

GG-F-355A  
November 11, 1975  
SUPERSEDING  
GG-F-00355 (GSA-FSS)  
May 20, 1965

## FEDERAL SPECIFICATION

### FINGERPRINT IDENTIFICATION KITS

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

#### 1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers fingerprint taking kits (see 6.1).

1.2 Classification. Fingerprint identification kits shall be of the following types, as specified (see 6.2):

Type I - Direct taking  
Type II - Burglary  
Type III - Postmortem

#### 2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein:

##### Federal Specifications:

PPP-B-566 - Boxes, Folding, Paperboard  
PPP-B-636 - Boxes, Shipping, Fiberboard

##### Federal Standard:

Fed. Std. No. 123 - Marking for Shipment (Civil Agencies).

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

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(Single copies of this specification and other Federal specifications required by activities outside the Federal Government for bidding purposes are available without charge from Business Service Centers, at the General Services Administration Regional Offices in Boston, New York, Washington, DC, Atlanta, Chicago, Kansas City, MO, Ft. Worth, Denver, San Francisco, Los Angeles, and Seattle, WA.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points and in their agencies.)

Military Specification:

MIL-P-26514 - Polyurethane Foam, Rigid or Flexible for Packaging.

Military Standards:

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.

MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply:

National Motor Freight Traffic Association, Inc., Agent

National Motor Freight Classification

(Application for copies should be addressed to the American Trucking Associations, Inc., Tariff Order Section, 1616 P Street, N.W. Washington, DC 20036.)

Uniform Classification Committee, Agent

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

### 3. REQUIREMENTS

3.1 First article. The supplier shall furnish a sample type II or type III kit for first article inspection and approval (see 4.2 and 6.3).

3.2 Standard components. The components of the kits delivered under this specification shall be the manufacturer's commercial product, except for any changes necessary to comply with specification requirements.

3.3 Alternate components. Components offered as equivalent to components specified by the Government (see table I and 3.8), shall be functionally equal, of equal or better quality, with the item specified. The incorporation and inclusion of such a component in the kit shall not require modification or change to any other specified component, and shall not reduce ease of maintenance to it or any other components, unless such modification or change is specifically approved by the contracting officer. Prior to the submission of the first article, the supplier shall submit for the contracting officer's approval, a list identifying each proposed alternative component, together with proof that each listed component complies with requirements specified herein (see 4.1.1). The contracting officer, at his option, may require a physical sample of the proposed substitution. Approval of the submitted listing, together with necessary supporting data, authorizes the commencement of the first article production and does not relieve the contractor of the responsibility that these components perform in accordance with specified requirements when incorporated into the kits.

3.4 Materials. Materials not definitely specified shall be of the quality normally used by the manufacturer in his commercial fingerprint identification kit, provided the completed item complies with the provisions specified herein.

3.5 Components. The type I kit shall consist of the fingerprint pad specified herein. The type II and type III kits shall be as specified in table I and shall be similar to figures 1 and 2, respectively. Figures 1 and 2 are included for information only and are not intended to preclude kits otherwise meeting the requirements specified herein.

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TABLE I. Component type II and type III kits

Components	Unit Quantity	Number required		Government furnished		Source of supply
		Type II Kit	Type III Kit	property	NSN	
Latent print powder, black	2 oz	1	-	-	-	Commercial
Latent print powder, gray	2 oz	1	-	-	-	Commercial
Latent print powder, magnetic, black	1 oz	1	-	-	-	Commercial
Latent print powder, magnetic, gray	1 oz	1	-	-	-	Commercial
Brush, latent powder, camel hair	ea	1	-	-	-	Commercial
Brush latent powder, fiberglass	ea	1	-	-	-	Commercial
Magnetic fingerprint wand	ea	1	-	-	-	Commercial
Hinge lifter, white 4 inch by 9 inch	ea	12	-	-	-	Commercial
Hinge lifter, black 4 inch by 9 inch	ea	12	-	-	-	Commercial
Transparent lifting tape	roll	1	-	-	-	Commercial
Rubber latent print lifter, white	ea	6	-	-	-	Commercial
Rubber latent print lifter, black	ea	6	-	-	-	Commercial
Backing card, black and white 3 inch by 5 inch	ea	20	-	-	-	Commercial
Card, index unruled white 3 inch by 5 inch	ea	10	-	-	-	Commercial
Fingerprint kit, type I	ea	1	-	-	-	Commercial
Bag, plastic	ea	3	3	-	8105-00-837-7756	GSA
Tweezers	ea	1	1	-	5120-00-252-7720	GSA
Screwdriver	set	1	-	-	5120-00-293-3339	GSA
Envelope	ea	3	-	-	7510-00-782-6274	GSA
Envelope	ea	3	-	-	7510-00-782-6275	GSA
Envelope	ea	3	-	-	7510-00-782-6276	GSA
Toothbrush, soft	ea	2	2	-	8530-00-724-5607	GSA

TABLE I. Component type II and type III kits (cont'd)

Components	Unit Quantity	Number required		Government property NSN	Source of supply
		Type II Kit	Type III Kit		
Knife	ea	1	-	6520-00-286-4307	DPSC
Fingerprint record card	ea	10	-	-	Commercial
Flashlight	ea	1	1	6230-00-635-4998	GSA
Batteries AA size	ea	2	2	6135-00-643-1309	GSA
Magnifier 2-1/2 inch diameter, 2X	ea	1	1	-	Commercial
Tape PSA evidence labeling 1 inch by 500 inch	roll	1	-	-	Commercial
Scissors	pr	1	-	5110-00-255-0420	GSA
Tape measure reel, 10 foot	ea	1	-	5210-00-293-3505	GSA
Rule, PSA tape, photo evidence 1/2 inch by 360 inches	ea	1	-	-	Commercial
Towel, paper	ea	10	10	8540-00-782-3554	GSA
Card holder	ea	1	-	-	Commercial
Carrying case	ea	-	-	-	Commercial
Surgeon's glove	pr	-	3	6515-00-339-7900	DPSC
Absorbent cotton	2 oz	-	1	-	Commercial
Hypodermic syringe	ea	-	4	6515-00-719-7217	DPSC
Tissue builder solution	4 dram	-	8	-	Commercial
Tissue builder solvent	2 oz	-	1	-	Commercial
Silicone solution	2 oz	-	1	-	Commercial
Silicone catalyst	2 oz	-	1	-	Commercial
Postmortem tool (pad)	ea	-	1	-	Commercial
Finger tissue cleaner	2 oz	-	2	-	Commercial
Postmortem card, left hand	ea	-	12	-	Commercial
Postmortem card, right hand	ea	-	12	-	Commercial

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3.5.1 Fingerprint pad. The fingerprint pad (type I kit) and the pad of the postmortem tool shall be of the permanent ink type. When finger pressure is applied the ink shall rise to the surface of the pad. When tested as specified in 4.5.1, the ink shall dry within 10 seconds. The fingerprint pad shall be not less than 5 inches by 2-1/2 inches. The pad of the postmortem tool shall be not less than 1-1/2 inches square. The fingerprint pad and the postmortem tool shall be provided with a metal hinged or removable cover container.

3.5.2 Carrying cases. The carrying cases for the type II and type III kits shall be not larger than 6 inches by 11 inches by 16 inches. The cases shall be provided with one 4 inch long minimum handle; two draw bolts; and eight metal corner protectors. A card holder shall be attached to the cover of the case for the type I kit (see figure 1). The interior of the cases shall be provided with restraining devices, or restraining devices and a nest for each component. The nest shall be polyurethane form conforming to type 1, class 2, molded of MIL-P-26514. The density shall be 4 pounds per cubic foot. The case shall not open, distort or break. The contents shall not become dislodged or damaged when tested as specified in 4.5.2.

3.6 Marking. The metal container of the type I kit or the case of the type II or type III kit shall be marked with the manufacturer's name or trademark to identify the source of manufacture.

3.7 Workmanship. Sharp edges and burrs shall be removed. Glass components shall not be cracked. The magnifying glass shall not be scratched. Rivets, except hinge rivets, shall be tightly placed.

3.8 Government furnished property. Except as provided in 3.3, the Government will furnish the items indicated by a National Stock Number and source of supply in table I.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Certificates of compliance. When certificates of compliance are submitted, the Government reserves the right to check test such items to determine the validity of certification (see 3.3).

4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

1. First article inspection (see 4.3).
2. Quality conformance inspection (see 4.4).

4.3 First article. The first type II or type III kit shall be examined for defects in table II, dimensions specified, and tested as specified in 4.5.1 and 4.5.2. The presence of any defect or failure of the test shall be cause for rejection of the first article.

4.4 Quality conformance inspection. Except as otherwise specified herein, sampling for inspection shall be performed in accordance with the provisions set forth in MIL-STD-105.

4.4.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be inspected and tested in accordance with all the requirements of referenced specifications, drawings and standards unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document.

4.4.2 End item inspection. The lot shall be all fingerprint kits of one type offered for inspection at one time.

4.4.2.1 Visual examination. The kits shall be examined for the defects in table II. The inspection level shall be II with an acceptable quality level (AQL) of 2.5 for major defects and 6.5 for minor defects, expressed in terms of defects per hundred units.

TABLE II. Visual examination

Examine	Defect	Classification	
		Major	Minor
Contents	Component missing	X	
Material	Wrong type, size, color, class, or damaged component of the end item	X	
Magnifying glass	Not size specified		X
	Not magnification specified	X	
Fingerprint pad, postmortem tool	Not specified type	X	
	No cover or cover distorted	X	

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TABLE II. Visual examination (cont'd)

Examine	Defect	Classification	
		Major	Minor
Bottles	Caps missing or loose, cracked	X	
Carrying case	Hinges bind	X	
	Hasps do not clasp closed	X	
	Snap (if applicable) do not function	X	
Marking	Missing, illegible		X
Workmanship	Instrument, chemical, or material not nested or restrained	X	
	Component containers leak	X	
	Sharp edge or burr		X
	Hasps and hinges not riveted to case	X	

4.4.2.2 Dimensional examination. The kit and components shall be examined to determine compliance with dimensions. Any dimensions not within the specification tolerance shall be a defect. The inspection level shall be S-2 with an AQL of 4.0, expressed in terms of defects per hundred units.

4.4.2.3 Testing of the end item. The type I kit, the type I kit component or the type II kit or the portmortem tool of the type III kit, shall be tested as specified in 4.5.1. The type II and type III kits shall be tested as specified in 4.5.2. The lot shall be all kits of one type. The inspection level shall be S-3 and the AQL shall be 6.5 expressed in terms of defects per hundred units.

4.4.3 Examination of preparation for delivery. An examination shall be made to determine that packaging, packing, and marking as required by section 5 are complied with. Defects shall be as specified in table III. The sample unit shall be one shipping container fully prepared for delivery except it need not be sealed. The lot shall be all containers offered for inspection at one time. The inspection level shall be S-2 and the AQL shall be 4.0, expressed in terms of defects per hundred units.

TABLE III. Examination of preparation for delivery

<u>Examine</u>	<u>Defect</u>
Markings, exterior and interior	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application
Materials	Component missing or damaged
Contents	Number per container is more or less than required

4.4.3.1 Examination of shipping containers. Examination for defects in closure, waterproofing, and strapping of shipping containers shall be in accordance with the appendix of the applicable container specification.

#### 4.5 Tests.

4.5.1 Ink test. Roll the finger over the pad. Press the finger to a record card. Failure of the ink to rise to the surface of the pad or failure of the ink to dry within 10 seconds shall constitute failure of this test.

4.5.2 Carrying case. The assembled kit shall be allowed to fall free from a height of not less than 30 inches onto an asphalt tile covered concrete floor. Opening, breaking, or distortion of the case, or damage or spillage of the contents, shall constitute failure of this test.

### 5. PREPARATION FOR DELIVERY

5.1 Packaging. Packaging shall be level A or C, as specified (see 6.2).

#### 5.1.1 Level A.

5.1.1.1 Prepackaging (type II and type III fingerprint kits). Any bottle container, either powder or liquid, shall have a self-shrinking cellulose band applied over the screwcap, extending down on the bottle to prevent any loss of contents and any possibility of opening during shipment. Alternatively, in lieu of the cellulose band, secondary closure may be effected by the use of pressure-sensitive plastic film sealing tape, 3/4 inch wide, applied around the screwcap, extending down on the bottle, with the ends of the tape overlapping itself at least 1-inch. All components of the kits shall be placed in their respective compartments provided in the case. Cushioning material shall be used as necessary to prevent any movement or damage while in transit. The kit shall be closed and fastened shut with the draw bolts.

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5.1.1.2 Packaging.

5.1.1.2.1 Type I fingerprint kit. Each type I fingerprint kit shall be packaged in a snug-fitting folding paperboard box conforming to variety 1, style II, type D, class a of PPP-B-566. Box closure shall be in accordance with PPP-B-566.

5.1.1.2.2 Type II and type III fingerprint kits. Each complete kit, pre-packaged as specified in 5.1.1.1, shall be packaged in a snug-fitting fiberboard box conforming to style RSC, type CF, variety SW, or type SF, class domestic of PPP-B-636. The handle and locks of each kit and the card holder of the type II kit shall be protected by means of built-up pads or cells made from the same material as in the box. Each box shall be closed in accordance with method II of the appendix of PPP-B-636.

5.1.2 Level C. The fingerprint kits shall be packaged to afford adequate protection against damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice when it meets this requirement.

5.2 Packing. Packing shall be level A, B, or C, as specified (see 6.2).

5.2.1 Level A. One hundred type I kits, four type II kits, or ten type III kits, packaged as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, V3s of PPP-B-636. Closure, water-proofing by means of tape, and reinforcing with flat strapping or tape banding shall be in accordance with PPP-B-636.

5.2.2 Level B. One hundred type I kits, four type II kits, or ten type III kits, packaged as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, type CF, variety SW, or type SF, class domestic of PPP-B-636. Closure shall be in accordance with method II of the appendix of PPP-B-636. When specified (see 6.2), the shipping container shall be V3c, V3s, or V4s, fabricated and closed in accordance with PPP-B-636.

5.2.3 Level C. Fingerprint kits, packaged as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. Containers shall be in accordance with Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 Marking.

5.3.1 Civil agencies. In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with FED-STD-123.

5.3.2 Military requirements. In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

## 6. NOTES

6.1 Intended use. The type I kit is intended to be used in taking fingerprints directly from fingers. The type II kit is intended as an all purpose latent print investigation kit for on-the-scene investigation and also direct fingerprint taking. The type III kit is intended for use in taking fingerprints after death of the subject.

6.2 Ordering data. Purchasers should select the preferred options permitted herein and include the following information in procurement documents:

- (a) Title, number, and date of this specification.
- (b) Type of kit required (see 1.2).
- (c) Selection of applicable levels of packaging and packing (see 5.1).
- (d) When weather-resistant fiberboard is required for level B packaging (see 5.2.2).

6.3 First article. The first article shall be inspected and approved under the appropriate provisions of ASPR 7-104.55. The first article should be a preproduction sample, initial production item or other specific item described under the definition of a first article in the ASPR. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should make arrangements for inspection and approval of the first article with the US Army Natick Development Center (GL), Natick, MA 01760.

6.4 Supersession data. This specification includes the requirements of US Army Natick Laboratories (GL), Interim Purchase Description IP/DES S-2-4 dated 9 August 1974. The type II kit covered by this specification replaces the type I, type II and type IV kits of MIL-F-11269C. The type III kit replaces the type III kit of MIL-F-11269C.

**Military Custodians:**

Army - GL  
Air Force - 84

**Review activity:**

Army - MD

**User activities:**

Navy - MC, SA, PE

**Preparing activity:**

Army - GL

**Civil Agency Coordinating Activity:**

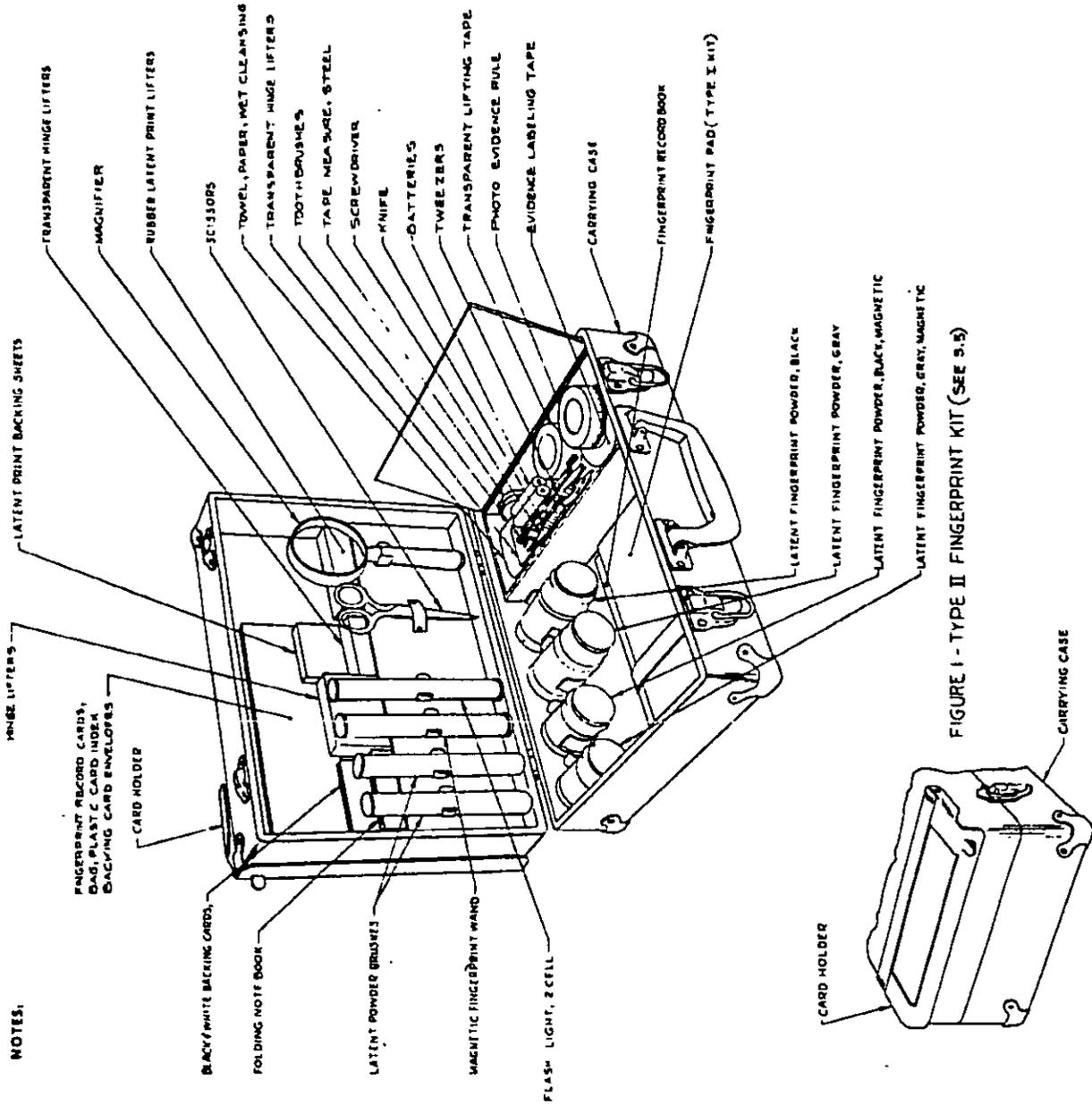
GSA-PSS

Project No. 7520-0157

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Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. See section 2 of this specification to obtain extra copies and other documents referenced herein. Price 40 cents each.

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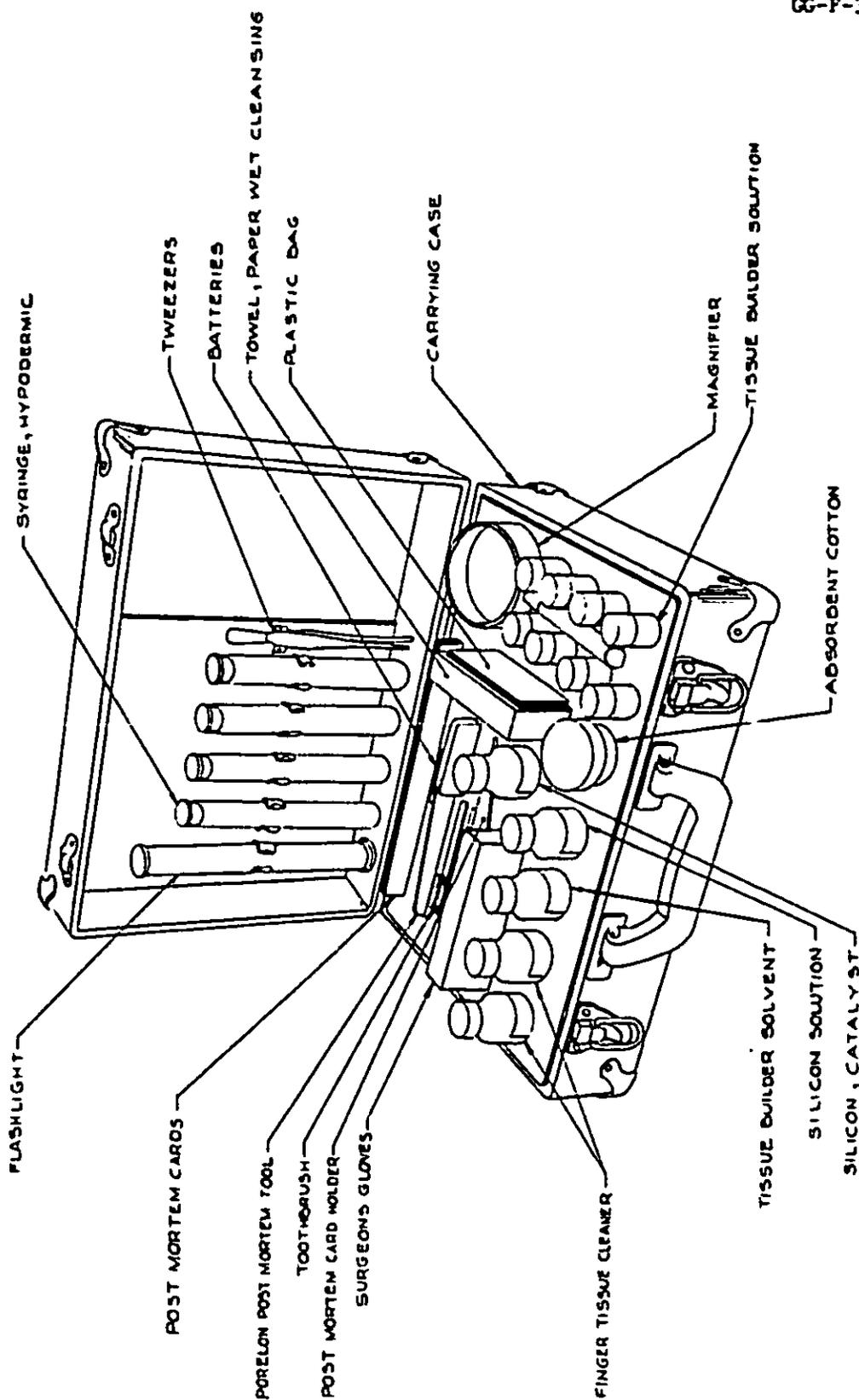


FIGURE 2 TYPE III FINGERPRINT KIT (SEE 3.5)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL		OMB Approval No. 22-R255
<p><b>INSTRUCTIONS:</b> The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document. DoD contractors, government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements. Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity.</p>		
DOCUMENT IDENTIFIER AND TITLE		
GG-F-355A - FINGERPRINT IDENTIFICATION KITS		
NAME OF ORGANIZATION AND ADDRESS		CONTRACT NUMBER
		MATERIAL PROCURED UNDER A
		<input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT
1. HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?		
A. GIVE PARAGRAPH NUMBER AND WORDING.		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE DOCUMENT RESTRICTIVE?		
<input type="checkbox"/> YES <input type="checkbox"/> NO (If "Yes", in what way?)		
4. REMARKS		
SUBMITTED BY (Printed or typed name and address - Optional)		TELEPHONE NO.
		DATE