

INCH-POUND

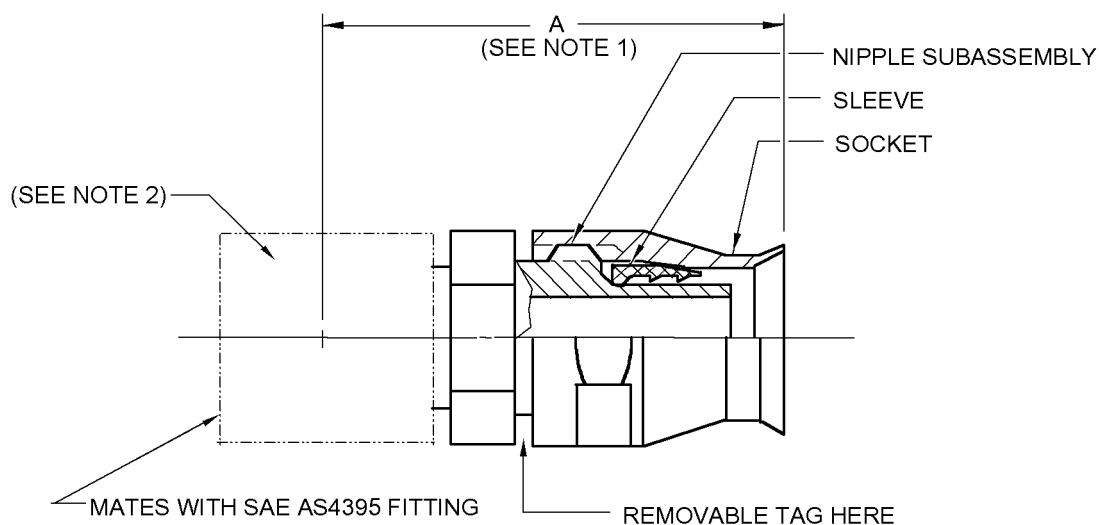
MS27053D  
 25 September 2003  
 SUPERSEDING  
 MS27053C  
 30 June 1972

## DETAIL SPECIFICATION SHEET

ADAPTER ASSEMBLY, FLARED, STRAIGHT,  
 TUBE TO HOSE - WITH SWIVEL NUT

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 and MIL-DTL-27272.



## NOTES:

1. A is the dimension between the hose end of the adapter and the free end of the insert at its centerline when the socket is assembled on the nipple subassembly.
2. If required, lockwire holes to be drilled in accordance with SAE AS1043 and suffix L added to Part or Identifying Number (PIN) (e.g., MS27053-8CL).

FIGURE 1. Adapter assembly illustration.

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## REQUIREMENTS:

Intended use. This adapter is intended for use only with hose conforming to MIL-DTL-27267.

Dimensions. Dimensions are in inches.

Material. PIN suffix C: Corrosion-resistant steel.

No PIN suffix: Combination of aluminum alloy and corrosion-resistant steel. See applicable specification sheet for other components identified in table I for their material requirements.

Identification of product. The PIN and the manufacturer's Commercial and Government Entity (CAGE) Code shall be marked on a removable tag securely attached to the adapter. The PIN for this assembly shall be as specified in table I (e.g., MS27053-4C).

Order of precedence. This specification takes precedence over the documents referenced herein. Unless otherwise specified, referenced documents shall be of the issue in effect on the date of solicitation.

TABLE I. Adapter assembly composition.

PIN <u>1/</u>	Nipple subassembly PIN	Sleeve PIN	Socket PIN	A <u>2/</u> max
MS27053	MS27061	MS27070	MS27069	
-3/-4C <u>3/</u>	-3/4C	-4C	-4C	1.33
-4C	-4C			1.35
-5C	-5C	-5C	-5C	1.41
-6C	-6C	-6C	-6C	1.47
-8C	-8C	-8C	-8C	1.70
-8	-8			
-10C	-10C	-10C	-10C	1.86
-10	-10			
-12C	-12C	-12C	-12C	1.93
-12	-12			
-16C	-16C	-16C	-16C	2.15
-16	-16			
-20C	-20C	-20C	-20C	2.52
-20	-20			
-24C	-24C	-24C	-24C	2.71
-24	-24			

1/ If required, lockwire holes to be drilled in accordance with SAE AS1043 and suffix L added to PIN (e.g., MS27053-8CL).

2/ Dimension A is the dimension between the hose end of the adapter and the free end of the insert at its centerline when the socket is assembled on the nipple subassembly.

3/ Swivel nut and sealing surface of this nipple subassembly shall mate with SAE AS4395-3 fitting. The remaining portion of the subassembly is to mate with M27267-4 hose.

## MS27053D

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

Adapter assembly illustration. See figure 1.

## CONCLUDING MATERIAL

### Custodians:

Army - AV  
Navy - AS  
Air Force - 99  
DLA - CC

### Preparing activity:

DLA - CC

(Project 4730-0868-001)

### Review activities:

Army - AT, MI  
Navy - MC, SA, SH  
Air Force - 71