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MSC-APOLLO-2 Vol. II

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

APOLLO ENGINEERING AND TECHNOLOGY INDEX

VOLUME II. - SYSTEMS INDEX

JANUARY 1968

(THIS ISSUE SUPERSEDES ALL PREVIOUS ISSUES)



MANNED SPACECRAFT CENTER  
HOUSTON, TEXAS

1233510001



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## INTRODUCTION

The Apollo Engineering and Technology Index (AETI) is a computer printout listing a majority of the pertinent design and development reports published by the Apollo spacecraft contractors and the National Aeronautics and Space Administration. This index was designed to aid an engineer searching for reports that relate to engineering developments, decisions, design approaches, and problems encountered in the evolution of his project.

The complete AETI consists of three volumes: Volume I, Corporate Author Index, is an alphabetical listing, by corporate source, of contractor reports; Volume II, Systems Index, separates the published engineering reports by systems with a further breakdown into subsystems and major equipment groups; Volume III, Configurations Index, is a listing of documents grouped by configuration. A configuration is an equipment group assembled for a unique mission. Examples are: Boilerplates (BP-1), Missions (AS-201), NAA Air Frames (AF-001), Grumman Configurations (LTA-8), or NAA Spacecraft (SC008).

The Apollo Systems Chart lists equipment by three categories; (1) Airborne/Spaceborne Equipment, (2) Direct Ground Support Equipment, and (3) Miscellaneous, Support, General, and Related Equipment. These equipment categories are divided into systems; the systems are divided into subsystems, and the subsystems are divided further into major equipment groups. In the Table of Contents, the systems are printed flush with the margin; the subsystems are indented two spaces, and the major equipment groups are indented five spaces.

The documents listed in this index (Volume II) can be obtained for reference from the MSC library which is located on the first floor of building 45, Manned Spacecraft Center, Houston, Texas. To locate and obtain a document, either the MSC accession number or the contractor's report number can be used. Since the MSC accession number quickly gives the location of the document, it will be used whenever possible.

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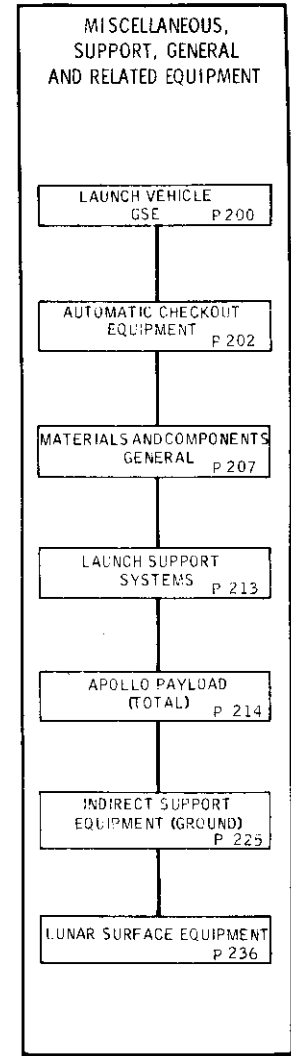
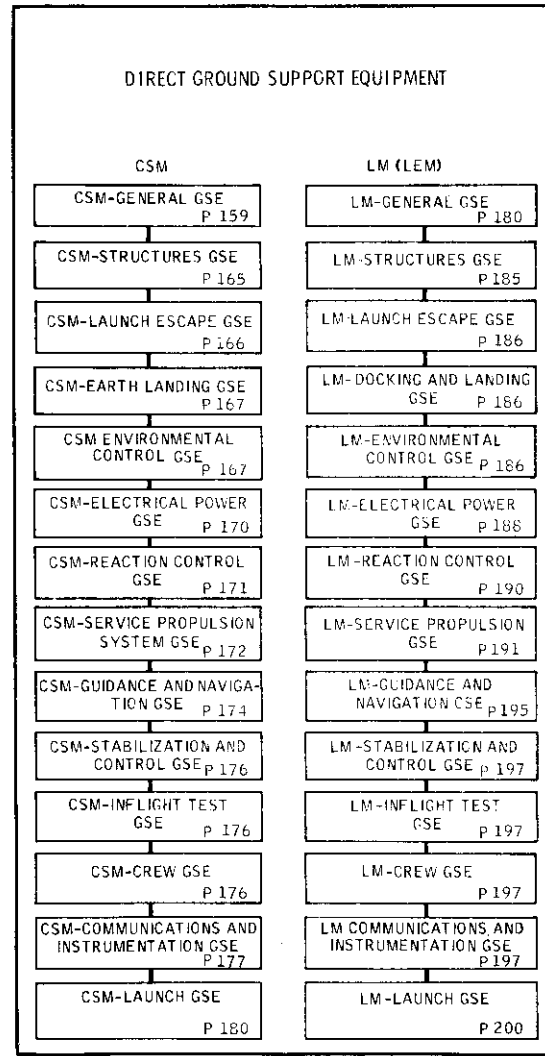
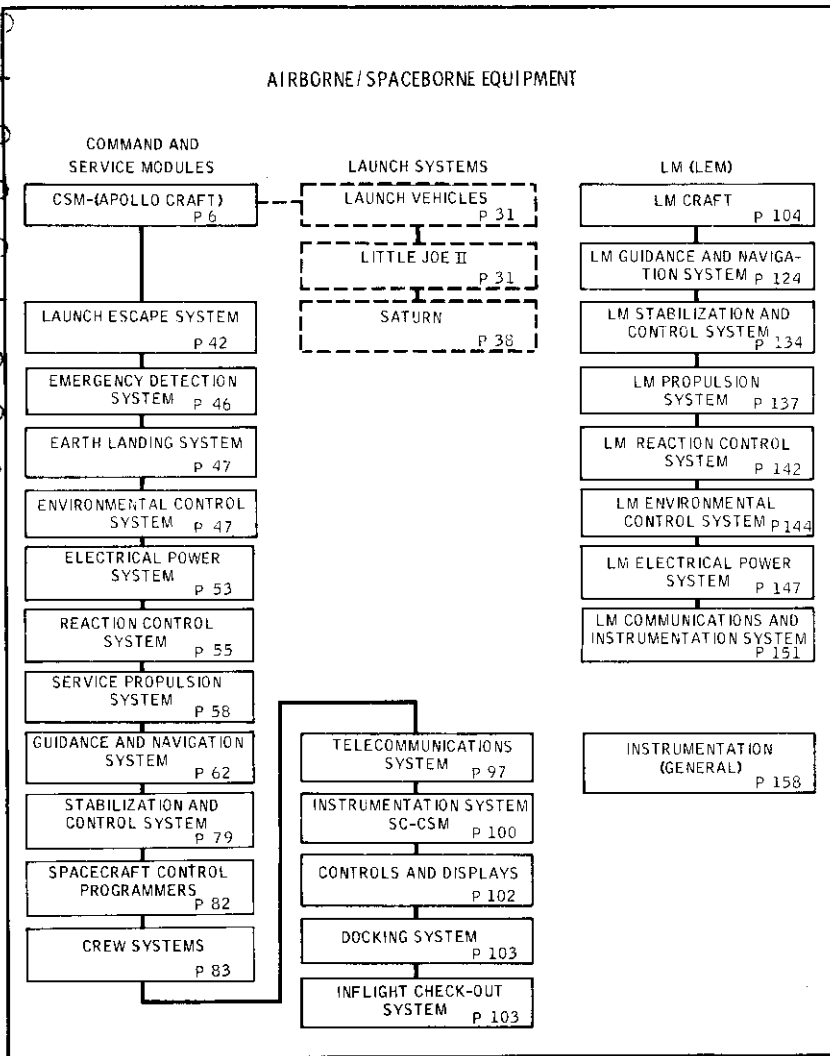
Permanent loan copies of any document listed in this index can be obtained on approval of Mr. Herbert L. Tash, Apollo Data Manager, Code PP3, Manned Spacecraft Center, Houston, Texas. All requests for documents will be via a Request for Apollo Documentation (RAD) form or by memo. Additional copies of this index may also be obtained from The Apollo Data Manager. MSC personnel and their local support contractor personnel can obtain additional information by calling extension 2198.

This index, Volume II, is a complete listing of all documents currently indexed that contain information on any of the three equipment categories listed above. In the future the index will be compiled quarterly and will contain only those documents received during that quarter.

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# APOLLO SYSTEMS CHART

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SEE TABLE OF CONTENTS FOR BREAKDOWN TO MAJOR EQUIPMENT GROUP



## INSTRUCTIONS

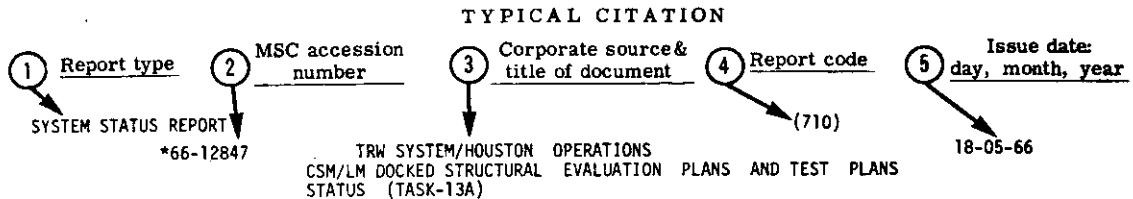
To use the Systems Index, the following procedure is recommended:

A. Using the Apollo Systems Chart, locate the desired system (or systems) and page number. (See Table of Contents for a more complete alphabetical breakdown to Major Equipment Group level.)

B. Note the MSC accession number of the report.

C. Give the MSC accession number to the librarian who will locate the report. (If possible give the entire citation to the librarian to aid her in locating similar reports for you.)

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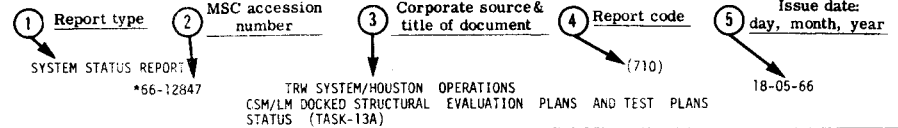


- ① The report type is the generic name of the report as called out in the contract exhibit.
- ② The MSC accession number indicates to the librarian the shelf position of the document. This number should be used to obtain a document from the MSC library.
- ③ The corporate source is the contractor or government agency that published the report.
- ④ The report code is a number that applies to a report type. The report types are assigned series numbers in order of their engineering importance (e.g., the 100 series, Specifications; and the 700 series, Progress Reports and Data). A complete listing of report types is shown on page 237. In the text, the report type groups are separated by dotted lines.
- ⑤ The issue date is the date the report was printed. (Revised reports are assigned new issue dates.)

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# SYSTEMS INDEX

TYPICAL CITATION



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\*66-11891 NORTH AMERICAN AVIATION, INC./SID  
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\*65-11062 NORTH AMERICAN AVIATION, INC./SID  
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\*66-12000 NORTH AMERICAN AVIATION, INC./SID  
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\*65-10805 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11065 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11188 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11208 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11213 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11215 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11216 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11220 NORTH AMERICAN AVIATION, INC./SID  
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\*65-11221 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11222 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11238 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11244 NORTH AMERICAN AVIATION, INC./SID  
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\*66-11283 NORTH AMERICAN AVIATION, INC./SID  
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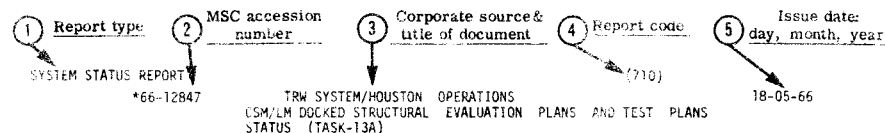
\*66-11291 NORTH AMERICAN AVIATION, INC./SID  
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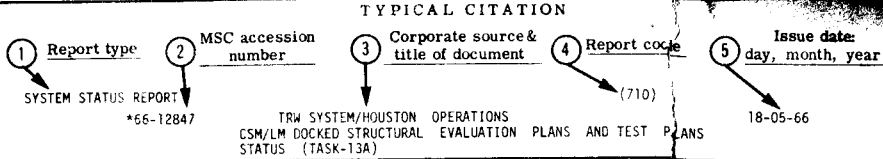
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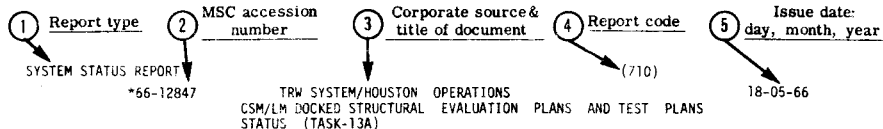
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\*66-12005 NORTH AMERICAN AVIATION, INC./SID  
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\*66-12006 NORTH AMERICAN AVIATION, INC./SID  
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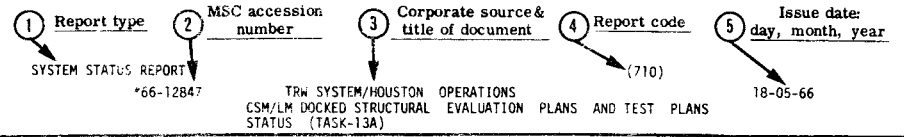
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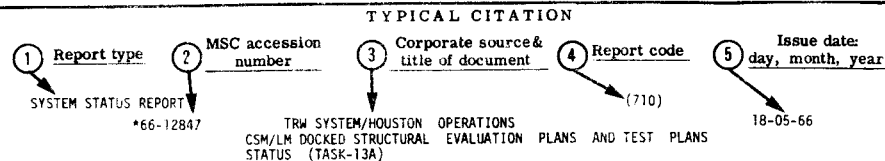
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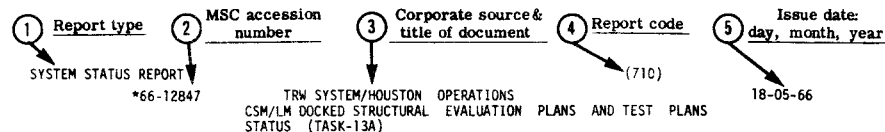
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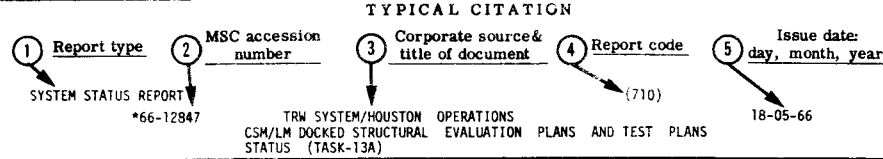
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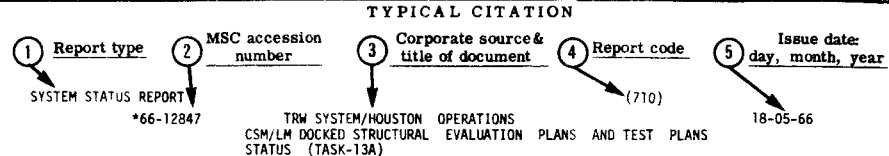
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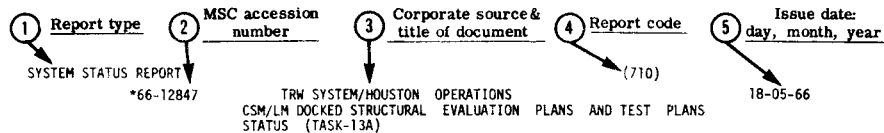


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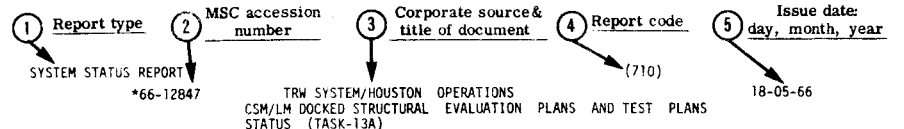
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## Structures

## heat shield

## CSM (APOLLO CRAFT) - Continued

## Structures

## heat shield

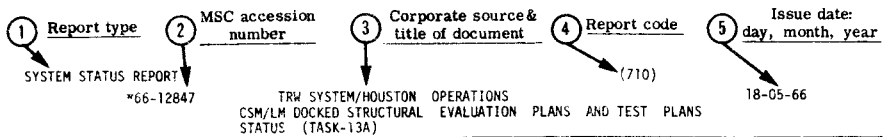
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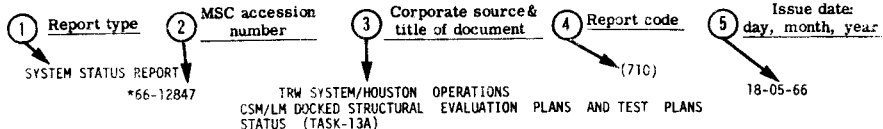
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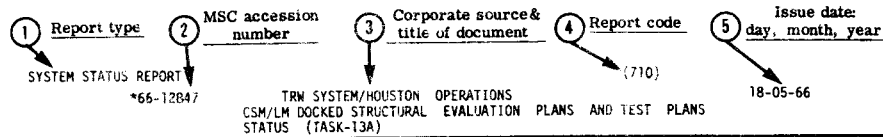


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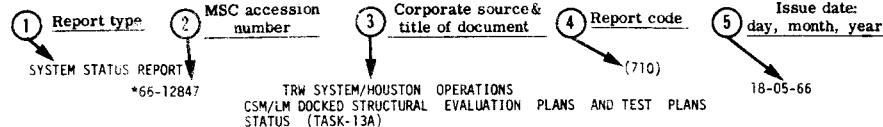
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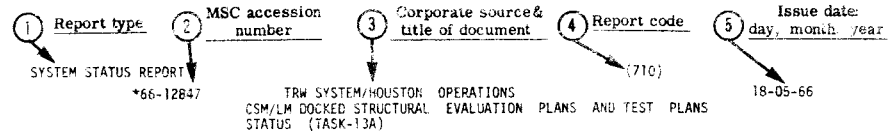
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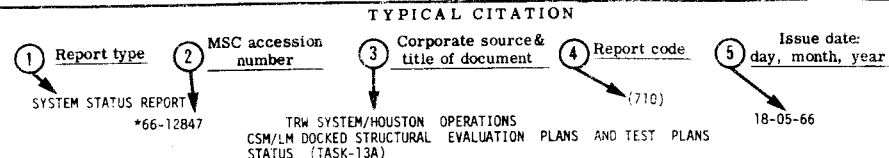
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Saturn

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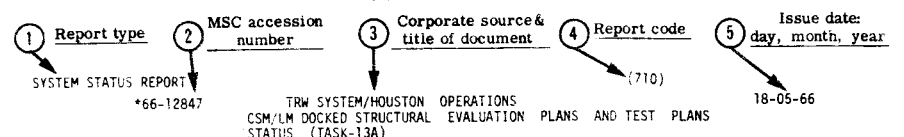
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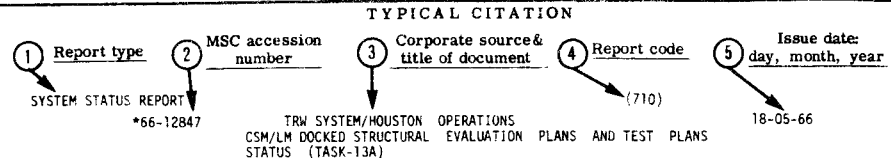
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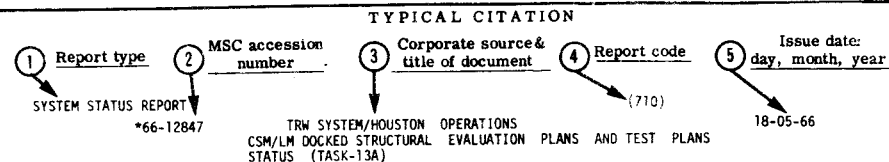
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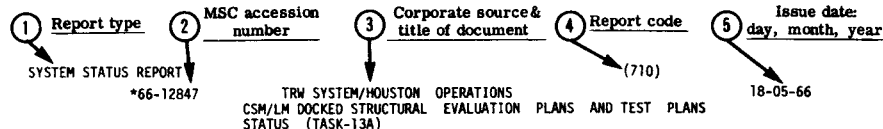
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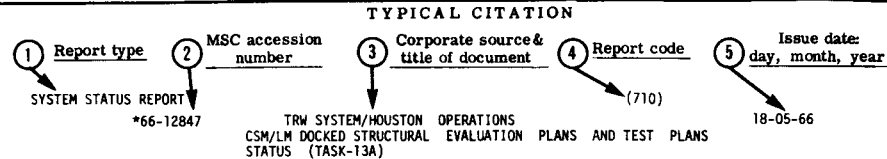
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## ENVIRONMENTAL CONTROL SYSTEM - Continued

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\*67-14764 GARRETT CORP./AIRESEARCH MFG. DIV. 01-12-65  
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\*67-15445 GARRETT CORP./AIRESEARCH MFG. DIV. 12-04-65  
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\*67-15446 GARRETT CORP./AIRESEARCH MFG. DIV. 17-03-66  
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\*67-15447 GARRETT CORP./AIRESEARCH MFG. DIV. 01-03-66  
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\*67-15448 GARRETT CORP./AIRESEARCH MFG. DIV. 18-02-65  
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\*67-15450 GARRETT CORP./AIRESEARCH MFG. DIV. 12-02-65  
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\*67-15454 GARRETT CORP./AIRESEARCH MFG. DIV. 07-02-66  
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\*67-15455 GARRETT CORP./AIRESEARCH MFG. DIV. 12-02-65  
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\*67-15457 GARRETT CORP./AIRESEARCH MFG. DIV. 24-08-66  
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\*67-15458 GARRETT CORP./AIRESEARCH MFG. DIV. 28-02-66  
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\*67-15460 GARRETT CORP./AIRESEARCH MFG. DIV. 04-10-65  
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\*67-15529 GARRETT CORP./AIRESEARCH MFG. DIV. 08-02-67  
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\*67-15531 GARRETT CORP./AIRESEARCH MFG. DIV. 29-07-66  
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\*67-15532 GARRETT CORP./AIRESEARCH MFG. DIV. 00-00-00  
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\*67-15536 GARRETT CORP./AIRESEARCH MFG. DIV. 19-01-66  
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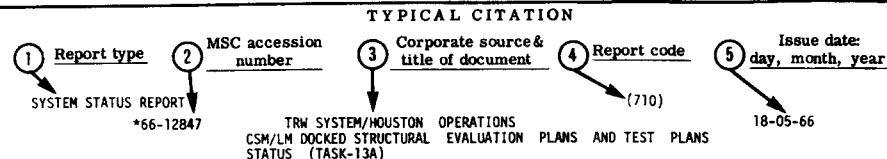
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\*67-15901 GARRETT CORP./AIRESEARCH MFG. DIV. 29-06-66  
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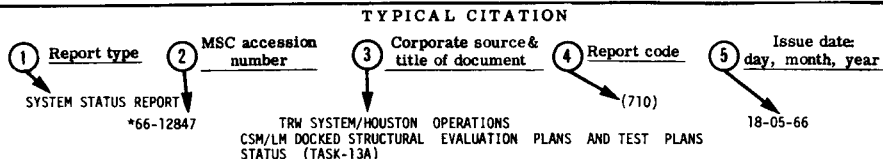
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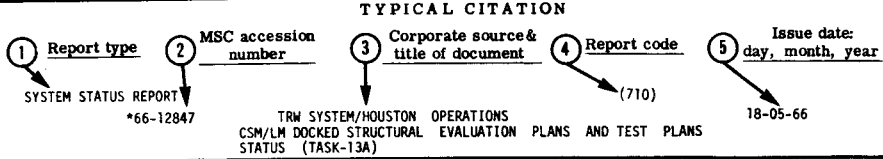
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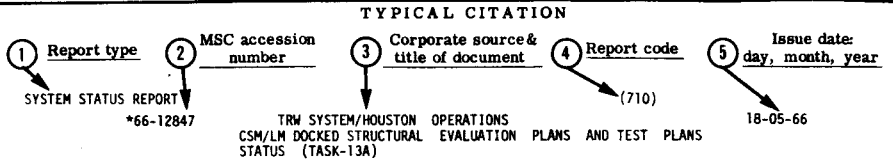
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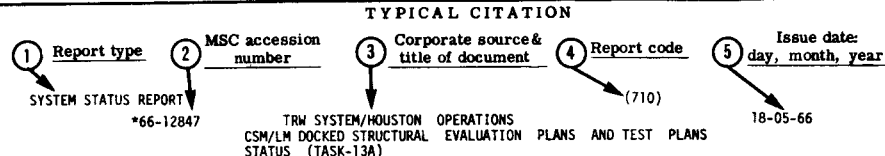
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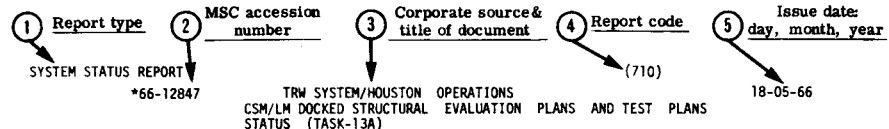
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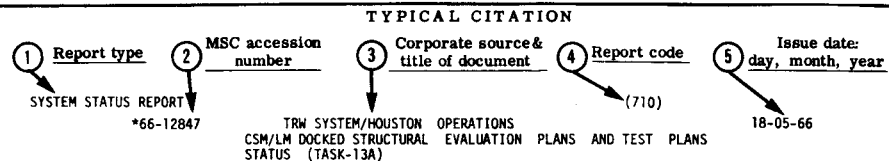
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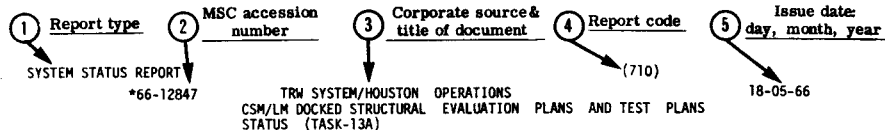
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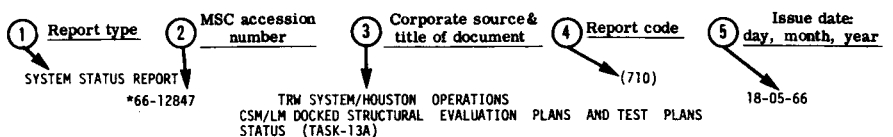
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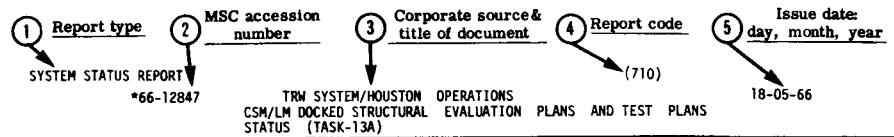
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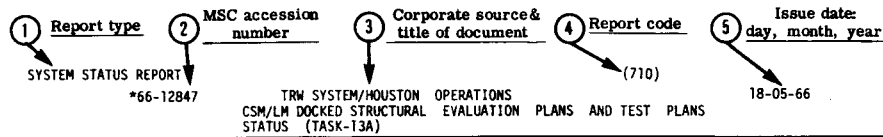
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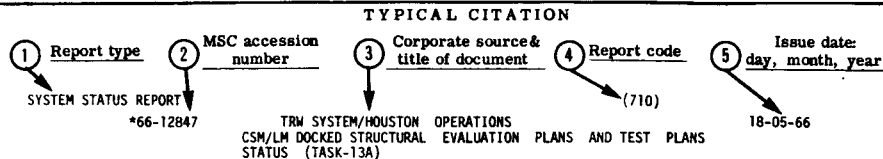
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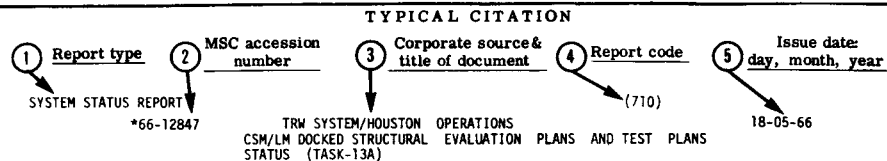
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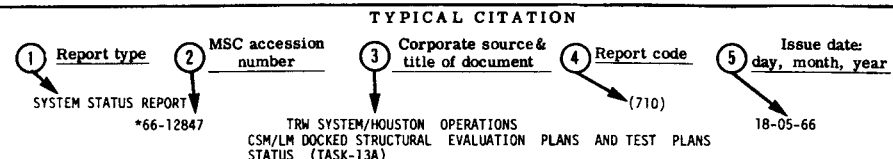
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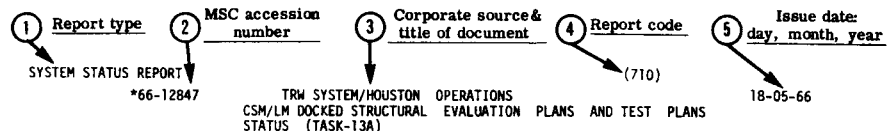
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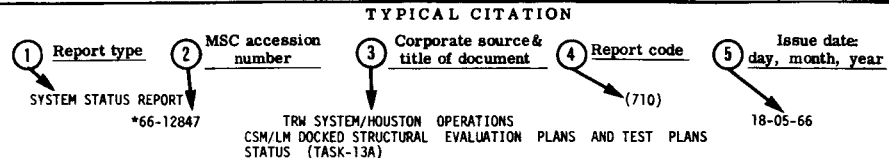
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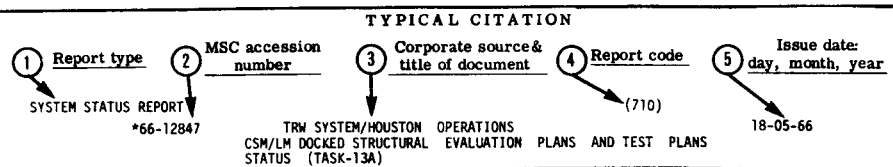


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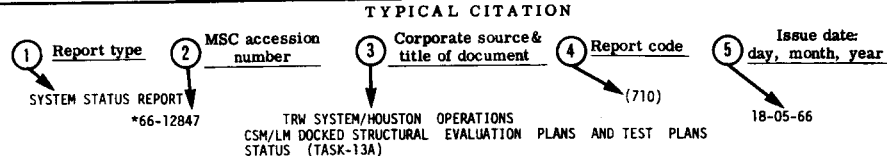
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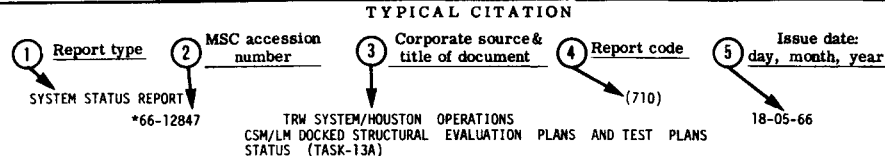
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Personal Equipment

space suit umbilical, hose/tether line

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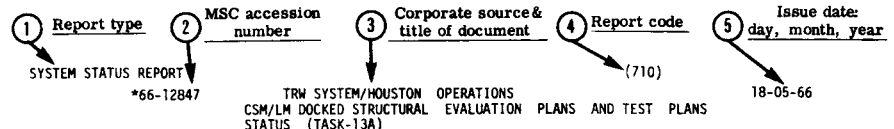
Personal Equipment

space suit umbilical, hose/tether line

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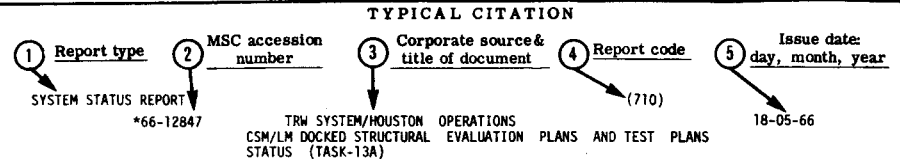
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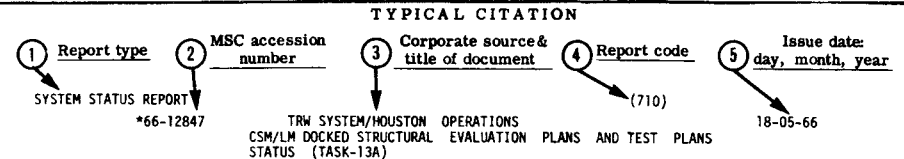
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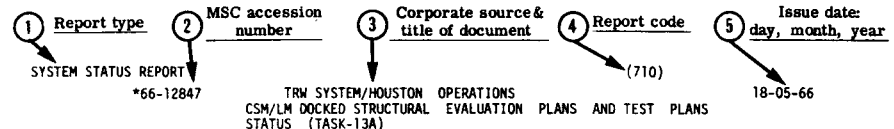


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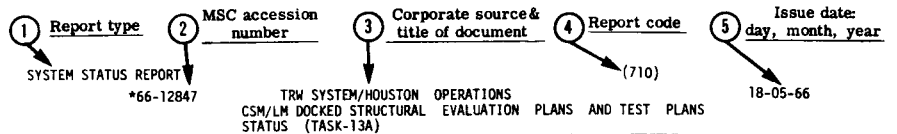
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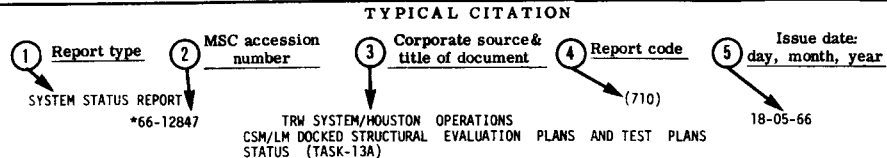
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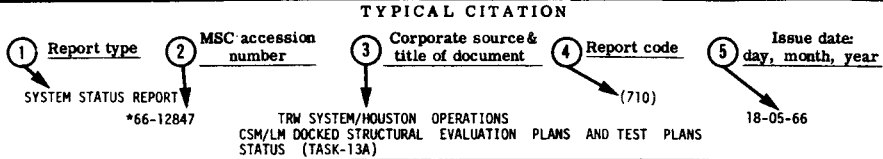
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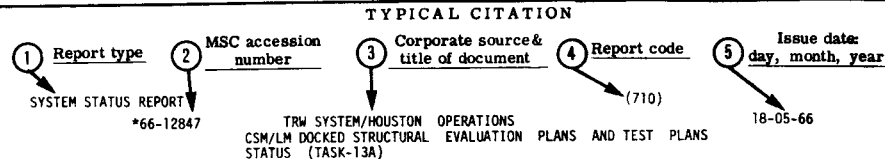
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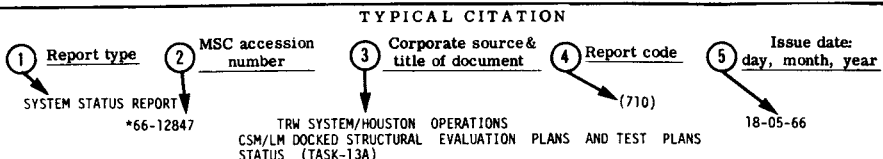
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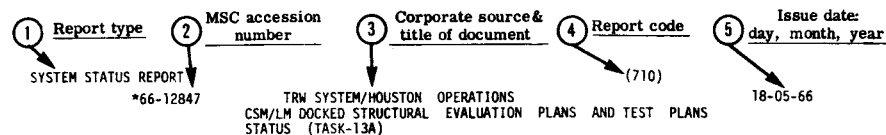
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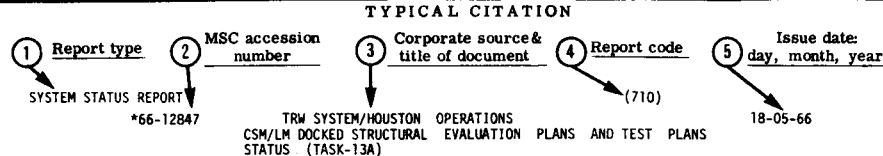
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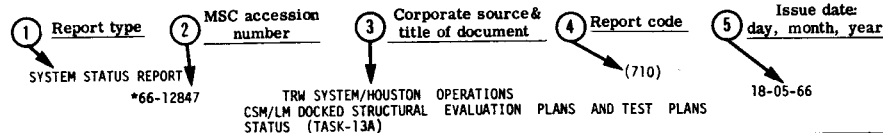
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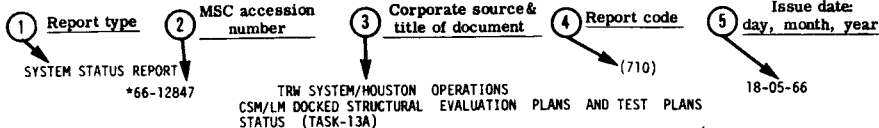
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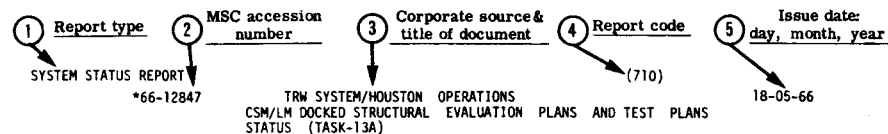
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## Ascent Stage

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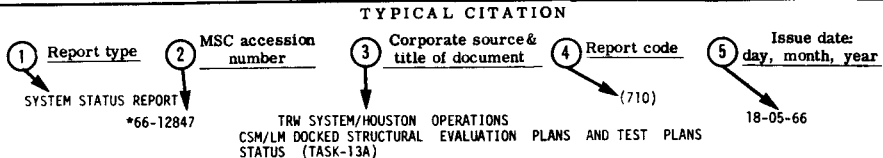
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## LEM CRAFT - Continued

## Descent Stage

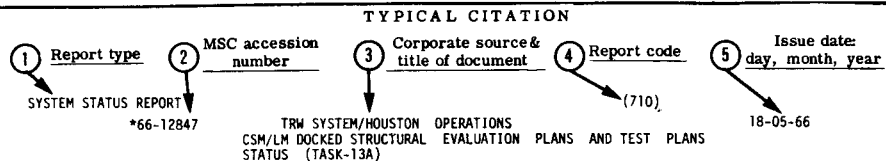
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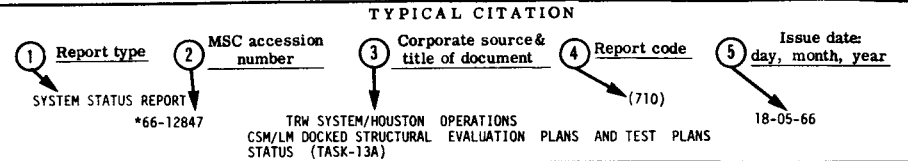
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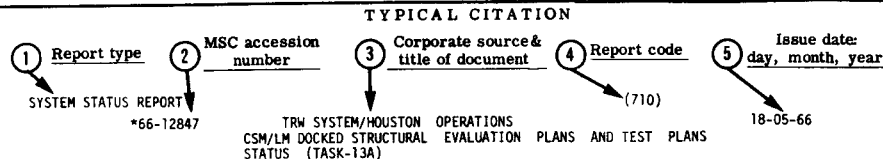
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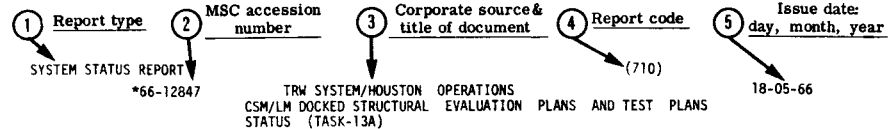
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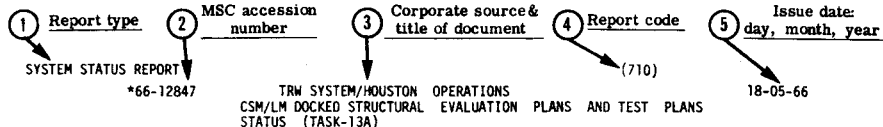
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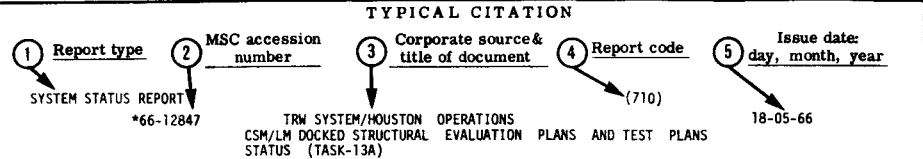
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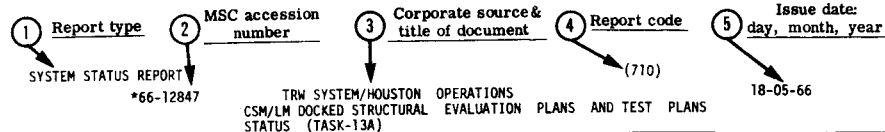
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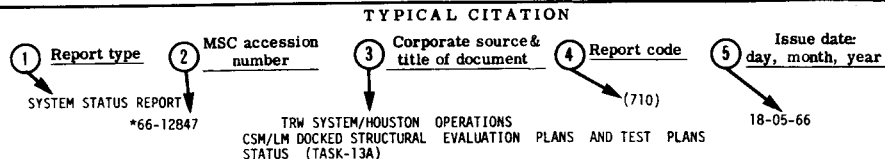
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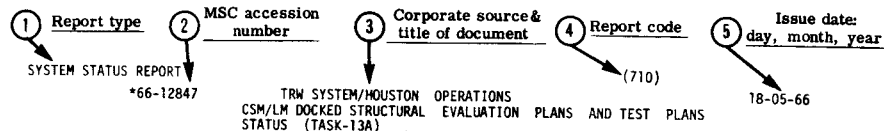
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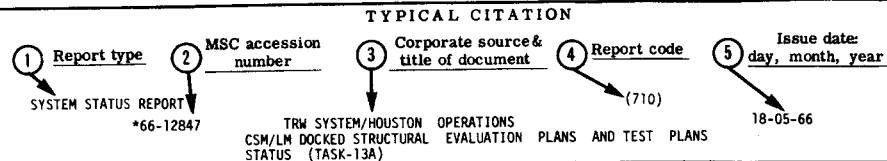
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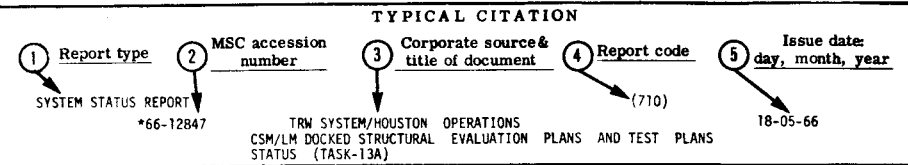
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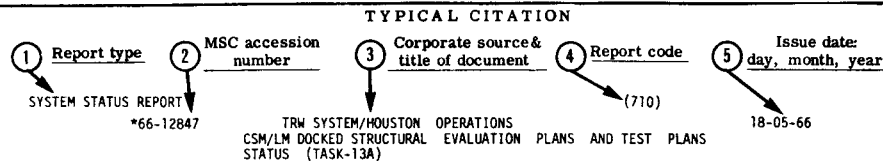
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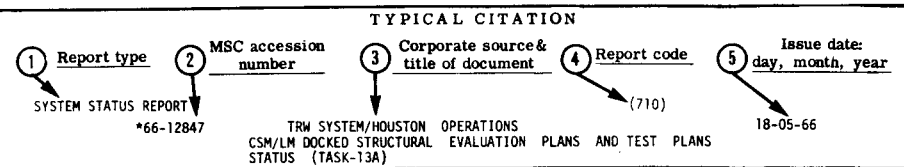
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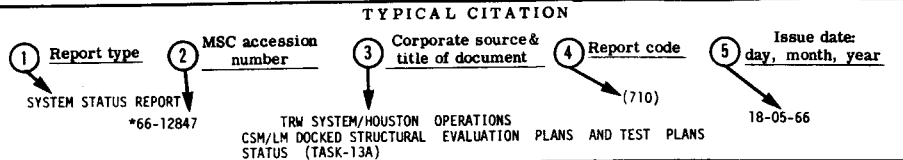
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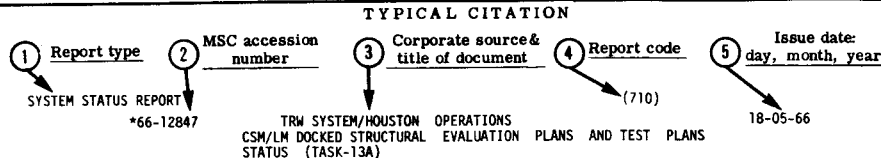
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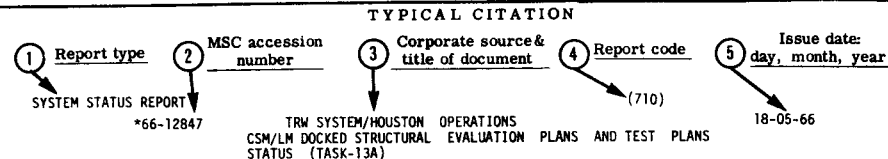
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*66-11896	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR LAUNCH ESCAPE TOWER SUBSTITUTE UNIT (MODEL A14-001) 21-06-63
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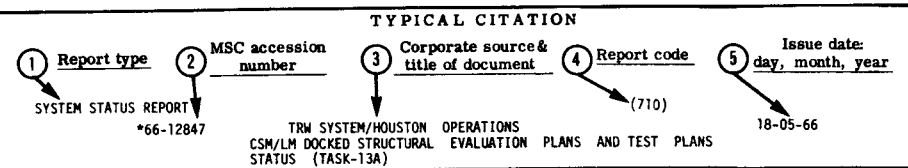
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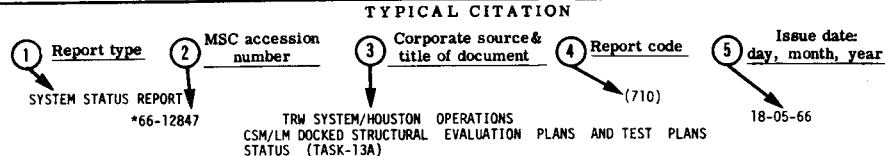
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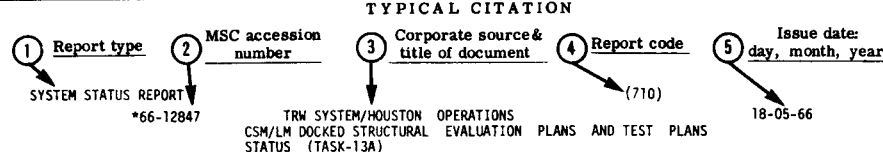
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*66-11550	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-TESTING/SERVICE EQUIPMENT-CSM-ENVIRONMENTAL SYSTEM SUPPORT-(NOT MISSION ESSENTIAL) (1963-1965)	00-07-65
*66-11593	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-PROTECTIVE COVERS-CSM-ENVIRONMENTAL SYSTEM SUPPORT, (NOT MISSION ESSENTIAL)	00-00-64
*66-11594	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-ADAPTERS AND INSTALLATION EQUIPMENT-CSM-ENVIRONMENTAL SYSTEM SUPPORT, (NOT MISSION ESSENTIAL)	00-00-63
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1233510017

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## CSM - Environmental Control GSE

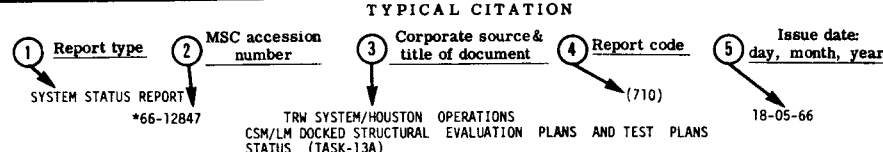
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SUBSYSTEM: CSM - Environmental Control GSE  
MAJOR EQUIPMENT GROUP:

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*66-11926	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR MODULE LEAK TEST UNIT MODEL S14-079	05-05-65
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SUBSYSTEM: CSM - Electrical Power GSE  
MAJOR EQUIPMENT GROUP:

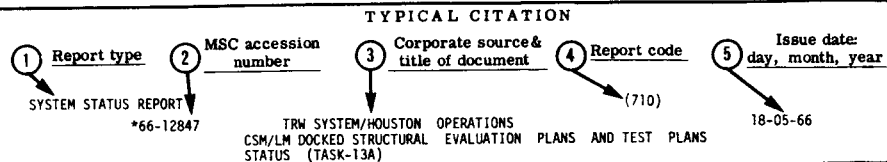
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*65-10241	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS FUEL CELL SUPPORT, SPECIAL TEST UNIT, (MODEL C14-601)	14-05-65
*65-10245	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS CRYOGENICS OXYGEN SERVICING CONSOLE SPECIAL TEST UNIT	25-06-65
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*66-12639	NORTH AMERICAN AVIATION, INC./SID APOLLO SUPPORT EQUIPMENT MAINTENANCE HANDBOOK, LO2 TRANSFER UNIT, MODEL S14-032	01-06-65
*66-12672	NORTH AMERICAN AVIATION, INC./SID GSE FUEL CELL POWER PLANT WATER/GLYCOL SERVICING UNIT MODEL S14-054	10-09-64
*66-12673	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS POWER DISTRIBUTION CONSOLE MODEL C14-418	16-04-65
*66-12675	NORTH AMERICAN AVIATION, INC./SID APOLLO SUPPORT EQUIPMENT MAINTENANCE FUEL CELL RADIATOR SUBSTITUTE UNIT MODEL A14-059	10-09-64
*65-12679	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS LOAD BANK-ELECTRICAL MODEL A14-074	16-04-65
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*66-12685	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS FUEL CELL SUBSTITUTE UNIT MODEL A14-084	09-04-65
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*66-12699	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE OPERATION AND SERVICE INSTRUCTIONS GROUND POWER DISTRIBUTION UNIT MODEL C14-481-201	04-06-65
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*66-11360	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPECIFICATION FOR LOAD BANK-ELECTRICAL MODEL A14-074 (101 MODIFICATION)	11-05-65
*66-11368	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPECIFICATION FOR DISTRIBUTION UNIT-GROUND POWER MODEL C14-481 (301 MODIFICATION)	22-06-65
*66-11399	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPECIFICATION FOR DISTRIBUTION UNIT-GROUND POWER MODEL C14-481 (1-201 MODIFICATION)	09-07-65
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*66-10926	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR RCS VALVE DRIVER AND MONITOR CSL GROUP MODEL C14-483 (ADDENDA III)	05-11-65
*66-11003	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR DEACTIVATION UNIT, COLD REACTION CONTROL SYSTEM MODEL S14-138	07-12-65
*66-11026	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPECIFICATION FOR DEACTIVATION UNIT, FUEL, REACTION CONTROL SYSTEM MODEL S14-137	07-12-65
*66-11518	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR HANDLING AND INSTALLATION SET-RCS MODEL L NO H14-098	02-10-63
*65-11596	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-SENSOR SET ASSEMBLIES-CSM-REACTION CONTROL SYSTEM SUPPORT, (NOT MISSION ESSENTIAL)	00-12-64
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*67-14170	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPECIFICATION FOR CONTROL CONSOLE-RECORDER INTERFACE MODEL C14-650	08-05-67
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*65-10250	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS RCS VALVE DRIVER AND MONITOR UNIT	17-04-65
*65-10256	NORTH AMERICAN AVIATION, INC./SID REACTION CONTROL SYSTEM FUEL SERVICING UNIT, MODEL S14-063 FOR SM. MODEL S14-064 FOR CM. MAINTENANCE MANUAL	01-06-65

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*66-12687	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS REACTION CONTROL SYSTEM OXIDIZER UNIT MODEL S14-057	01-06-65
*66-12696	NORTH AMERICAN AVIATION, INC./SID APOLLO GROUND SUPPORT EQUIPMENT OPERATION AND SERVICE INSTRUCTIONS REACTION CONTROL SYSTEM, VALVE DRIVER AND MONITOR UNIT MODEL C14-443	26-03-65
*66-12752	NORTH AMERICAN AVIATION, INC./SID GSE MAINTENANCE HANDBOOK-PROPELLANT GAGING SYSTEM BENCH MAINTENANCE EQUIPMENT MODEL C14-167, C14-454	14-09-65
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*66-11424	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPEC. REACTION CONTROL SYSTEM-CSM-SM-OXIDIZER AND FUEL SERVICING UNITS MODELS S14-064, S14-057, S14-C63, MCD KITS	15-04-65
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*66-11391	NORTH AMERICAN AVIATION, INC./SID GSE DETAIL END ITEM SPECIFICATION FOR FLUID DISTRIBUTION SYSTEM MODEL S14-038 (ADDENDA-MCD KITS I-III)	19-02-65
*66-11357	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPEC. FOR CONSOLE-SERVICE PROPELLSION SYSTEM, REMOTE CONTROL UNIT MODEL C14-455 (1-101 MODIFICATION) ADDENDA (MOD KIT I)	05-02-65
*66-11423	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPEC FOR SERVICE PROPELLSION OXIDIZER AND FUEL TRANSFER AND CONDITIONING UNIT MODELS S14-002 AND S14-008	01-09-64
*66-11500	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION CABLE SET-ELECTRICAL, AIRFRAME 001 MODEL C14-493	29-01-65
*66-11501	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR CONSOLE ASSEMBLY-PROPELLSION SYSTEM FLUID CHECKOUT UNIT MODEL C14-075 (1-101 MODIFICATION)	10-03-65
*66-11520	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-SERVICE PROPELLSION SYSTEM ENGINE SUPPORT (1963-1964)	00-00-64
*66-11521	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-FLUID DISTRIBUTION SYSTEM CONTROL UNITS-SPS OXIDIZER AND FUEL-MODELS C-14-444/5	14-01-64

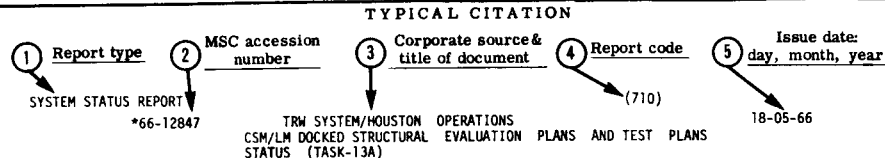
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*66-11522	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-ELECTRICAL TERMINAL DISTRIBUTORS, CSM-SERVICE PROPELLSION SUPPORT, (NOT MISSION ESSENTIAL) (1965-1966)	00-00-66
*66-11541	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION-TERMINAL DISTRIBUTOR SET, ELECTRICAL-EXTERNAL-MODEL C14-579	14-04-65
*66-11542	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-CONTROL CHECKOUT/SIMULATION UNITS-CSM-SERVICE PROPELLSION SUPPORT-(NOT MISSION ESSENTIAL) (1964-1965)	00-00-65
*66-11543	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-NOZZLE SIMULATION AND POSITIONING-CSM-SERVICE PROPELLSION SUPPORT-(NOT MISSION ESSENTIAL)	00-00-65
*66-11544	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-TRANSPORTATION/HANDLING EQUIPMENT-CSM-SERVICE PROPELLSION SUPPORT-(NOT MISSION ESSENTIAL) (1965-1966)	10-03-66
*66-11545	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-CONTROL UNITS-NOZZLE SIMULATOR AND COVER-CSM-SERVICE PROPELLSION SUPPORT-(NOT MISSION ESSENTIAL) (1964-1965)	07-00-65
*66-11546	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-TRANSPORTATION/HANDLING AND ACCESS EQUIPMENT-CSM-SERVICE PROPELLSION SUPPORT-(NOT MISSION ESSENTIAL) (1964-1965)	00-00-65
*66-11547	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATIONS-ELECTRICAL TERMINAL DISTRIBUTORS-CSM-SERVICE PROPELLSION SUPPORT-(NOT MISSION ESSENTIAL)	00-00-65
*66-11924	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR ALIGNMENT SET, SERVICE PROPELLSION ENGINE MODEL C14-017	13-01-64
*66-11929	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR PROTECTIVE PRESSURIZATION UNIT ASSEMBLY MODEL S14-099	26-04-65
*66-12073	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR CONSOLE ASSEMBLY-PROPELLSION TEST COMPLEX CONTROL MODEL C14-496	25-10-65
*66-12074	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR CONSOLE GROUP-PROPELLSION TEST COMPLEX, SERVICE JUNCTION BOXES MODEL C14-498	08-04-65
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*67-14980	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPEC. FOR FLUID DISTRIBUTION SYSTEM-VEHICLE ASSEMBLY BUILDING, BAY 2-MODEL S14-128 (1-201 MODIFICATION)	09-06-67
*67-15241	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPEC. FOR ADAP. UNIT-CHECKOUT, PROPELLANT UTILIZATION-GAUGING SYS. SERVICE SPS. SYSTEM MODEL C14-352 (1-101 MODIFICATION)	13-06-67
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*65-10231	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS SERVICE PROPULSION SYSTEM CHECKOUT AND FIRING UNIT MODEL C14-602	21-05-65
*65-10247	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS PROPULSION SYSTEM CHECKOUT UNIT, MODEL C14-075	21-05-65
*66-11994	NORTH AMERICAN AVIATION, INC./SID GSE ENGINE DECONTAMINATION UNIT MODEL S14-070 MAINTENANCE MANUAL	01-05-65
*66-12635	NORTH AMERICAN AVIATION, INC./SID APOLLO SUPPORT EQUIPMENT MAINTENANCE HANDBOOK	15-10-65
*66-12637	NORTH AMERICAN AVIATION, INC./SID APOLLO SUPPORT EQUIPMENT MAINTENANCE HANDBOOK, HELIUM TRANSFER UNIT MODEL S14-009	15-03-65
*65-12663	NORTH AMERICAN AVIATION, INC./SID GSE OXIDIZER TRANSFER AND CONDITIONING UNIT MODEL S14-002 MAINTENANCE MANUAL	01-05-65
*66-12664	NORTH AMERICAN AVIATION, INC./SID FUEL TRANSFER AND CONDITIONING UNIT MODEL S14-008 MAINTENANCE MANUAL	01-05-65
*66-12677	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS SERVICE PROPULSION SYSTEM REMOTE CONTROL UNIT MODEL C14-455	30-04-65
*66-12681	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS TOXIC PROPELLANT VAPOR DISPOSAL UNIT, TYPE I FUEL MODEL S14-060, TYPE II OXIDIZER MODEL S14-061	18-06-65
*66-12684	NORTH AMERICAN AVIATION, INC./SID APOLLO GROUND SUPPORT EQUIPMENT OPERATION SERVICE INSTRUCTIONS FUEL PRESSURIZATION UNIT MODEL C14-458	09-04-65
*66-12688	NORTH AMERICAN AVIATION, INC./SID GSE FUEL TRANSFER AND CONDITIONING UNIT MODEL S14-008 MAINTENANCE MANUAL	25-11-64
*66-12689	NORTH AMERICAN AVIATION, INC./SID GSE OXIDIZER TRANSFER AND CONDITIONING UNIT MODEL S14-002 MAINTENANCE MANUAL	25-11-64
*66-12698	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS FUEL READY STORAGE UNIT-MODEL S14-058 AND OXIDIZER READY STORAGE UNIT MODEL S14-059	11-06-65
*66-12700	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION SERVICE INSTRUCTIONS-SERVICE PROPULSION SYSTEM-REMOTE CONTROL UNIT MODEL C14-455	18-06-65
*66-12703	NORTH AMERICAN AVIATION, INC./SID GSE OPERATION AND SERVICE INSTRUCTIONS TOXIC PROPELLANT VAPOR DISPOSAL UNIT, (FUEL, MODEL S14-060, OXIDIZER, MODEL S14-061)	16-12-67
*66-12735	NORTH AMERICAN AVIATION, INC./SID SUPPORT EQUIPMENT MAINTENANCE HANDBOOK FUEL READY STORAGE UNIT MODEL S14-058	26-06-64
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*66-13525	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE, MONTHLY PROGRESS REPORT (U)	30-09-65
*66-13526	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE, MONTHLY PROGRESS REPORT (U) (PERIOD ENDING 15 OCTOBER 1965)	31-10-65
*66-13527	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE, MONTHLY PROGRESS REPORT (U) (PERIOD ENDING 15 NOVEMBER 1965)	30-11-65
*66-13528	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ROCKET ENGINE, MONTHLY PROGRESS REPORT (U)	15-07-64
*66-13665	AEROJET-GENERAL CORP. APOLLO SERVICE MODULE ENGINE MONTHLY PROGRESS REPORT (U) (PERIOD ENDING 15 MAR. 1965)	30-03-64
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*67-13842	NORTH AMERICAN AVIATION, INC./SID SERVICE PROPULSION SUBSYSTEM TEST REQUIREMENTS, F2A TEST FIXTURE	14-11-66
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*66-11339	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPECIFICATION FOR DETECTOR SET-HYDROGEN LEAK, PORTABLE MODEL S14-098	15-07-65
*66-11344	NORTH AMERICAN AVIATION, INC./SID PROJECT APOLLO GSE END ITEM SPECIFICATION FOR SERVICE PROPULSION OXIDIZER TRANSFER AND CONDITIONING UNIT MODEL S14-002 (MODIFICATION 201)	12-02-65
*66-11352	NORTH AMERICAN AVIATION, INC./SID PROJECT APOLLO GSE END ITEM SPECIFICATION FOR SERVICE PROPULSION FUEL TRANSFER AND CONDITIONING UNIT MODEL S14-008 (MODIFICATION 201)	21-04-65
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*66-11401	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPEC. FOR ENGINE DECONTAMINATION UNIT MODEL S14-070	00-04-64
*66-11927	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR CONTROL UNIT FLUID DISTRIBUTION SYSTEM SPS OXIDIZER MODEL C14-688	09-10-64
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*66-11443	NORTH AMERICAN AVIATION, INC./SID APOLLO GSE END ITEM SPECIFICATION CARLE SET - ELECTRICAL, PORTABLE, GUIDANCE AND NAVIGATION MODEL C14-452	14-10-65
*66-11928	NORTH AMERICAN AVIATION, INC./SID END ITEM SPECIFICATION FOR SUPPORT ASSEMBLY-COMMAND MODULE OPTICAL ALIGNMENT (MODEL A14-135)	16-02-65
*65-11940	NORTH AMERICAN AVIATION, INC./SID END ITEM SPECIFICATION FOR SET ASSEMBLY-HANDLING G/N EQUIPMENT MODEL H14-180	01-03-65
*66-11977	NORTH AMERICAN AVIATION, INC./SID GSE END ITEM SPECIFICATION FOR STAND ASSEMBLY-ACCESS, GUIDANCE AND NAVIGATION OPTICS MODEL H14-215	21-07-65
*66-12062	KOLLSMAN INSTRUMENT CORP. PROCUREMENT SPECIFICATION FOR THE MAP AND DATA VIEWER TESTER	04-09-64
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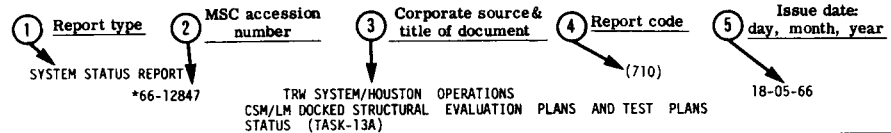


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\*66-12661 NORTH AMERICAN AVIATION, INC./SID 11-06-65  
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\*65-10071 NORTH AMERICAN AVIATION, INC./SID 21-06-63  
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\*65-10072 NORTH AMERICAN AVIATION, INC./SID 16-01-64  
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\*66-11549 NORTH AMERICAN AVIATION, INC./SID 00-00-65  
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\*66-11579 NORTH AMERICAN AVIATION, INC./SID 00-00-65  
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\*67-14865 PHILCO CORP. / WDL DIV. 16-02-66  
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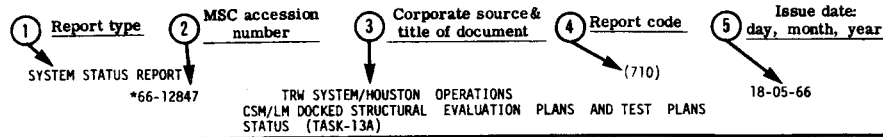
\*67-16430 GARRETT CORP. / AIRESEARCH MFG. DIV. 15-02-66  
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\*67-16430 GARRETT CORP. / AIRESEARCH MFG. DIV. 15-02-66  
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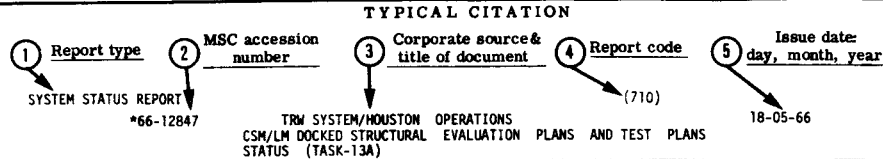
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## LEM - General GSE

## LEM/GSE - Continued

## LEM - General GSE

## GSE SUPPORT EQUIPMENT SPECIFICATION

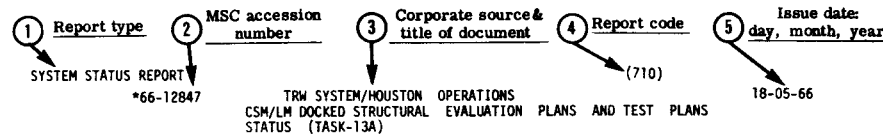
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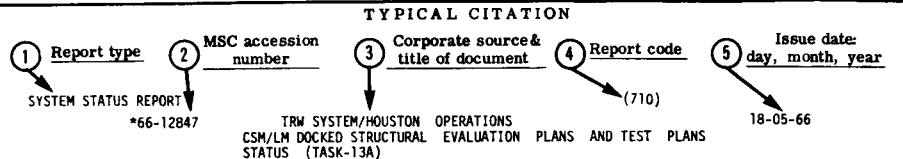
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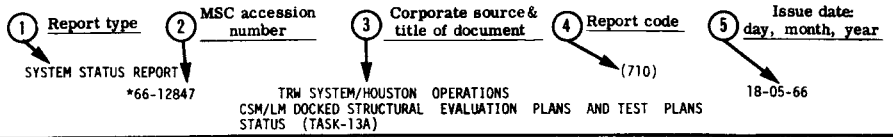
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## LEM - Environmental Control GSE

## CFE SUPPORT EQUIPMENT SPECIFICATION

102-03-002

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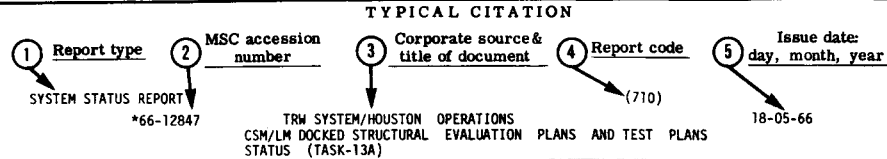
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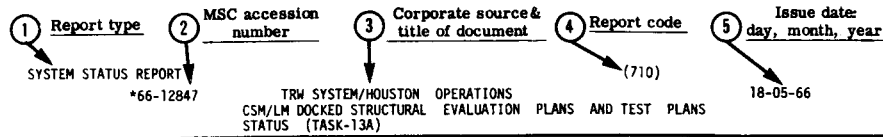
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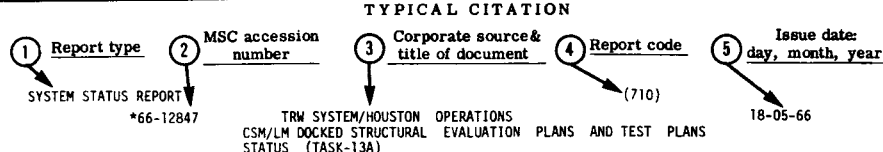
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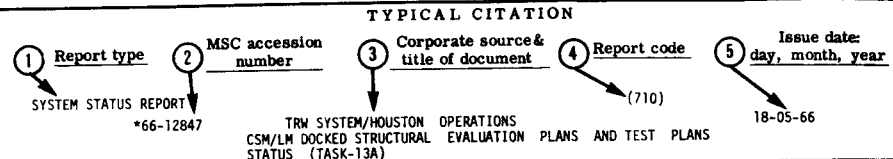
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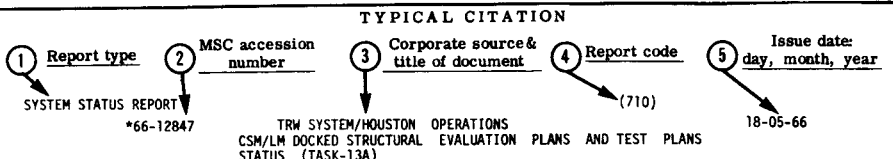


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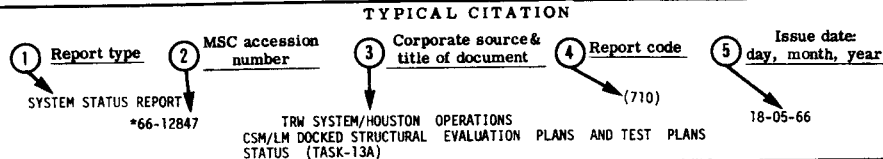
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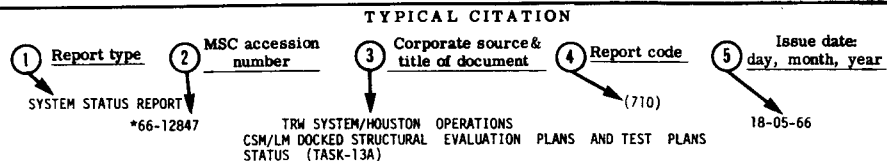
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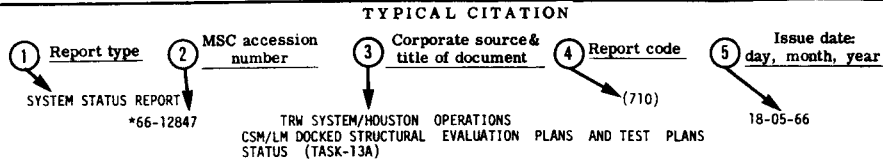
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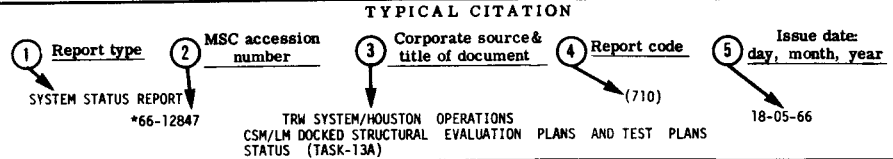
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**Materials**

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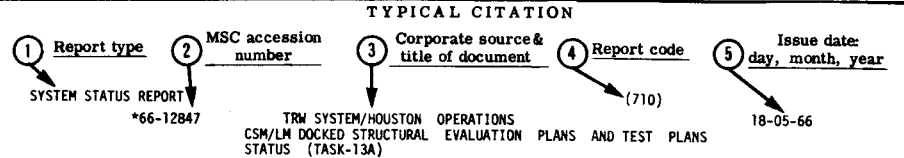
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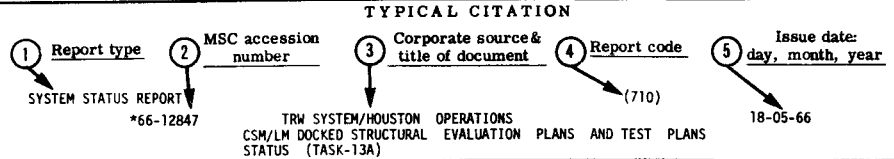
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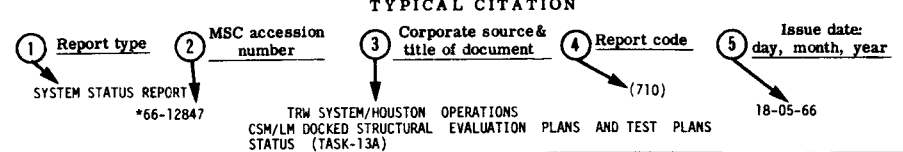
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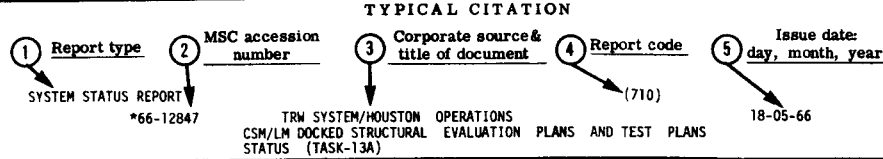
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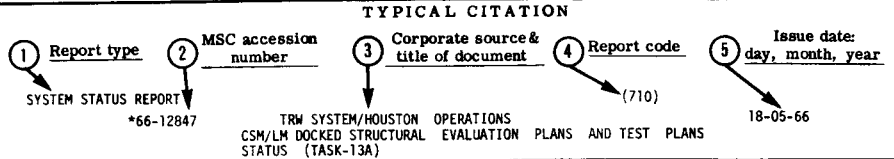
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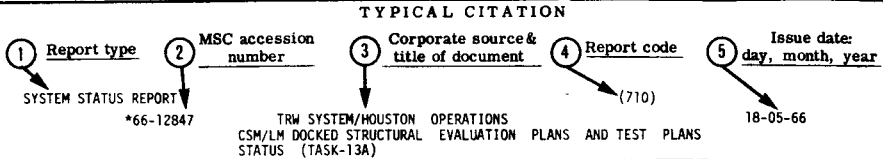
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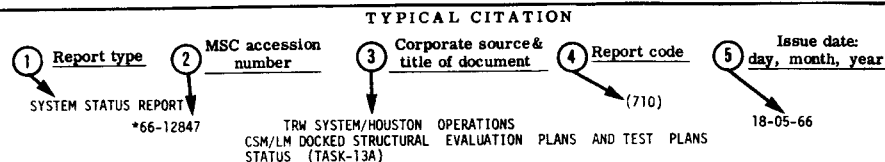
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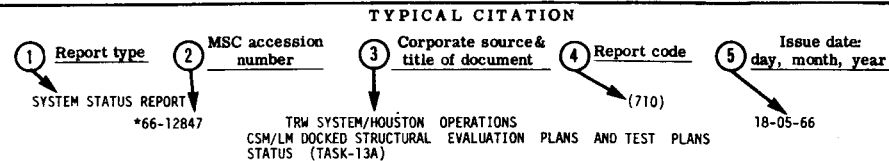
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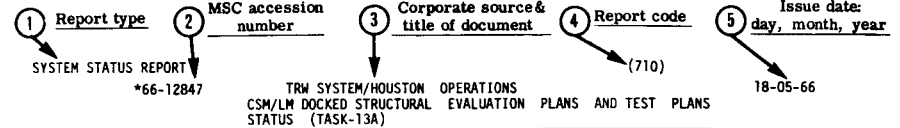
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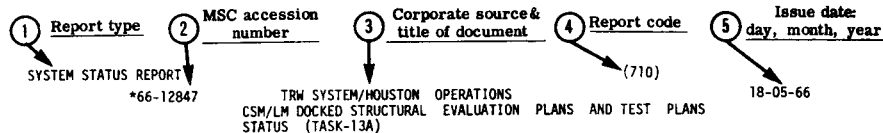
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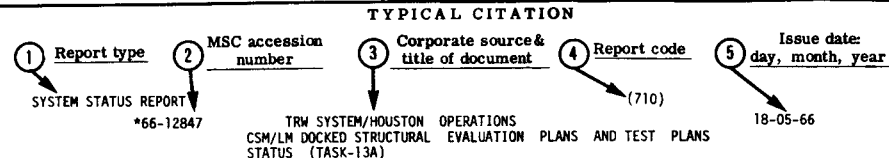


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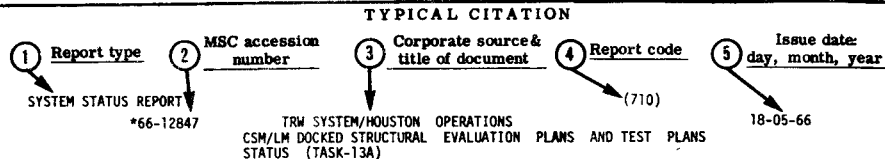
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