46.1.

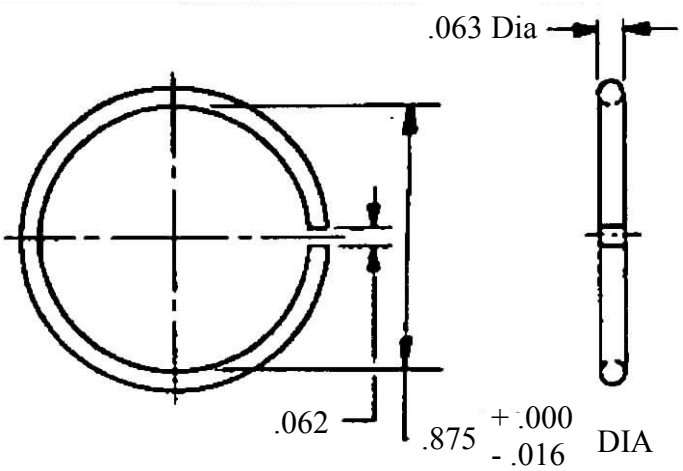
FIGURE 3. -11 Connector, body.



NOTES:

1. Material: Brass, ASTM-B16/B16M, 1/2 hard, UNS C36000.
2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.

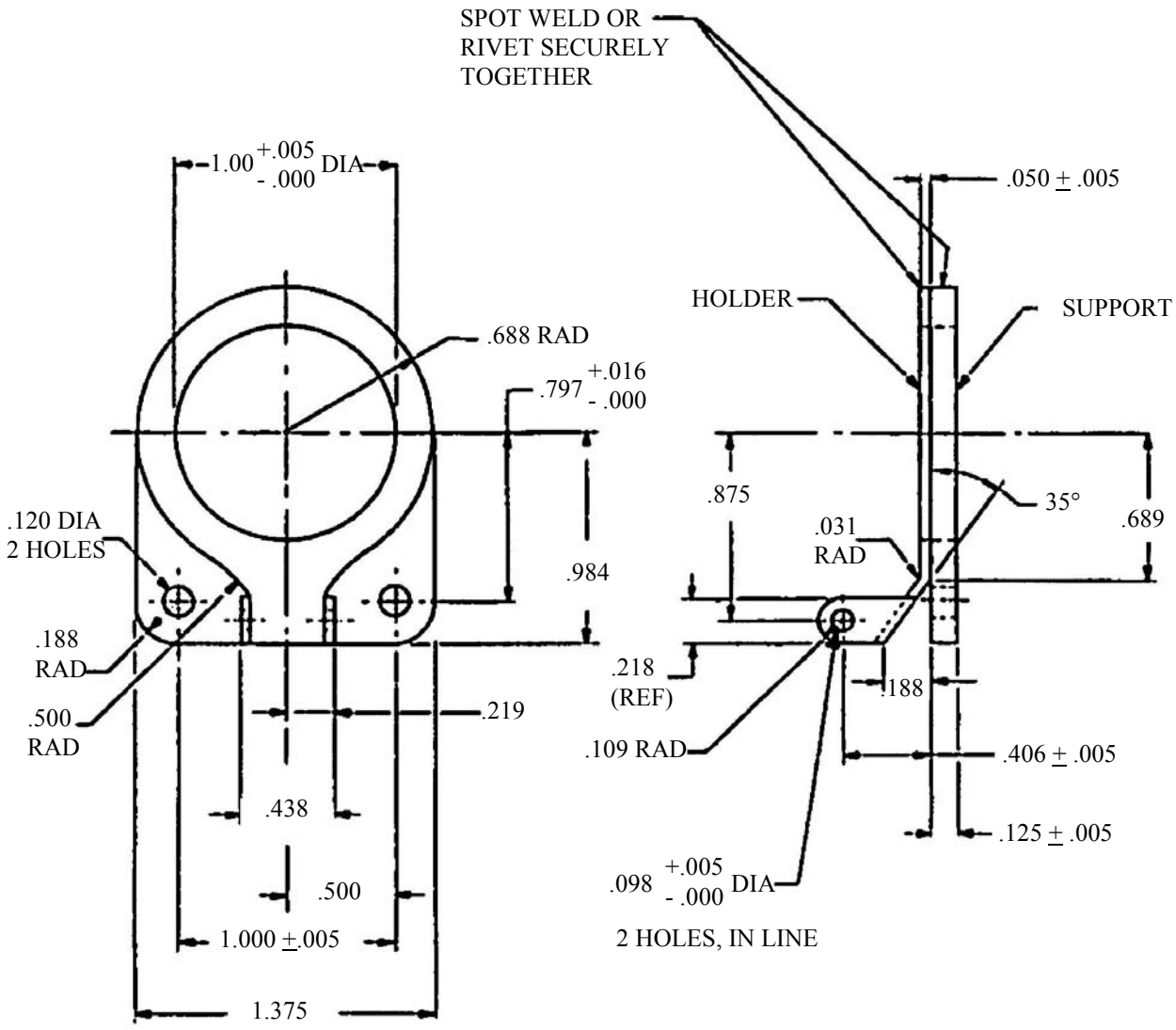
FIGURE 4. -12 Pin, cover.



NOTES:

1. Material: Music/spring wire, ASTM-A228/A228M, ASTM-A313/A313M.
2. Finish: Passivate ASTM-A313/A313M per ASTM-A967.
3. Heat ring 500 to 550 degrees F for 20 minutes after forming.

FIGURE 5. -13 Ring, snap.



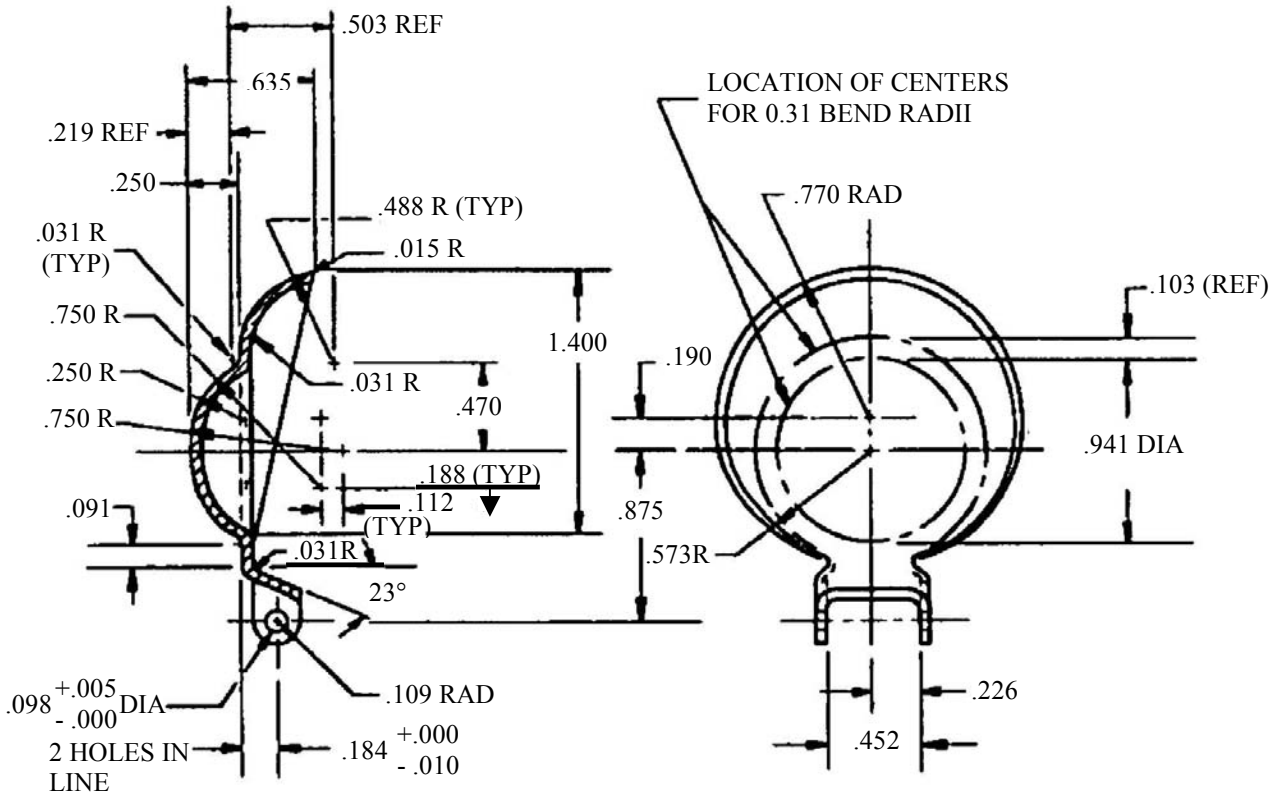
NOTES:

1. Material: Steel sheet, ASTM-A366/A366M, Cold rolled; Steel bars, ASTM-A108, grade 1020.

2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.

3. Remove all burrs and sharp edges.

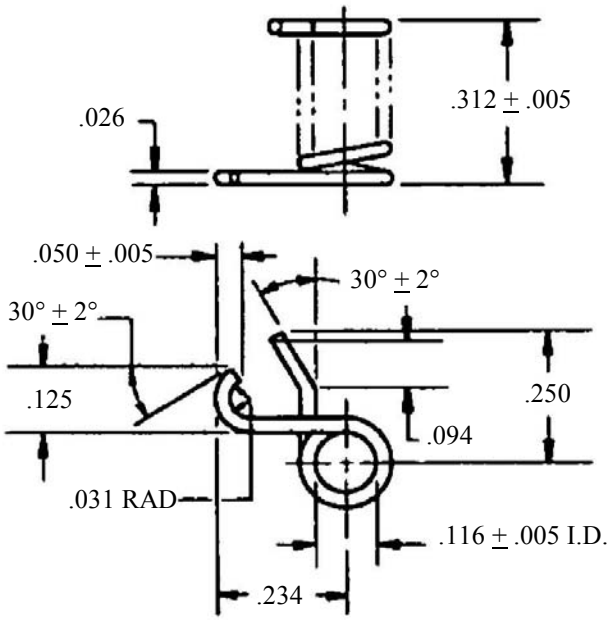
FIGURE 6. -14 Bracket assembly.



NOTES

1. Material: Aluminum alloy, SAE-AMS-QQ-A-250, temper O, 0.051 thick.
2. Finish: Anodize, MIL-A-8625, Type I.
3. Heat treat after forming to SAE-AMS-H-6088, condition T4.
4. Remove all burrs and sharp edges, 0.010 min radius.

FIGURE 7. -15 Cover.



NOTES:

1. Material: Music wire, ASTM-A228/A228M.
2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.
3. Number of coils: 7
4. Load not critical: Heat spring 500 to 550 °F for five minutes after forming.

FIGURE 8. -16 Spring, cover.

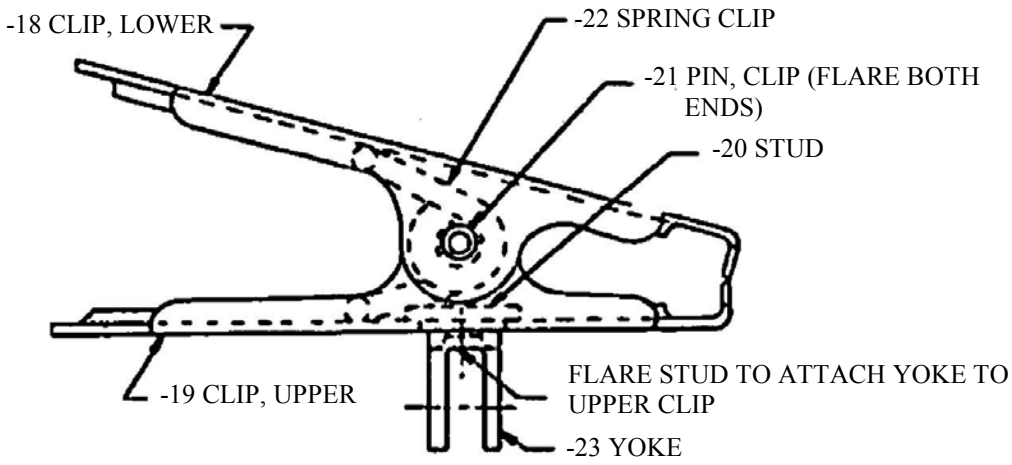
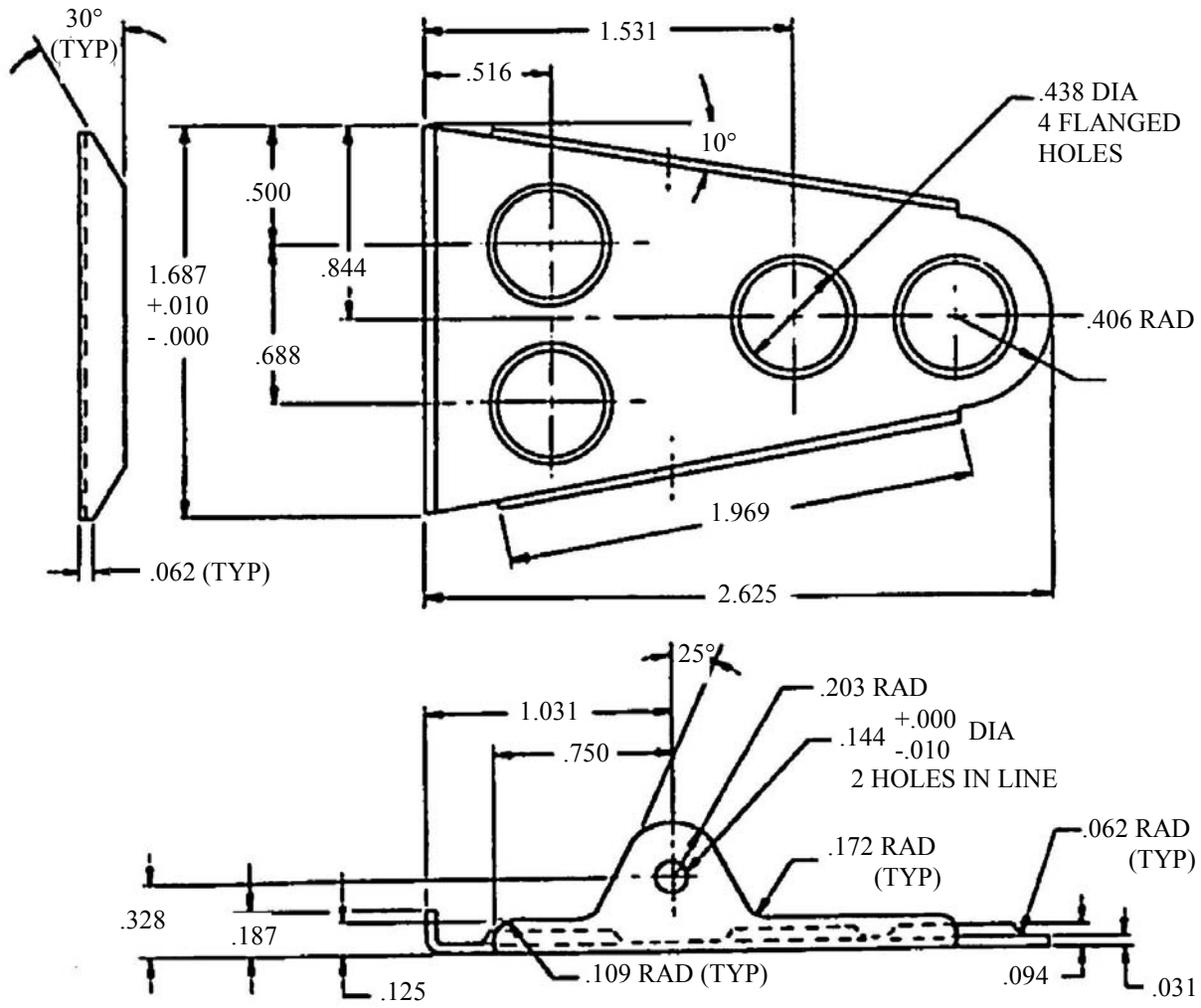


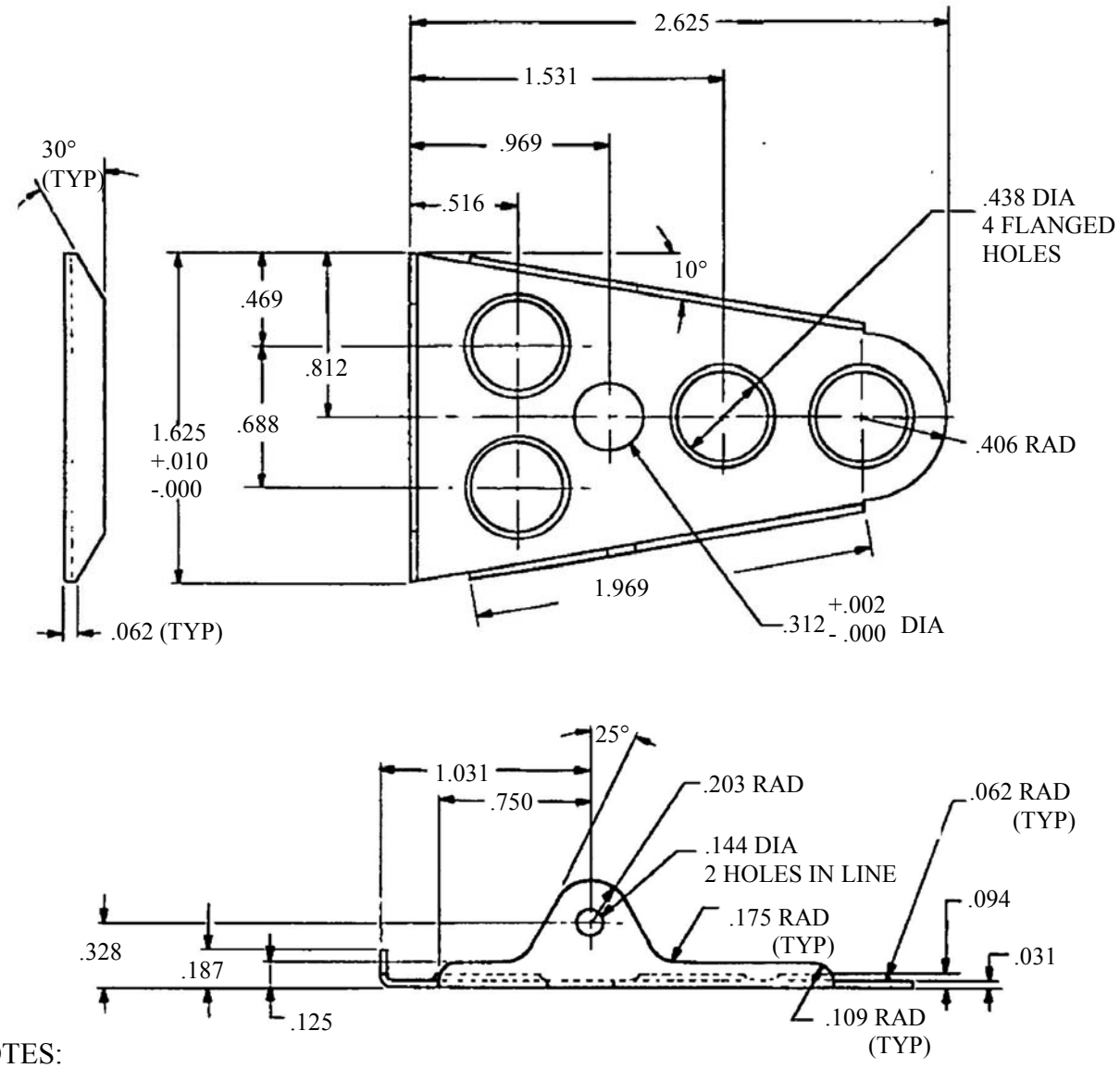
FIGURE 9. -17 Clip assembly.



NOTES:

1. Material: Steel sheet, ASTM-A366/366M, Cold rolled; Steel bars, ASTM-A108, grade 1020.
2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.
3. All bends 0.016 radius unless otherwise specified.
4. Remove all burrs.

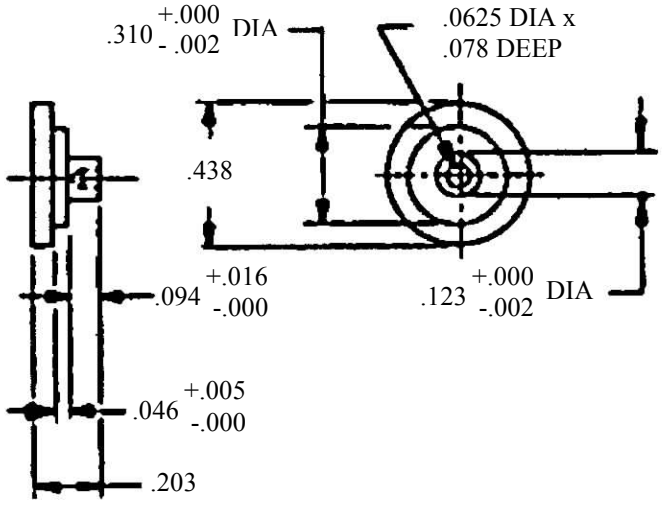
FIGURE 10. -18 Clip, lower.



NOTES:

1. Material: Steel sheet, ASTM-A366/366M, Cold rolled; Steel bars, ASTM-A108, grade 1020.
2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.
3. All bends 0.016 radius unless otherwise specified.
4. Remove all burrs.

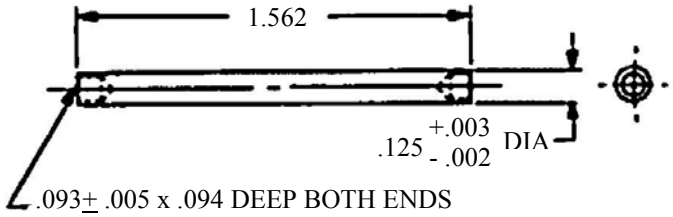
FIGURE 11. -18 Clip, upper.



NOTES:

1. Material: Steel sheet, ASTM-A366/366M, Cold rolled; Steel bars, ASTM-A108, grade 1020.
2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.
3. Break sharp edges, 0.005 max radius.

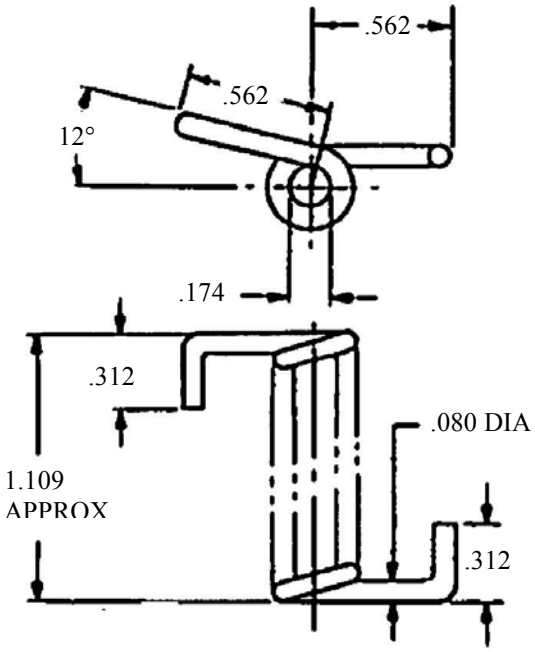
FIGURE 12. -20 Stud.



NOTES:

1. Material: Brass, ASTM-B16/B16M, 1/2 hard, UNS C36000.
2. Optional material: Brass tubing, ASTM-B135.
3. Finish: ASTM-B633, FE/ZN 13, Type I.

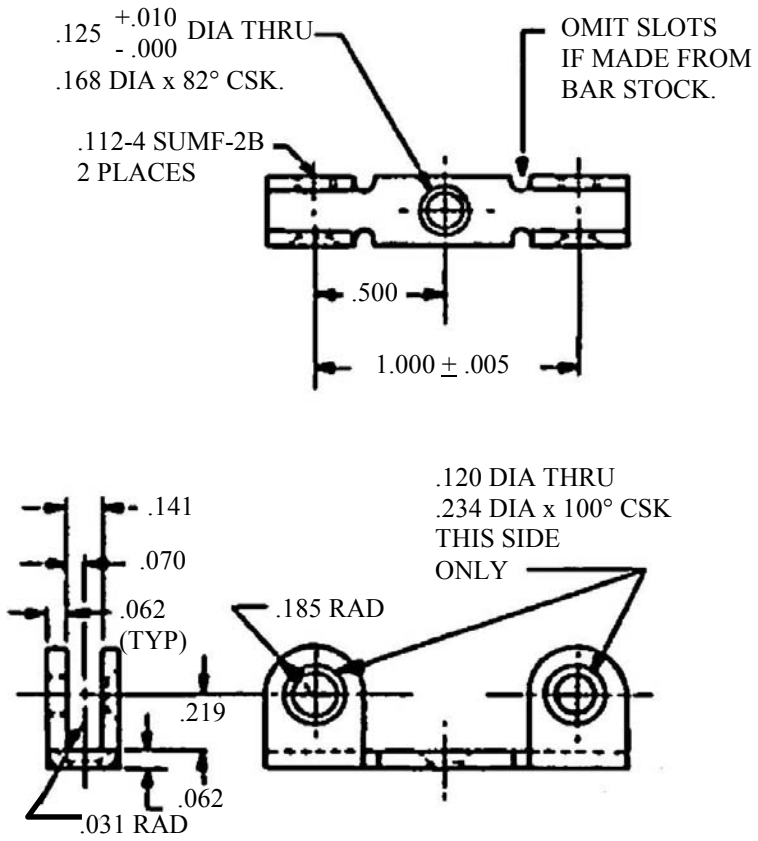
FIGURE 13. -21 Pin, clip.



NOTES:

1. Material: Music wire, ASTM-A228/A228M.
2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.
3. Heat spring 500 to 550 degrees F for 20 minutes after forming.
4. Thirteen turns, close wound; load not critical.

FIGURE 14. -22 Spring clip.



NOTES:

1. Material: Steel sheet, ASTM-A366/A366M, Cold rolled; Steel bars, ASTM-A108, grade 1020.

2. Finish: Zinc plating, ASTM-B633, FE/ZN 13, Type I.

3. Break sharp corners, 0.005 max radius.

4. Threads shall be in accordance with FED-STD-H28.

FIGURE 15. -23 Yoke.

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Custodians:
Army - AV
Navy - AS
Air Force - 99

Preparing Activity:
Navy - AS

(Project 1660-0834)

Review activities:
Army - GL
Air Force - 11, 71
DLA - GS

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at http://assist.daps.dla.mil.