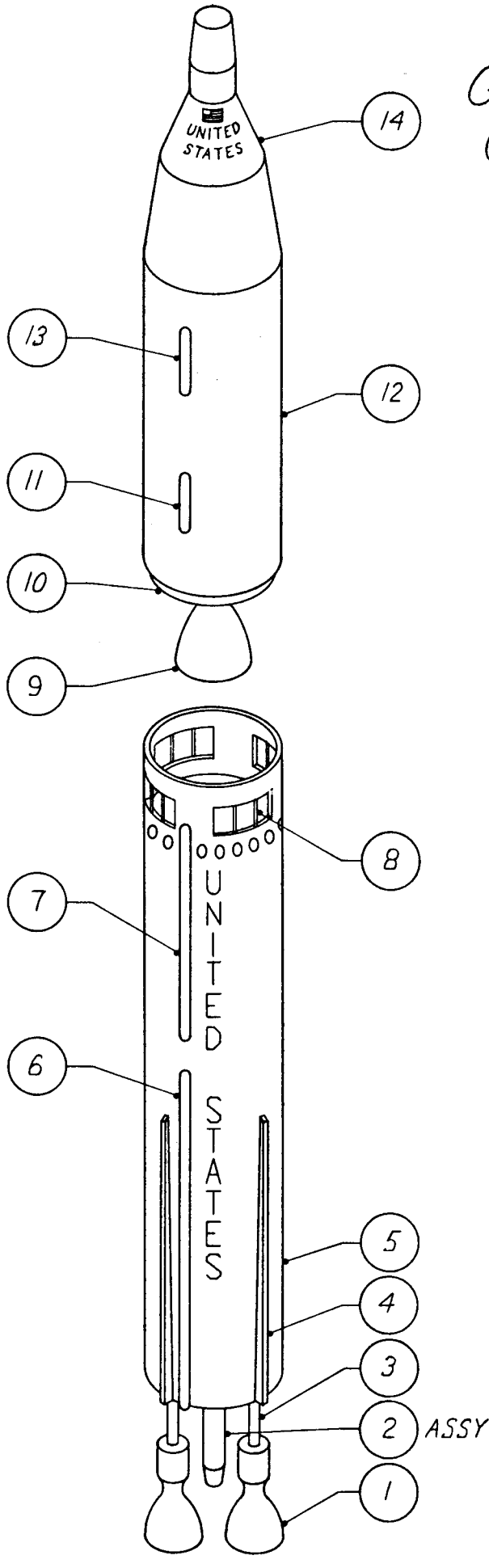
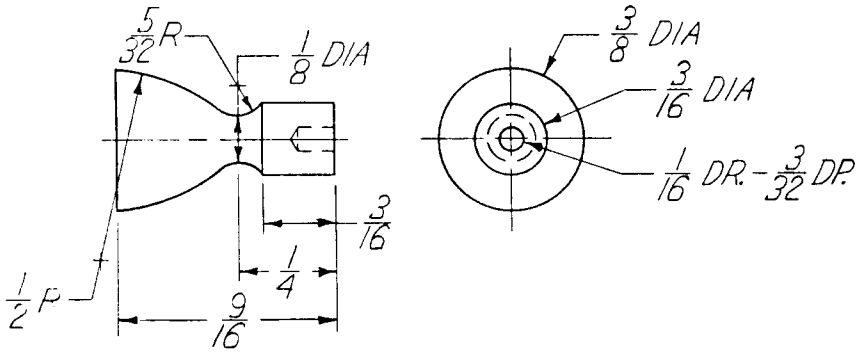
TITAN II ROCKET

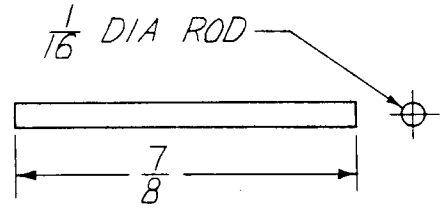
GEMINI VII CAPSULE



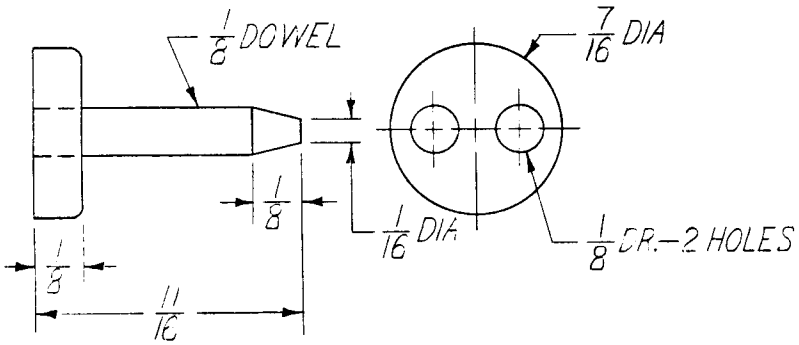
229-357 O-66—9



1 1ST STAGE MOTOR 2 REQ'D
SCALE: 2/1

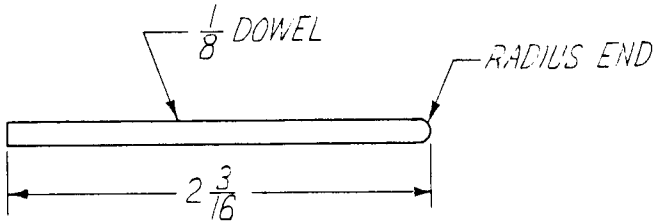


3 MOTOR BRACE — 2 REQ'D
SCALE: 2/1

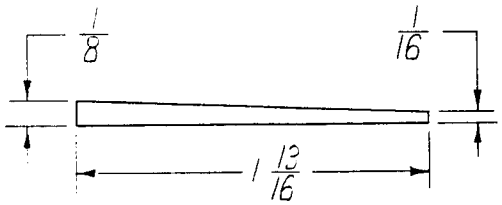


2 ASS'Y - EXHAUST SYSTEM — 1 REQ'D
SCALE: 2/1

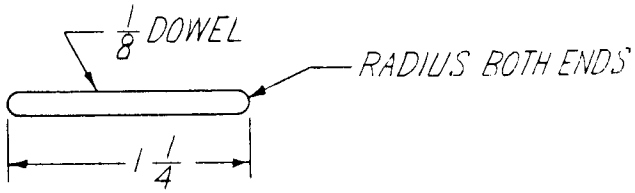
NOTE: ASSEMBLY CONSISTS OF THREE PARTS:
2 PIECES — 1/8 DOWEL X 11/16 LONG
1 PIECE — 7/16 DIA X 1/8 THICK STOCK



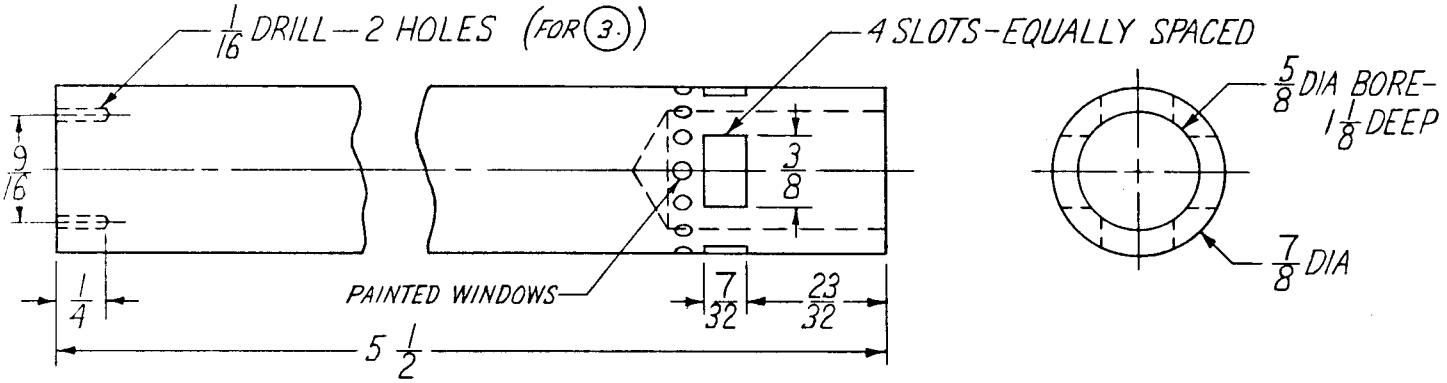
6 FUEL LINE — LOWER — 1 REQ'D
SCALE: 1/1



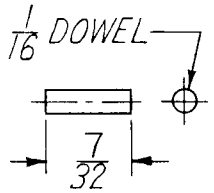
4 STABILIZER — 4 REQ'D
SCALE: 1/1



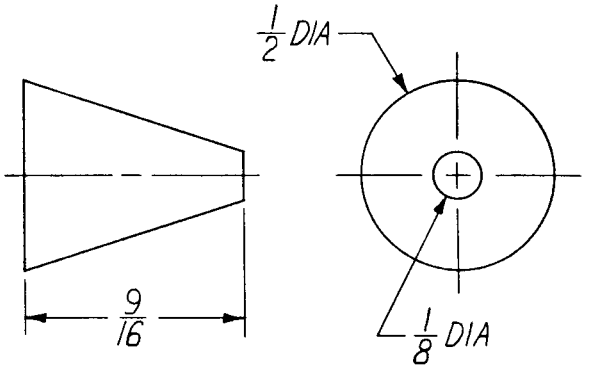
7 FUEL LINE - CENTER — 1 REQ'D
SCALE: 1/1



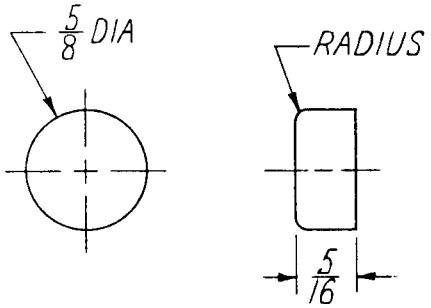
(5) 1ST STAGE BODY — 1 REQ'D
SCALE: 1/1



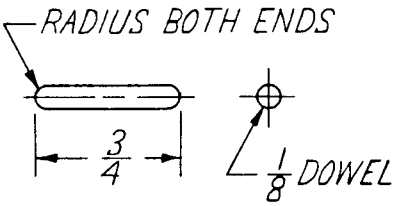
(8) BRACE — 8 REQ'D
SCALE: 2/1



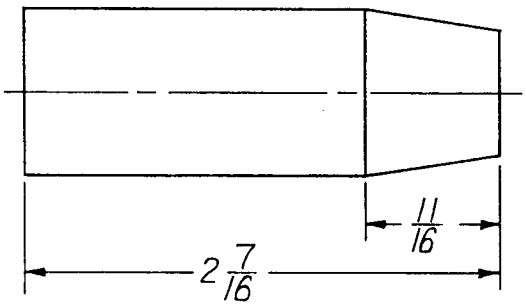
(9) 2ND STAGE MOTOR — 1 REQ'D
SCALE: 2/1

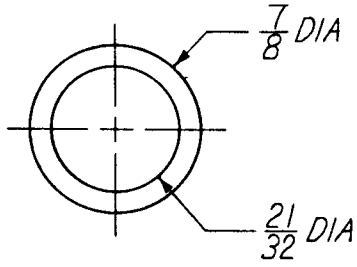


(10) MOTOR BASE — 1 REQ'D
SCALE: 1/1

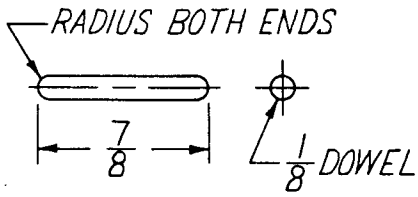


(11) FUEL LINE - LOWER — 1 REQ'D
SCALE: 1/1

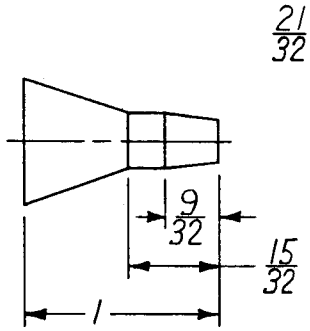


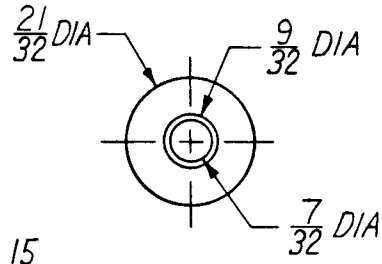


(12) 2ND STAGE BODY — 1 REQ'D
SCALE: 1/1

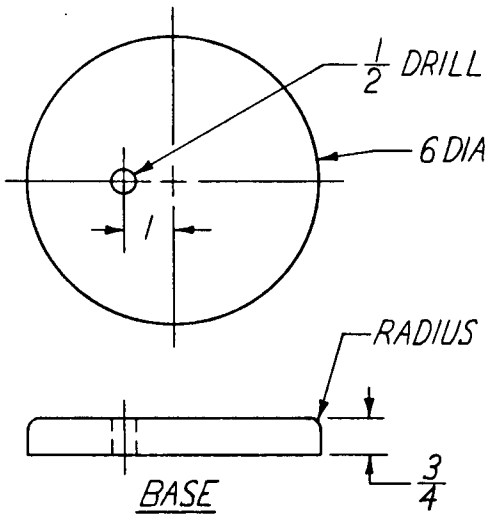


(13) FUEL LINE-UPPER — 1 REQ'D
SCALE: 1/1

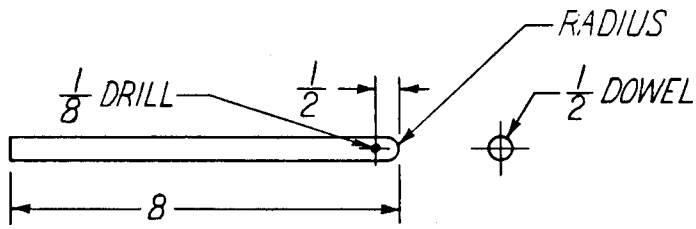




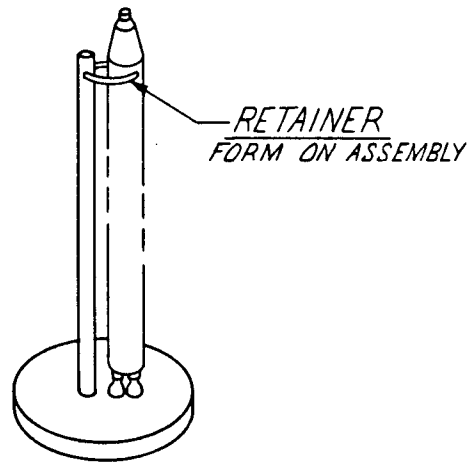
(14) SPACE CAPSULE — 1 REQ'D
SCALE: 1/1



BASE



DOWEL



MODEL STAND — HAS THREE PARTS
SCALE: 1/4

1. BASE
2. DOWEL
3. RETAINER (CLIP)

Gemini-Titan II

Recommended materials for construction			
Part no.	**Number required**	**Recommended material**	**Color**
1	Two	Wood - pine	Silver
2 Assy	One	Wood - dowel	Silver
3	Two	Metal brazing rod	Silver
4	Four	Wood - pine	White
5	One	Wood - pine	White
6	One	Wood - dowel	White
7	One	Wood - dowel	White
8	Eight	Wood - dowel	White
9	One	Wood - pine	Silver
10	One	Wood - pine	Silver
11	One	Wood - dowel	White
12	One	Wood - pine	White
13	One	Wood - dowel	White
14	One	Wood - pine	Black

Recommended procedure for construction				
Part no.	**Suggested materials**	**Fabrication technique**	**Surface treatment**	**Assembly recommendations**
1	Wood - pine	Cut to length. Turn to specified dimensions. Drill hole.	Finish sand.	
2 Assy	Wood - dowel	Cut 1/8" dowel to length and taper one end to specified dimensions. Cut base from 7/16" dowel and drill holes.	Finish sand.	Glue 1/8" doweling in holes of 7/16" dowel with epoxy resin.
3	Brass rod	Cut to length.	Clean.	Glue parts no. 1 and 2 to part no. 3 with epoxy resin. Paint assembly silver.
4	Wood - pine	Cut to length.	Finish sand.	
5	Wood - pine	Cut to length. Turn on lathe to specified dimensions. Drill 5/8" diameter x 1-1/8" deep hole. Cut slots to specified dimensions. Drill (2) 1/16" diameter holes for part no. 3 per dimensions.	Finish sand.	
6	Wood - dowel	Cut to length.	Finish sand.	
7	Wood - dowel	Cut to length.	Finish sand.	
8	Wood - dowel	Cut to length.	Finish sand.	Glue parts no. 4, 6, 7, and 8 to part no. 5 with eopxy resin. Paint assembly white.
9	Wood - pine	Cut to length. Turn on lathe to specified dimensions.	Finish sand.	
10	Wood - pine	Turn on lathe to specified dimensions. Cut to length. Radius one edge per detail.	Finish sand.	Glue part no. 9 to part no. 10 with epoxy resin. Paint silver.
11	Wood - dowel	Cut to length.	Finish sand.	
12	Wood - pine	Cut to length. Turn on lathe to specified dimensions.	Finish sand.	
13	Wood - dowel	Cut to length.	Finish sand.	Glue parts no. 11 and 13 to part no. 12. Paint white.
14	Wood - pine	Cut to length. Turn on lathe to specified dimensions.	Finish sand.	Paint black. Glue part no. 12 to part no. 14
				Glue parts no. 1, 2, and 3 to part no. 5.
				Apply surface details to parts no. 5 and 14

				using appropriate paint or India ink
Model stand	Wood - dowel Wire (solder)	See detail sheet for specified dimensions. Drill hole in dowel for wire clip.	Finish sand wood surfaces.	Glue dowel to base. Paint black. Form wire clip.