APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Rack Subassembly Checkouts Patch Distributors) SA, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-1013 11. VEHICLE EFFECTIVITY AS-501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
Lab	N/A	10 Hrs. Per Dist.

15. TEST CONFIGURATION
Bench Test V-21141-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Rack Subassembly Checkouts (Bus Distributors)
SA, TSM, & LA

2. KSC TEST NO.
1-BLGSE-V-1014

3. STAGE, VEHICLE OR GSE
ACTIVATION
V-21142-GSE VAB

4. TEST OBJECTIVES

This procedure is to verify bus distributors per their respective assembly drawings and wiring schematics.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This test covers continuity checks and is written specifically to verify bus distributors to specified limits.

This test will be performed to verify bus distributors prior to initial assembly in racks in the LCC and Mobile Launcher. These checks will also be made after major modifications.

Activation
1G-252

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
J. R. Cole	Frank A. Maus	6/24/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP	LVO-225	AS-501 through 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Rack Subassembly Checkouts (Bus Distributors) A, TSM, & LA	2. KSC TEST NO. 1-BLGSE-V-1014 11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
Lab	N/A	4 hrs. per dist.

15. TEST CONFIGURATION
Bench Test V-21142-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE
Rack Subassembly Checkouts
(Battery Arming Panels) SA, TSM, & LA

2. KSC TEST NO.
1-BLGSE-V-1016

3. STAGE, VEHICLE OR GSE
ACTIVATION
V-21143-GSE VAB

4. TEST OBJECTIVES

This procedure is to verify the battery arming panels per their respective assembly drawings and wiring schematics.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This test covers continuity, isolation, megger and relay functional checks and is written specifically to verify the battery arming panels to specified limits.

This test will be performed to verify the battery arming panels prior to initial assembly in racks in the Mobile Launcher. These checks will also be made after major modifications.

Activation
1G-254

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
H. J. Steward	Frank H. Kraus	6/29/66
7. ORGANIZATION	**9. ORGANIZATION** F.H.K. 6/28	**11. VEHICLE EFFECTIVITY**
SA, TSM, & LA GROUP	LVO-225	AS-501 through 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Rack Subassembly Checkouts (Battery Arming Panels) SA, TSM, & LA	2. KSC TEST NO. 1-BLGSE-V-1016
	11. VEHICLE EFFECTIVITY AS-501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
Lab	N/A	8 hrs. per panel

18. TEST CONFIGURATION

Bench Test V-21143-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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☐	☐	☐
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☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS APOLLO/SATURN TEST CATALOG	PAGE 1 OF 2

1. TEST TITLE

Rack Subassembly Checkouts
(Meter Panels) SA, TSM, & LA

2. KSC TEST NO.
1-BLGSE-V-1017

3. STAGE, VEHICLE OR GSE
ACTIVATION
V-21144-GSE VAB

4. TEST OBJECTIVES

This procedure is to verify meter panels per their respective assembly and wiring schematics.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This test covers a variety of items from continuity, isolation checks, to switch functional and meter functional checks.

This test is written specifically to verify meter panels to specified limits.

This test will be performed to verify meter panels prior to initial assembly in racks in the LCC and Mobile Launcher. These checks will also be made after major modifications.

Activation
1G-255

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
H. J. Steward	Frank A. Kraus 6/29/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION F.A.K. 6/23	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP	LVO-225	AS-501 through 515

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Rack Subassembly Checkouts (Meter Panels) SA, TSM, & LA	2. KSC TEST NO. 1-BLGSE-V-1017 11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
Lab	N/A	4 hrs. per panel

15. TEST CONFIGURATION

Bench Test : V-21144-GSE VAR

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Rack Subassembly Checkouts
(Fuse Panels) SA, TSM, & LA

2. KSC TEST NO.
1-BLGSEV-1018

3. STAGE, VEHICLE OR GSE
ACTIVATION

V-21145-GSE VAB

4. TEST OBJECTIVES

This procedure is to verify fuse panels per their respective assembly drawings.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This test covers continuity checks and is written specifically to verify fuse panels to specified limits.

This test will be performed to verify fuse panels prior to initial assembly in racks in the LCC and Mobile Launcher. These checks will also be made after major modifications.

Activation
1G-256

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
H. J. Steward	Frank A. Kraus 6/29/66	6/29/66
7. ORGANIZATION SA, TSM, & LA	9. ORGANIZATION LVO-225	11. VEHICLE EFFECTIVITY AS-501 through 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Rack Subassembly Checkouts (Fuse Panels) SA, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-1018
	11. VEHICLE EFFECTIVITY AS - 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
Lab	N/A	4 hrs. per panel

15. TEST CONFIGURATION

Bench Test V-21145-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Rack Subassembly Checkouts
(Receptacle Distributors) SA, TSM, & LA

2. KSC TEST NO.
1-BLGSEV-1019

3. STAGE, VEHICLE OR GSE
ACTIVATION

4. TEST OBJECTIVES

V-21146-GSE VAB

This procedure is to verify receptacle distributors per their respective assembly and wiring schematics.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This test covers continuity, isolation and megger checks and is written specifically to verify receptacle distributors to specified limits.

This test will be performed to verify receptacle distributors prior to initial assembly in racks in the LCC and Mobile Launcher. These checks will also be made after major modifications.

Activation
1G-257

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
J. R. McClendon 6/2/66	Frank A. Kraus 6/29/66	6/29/66
7. ORGANIZATION SA, TSM, LA GROUP	9. ORGANIZATION LVO-225	11. VEHICLE EFFECTIVITY AS- 501 through 515

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Rack Subassembly Checkouts (Receptacle Distributors) SA, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-1019 11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
Lab	N/A	4 hrs. per panel

15. TEST CONFIGURATION

Bench Test V-21146-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Rack Subassembly Checkouts
(Power Modules) SA, TSM, & LA

2. KSC TEST NO.
1-BLGSEV-1020

3. STAGE, VEHICLE OR GSE
ACTIVATION

V-21147-GSE VAB

4. TEST OBJECTIVES

This procedure is to verify power modules per their respective assembly drawings and wiring schematics.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This test covers continuity, isolation, switch functional and lamp verification checks, and is written specifically to verify power modules to specified limits.

This test will be performed to verify power modules prior to initial assembly in racks in the Mobile Launcher. These checks will also be made after major modifications.

Activation
1G-258

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
J. R. McClendon 6/21/66	Frank Abrams	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP	LVO-225	AS-501 through 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Rack Subassembly Checkouts (Power Modules) SA, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-1020 11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
Lab	N/A	4 hrs. per module

15. TEST CONFIGURATION
Bench Test V-21147-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Assembly and Verification of Equipment in LCC Consoles SA, TSM, & LA

2. KSC TEST NO.
1-BLGSEV-1021

3. STAGE, VEHICLE OR GSE
ACTIVATION
V-21148-GSE VAB

4. TEST OBJECTIVES

This assembly and verification procedure will be used for initial documentation of hardware installation for configuration control requirements and will also insure correct assembly of hardware in consoles.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This procedure will satisfy requirements for our configuration control and integrity of the hardware assembled in the consoles. This will involve visual and meter checks verifying the assembly to the assembly and wiring drawings.

These tests will be performed on all SA, TSM, & LA consoles in the LCC during initial installation and after major rework.

Activation
1G-259

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
W. J. Steigerwald for C. P. Pritchett	Frank A. Kraus	6/29/66
7. ORGANIZATION	9. ORGANIZATION FGKraus 6/23	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP J. Muehlberg	LVO-225	AS-501 through 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Assembly and Verification of Equipment in LCC Consoles SA, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-1021 11. VEHICLE EFFECTIVITY AS-501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LCC	N/A	4 hrs. per console

15. TEST CONFIGURATION
Hardware Installation V-21148-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Assembly and Verification of Equipment in Racks SA, TSM, & LA

2. KSC TEST NO.
1-BLGSEV-1022

3. STAGE, VEHICLE OR GSE
ACTIVATION

4. TEST OBJECTIVES

V-21149-GSE VAB

This assembly and verification procedure will be used for initial documentation of hardware installation for configuration control requirements and will also insure correct assembly of hardware in racks.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This procedure will satisfy requirements for configuration control and integrity of the hardware assembled in the racks. This will involve visual and meter checks verifying the assembly to the assembly and wiring drawings.

These tests will be performed on all SA, TSM, & LA racks in the Mobile Launcher and LCC during initial installation and after major rework.

Activation
1G-260

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
C. P. Pritchett	6/29/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP	LVO-225	AS- 501 through 515

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Assembly and Verification of Equipment in Racks SA, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-1022
	11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LCC & LUT	N/A	10 hrs per rack

15. TEST CONFIGURATION
Hardware Installation V-21149-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W.G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W.G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS APOLLO/SATURN TEST CATALOG	PAGE 1 OF 2

1. TEST TITLE

ML Terminal Distributor and Power J-Boxes Checkout/Acceptance Procedure SA, TSM, & LA

2. KSC TEST NO.

1-BLGSEV-1023

3. STAGE, VEHICLE OR GSE

ACTIVATION

4. TEST OBJECTIVES

V-21150-GSE VAB

The object of this procedure is to verify that the distributors and J-Boxes are properly installed and the cables have been properly terminated.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Installation checkout will include continuity, isolation and megger checks of each cable, visual inspection of all terminations, and verification of the Purge System.

This procedure will be performed prior to Boeing Activation of the ML and following major modifications of the Distribution System.

Activation
1G-261

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
J. R. Cole	Frank A. Kraus	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP	LVO-225	AS- 501 through 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE ML Terminal Distributor and Power J-Boxes Checkout/Acceptance Procedure SA, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-1023 11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	180 hours

15. TEST CONFIGURATION
Power-Off V-21150-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS APOLLO/SATURN TEST CATALOG	PAGE 1 OF 2

1. TEST TITLE	2. KSC TEST NO.
Emergency Power Switchover Test SA, TSM, & LA	1-BLGSEV-3005
	3. STAGE, VEHICLE OR GSE ACTIVATION

4. TEST OBJECTIVES

V-21151-GSE VAB

This test will be performed with the SA, TSM, LA and HA Systems on. The object of the test is to determine the problems, if any, associated with the switchover of power.

5. TEST DESCRIPTION/EQUIPMENT STATUS

The system will be on and operating under normal conditions. The DC Power Supplies will be turned off and battery power applied under regular transfer conditions. Certain critical control functions will be monitored to determine potential problem areas.

This test will be performed prior to SA-501 checks.

Activation
1G-262

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
J. R. Cole J. R. Cole	Frank Kraus	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP	LVO-225	AS- 501 through 515

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Emergency Power Switchover Test \, TSM, & LA	2. KSC TEST NO. 1-BLGSEV-3005
	11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	16 hours

15. TEST CONFIGURATION
Power "On" V-21151-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

[X] GROUND POWER	[ ] LCC MEASURING (LVO)	[ ] ETR/KSC RADAR
[ ] S-IB OR S-IC STAGE PWR	[ ] LCC MEASURING (INS)	[ ] ETR COMMAND XMITTER
[ ] S-II STAGE POWER	[ ] GSE MEASURING (LVO)	[ ] LOCAL COMMAND (C.L.)
[ ] S-IVB STAGE POWER	[ ] GSE MEASURING (INS)	[ ] ALDS
[ ] IU POWER	[ ] LCC DATA DISPLAY	[ ] LCC TM STA. (MONITOR)
[ ] LEM POWER	[ ] CIF DATA DISPLAY	[ ] LCC TM RECORDING
[ ] SM POWER	[X] DDAS	[ ] CIF TM STA. (MONITOR)
[ ] CM POWER	[ ] DDAS TAPE RECORDING	[ ] CIF TM RECORDING
[X] BACK-UP BATTERIES	[ ] SERVICE STRUCTURE MEAS.	[ ] CIF COMPUTER
[ ] TIMING	[X] RCA-110A COMPUTERS	[ ] CIF DATA
[ ] COUNTDOWN CLOCK	[ ] ACE	[ ] TM RECORDS
[ ] ETR SEQUENCER	[ ] L/V W-G ECS	[ ] REAL-TIME CIF COMPUT.
[ ] ETR COUNTDOWN CLOCK	[ ] CM W-G ECS	[ ] POST-TEST CIF COMPUT.
[ ] ETR S.R.O.	[ ] FACILITY ECS (GAS)	[ ] KSC TRACKING
[ ] ETR R.S.O.	[ ] H.P. GAS	[ ] RFI MONITORING
[ ] ETR PAD SAFETY	[ ] CCF	[ ] RF READOUTS (ETR)
[ ] KSC PAD SAFETY	[ ] FACILITY TV (OTV)	[ ] RF READOUTS (KSC)
[ ] SECURITY POLICE	[ ] FACILITY COMM. (OIS)	[ ] WEATHER FORECAST
[ ] FIRE FIGHTING	[ ] FILM CAMERAS	[ ] MCC-C
[ ] MEDICAL	[ ] SEARCH LIGHTS	[ ] MCC-H
[ ]	[ ]	[ ] FOOD SERVICE
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]
[ ]	[ ]	[ ]

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

SA, TSM, & LA 28 VDC Subsystem Checkout Procedure (ML)

2. KSC TEST NO.

1-BLGSEV-2000

3. STAGE, VEHICLE OR GSE

ACTIVATION

V-21152-GSE VAB

4. TEST OBJECTIVES

This procedure covers initial power application and all preliminary preparations for the application of AC and DC Power to the SA, TSM, and LA Systems.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This procedure will involve the application of power and verifying buses for specified voltage. Each system will be turned on separately until full load is applied to the power source.

This procedure will be used when initial power is applied to the above systems.

Activation
1G-263

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
W. H. Ellefson	6/23/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION 6/23	11. VEHICLE EFFECTIVITY
SA, TSM, & LA GROUP	LVO-225	AS-501 through 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE SA, TSM, & LA 28 VDC Subsystem Checkout Procedure (ML)	8. KSC TEST NO. 1-BLGSEV-2000 11. VEHICLE EFFECTIVITY AS-501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	16 hours

15. TEST CONFIGURATION

Power On V-21152-GSEVAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☒ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☒ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☒ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Verification of Hydraulic Charging Unit, Electrical System

2. KSC TEST NO.

1-BLGSEV-3006

3. STAGE, VEHICLE OR GSE

ACTIVATION

V-21153-GSE VAB

4. TEST OBJECTIVES

The purpose of this procedure is to verify the completeness of installation of electrical cabling and components in the Hydraulic Charging Unit.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This operation includes the verification of the complete internal cable installation and connection, pin function checks, and verification of readiness for Systems Test. Voltage and phase checks will be included in this test.

This operation will be performed prior to Service Arm Functional Test Requirements.

Activation
1G-266

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	7. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
[signature] ward	[signature]	6/29/66
7. ORGANIZATION	9. ORGANIZATION [signature] 6/28	11. VEHICLE EFFECTIVITY
SA, [illegible], & LA [signature]	LVO-225	AS- 501 through 515

KSC FORM 23-191 (2-66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2

1. TEST TITLE	2. KSC TEST NO.
Verification of Hydraulic Charging Unit, Electrical System	1-BLGSEV-3006
	11. VEHICLE EFFECTIVITY: AS - 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	8 hours

15. TEST CONFIGURATION

Hardware Installation Verification — V-21153-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Verification of Holddown Arms

2. KSC TEST NO.
1-BLCSEV-1024

3. STAGE, VEHICLE OR GSE
ACTIVATION

V-21154-GSE VAB

4. TEST OBJECTIVES

The purpose of this procedure is to verify the completeness of installation of the Holddown Arms electrical cabling and components.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This operation will include the verification of cable connections, pin function checks and verification of readiness of systems checkout.

These operations will be performed prior to erection of S-IC-501.

Activation
1G-267

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
J. R. Cole	6/29/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSM, & L	LVO-225	AS- 501 through 515

KSC FORM 23-1 (REV 10)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Verification of Holddown Arms	2. KSC TEST NO. 1-BLGSEV-1024
	11. VEHICLE EFFECTIVITY AS- 501 through 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	16 hours

15. TEST CONFIGURATION

Hardware Installation Verification V-21154-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE
Verification of Tail Service Masts

2. KSC TEST NO.
1-BLCSEV-1025

3. STAGE, VEHICLE OR GSE
Activation

4. TEST OBJECTIVES

V-21155-GSE VAB

The purpose of this procedure is to verify the completeness of installation of the electrical cabling and components of the Tail Service Masts.

5. TEST DESCRIPTION/EQUIPMENT STATUS

This operation will include the verification of proper cable installations, a pin function check and connection of interface plate cables. Verification of readiness for Systems Test.

This operation will be performed prior to the S-IC-501 erection of the ML.

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

Activation
1G-268

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
J. R. Cole	Frank Kramer 6/29/66	6/29/66
7. ORGANIZATION ..., TSM, ... Group	9. ORGANIZATION LVO-225	11. VEHICLE EFFECTIVITY AS- 501 thru 515

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Verification of Tail Service Masts	2. KSC TEST NO. 1-BLGSEV-1025
	11. VEHICLE EFFECTIVITY AS- 501 thru 515
12. WHERE TEST PERFORMED LUT	13. COMPUTER/ACE PROG. IDENT. (IF APP. N/A
	14. [illegible] 16 hrs.

15. TEST CONFIGURATION
Hardware Installation Verification V-21155-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE
Verification of Service Arm Subsystem

2. KSC TEST NO.
1-BLGSEV-1098

3. STAGE, VEHICLE OR GSE
Activation

V-21156-GSE VAB

4. TEST OBJECTIVES

The purpose of this test is to verify that the Service Arms Electrical Subsystem is ready for functional testing.

5. TEST DESCRIPTION/EQUIPMENT STATUS

All system cables and components will be visually inspected. After initial installation or major modification, end-to-end continuity and isolation checks will be performed. Continuity checks are made from all valves and switches of the Service Arms to the Relay Distributor; and from the Relay Distributor to the Integration Racks. Valve and switch resistance will be checked for tolerance and resistive elements will be verified.

This test will be performed prior to each Service Arm Functional Test.

204

Activation
1G-270

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
H. J. Steward H. J. Steward	6/29/66 Frank O. Kraus	6/29/66
7. ORGANIZATION SA[illegible], [illegible] Group	9. ORGANIZATION LVO-225	11. VEHICLE EFFECTIVITY AS- 501 thru 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Verification of Service Arm Subsystem	2. KSC TEST NO. 1-BLGSEV-1098 11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	80 hrs.

15. TEST CONFIGURATION
Systems Verification V-21156-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

205

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Mobile Launcher Hydraulic Supply System
Functional Test, LSE Electrical Preparations

2. KSC TEST NO.

TBC-N-5007

3. STAGE, VEHICLE OR GSE

Activation

V-21157-GSE VAB

4. TEST OBJECTIVES

The assurance of proper cable hookup, test equipment installation, patch panel and/or patch distributor jumpers are installed, and proper circuit fusing is accomplished.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support of 6-BLGSEV-1019 Mobile Launcher Hydraulic Supply System Functional Test.

The preparations will be accomplished to the subject test; post test, the system will be returned to normal.

Activation
1G-271

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
H. J. Steward	Frank O'Hara	6/29/66
7. ORGANIZATION	9. ORGANIZATION F. O'Hara 6/23	11. VEHICLE EFFECTIVITY
SA[illegible] LA/Grou[illegible]	LVO-225	AS- 501 thru 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Mobile Launcher Hydraulic Supply System Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5007 11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	4 hrs.

15. TEST CONFIGURATION
Hardware Installation V-21157-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS APOLLO/SATURN TEST CATALOG	PAGE 1 OF 2
1. TEST TITLE S-IC Intertank Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5008 3. STAGE, VEHICLE OR GSE Activation

4. TEST OBJECTIVES

V-21158-GSE VAB

Electrically support the Mechanical Test by installing proper test equipment, connecting and disconnecting cables, installing test jumpers, and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1020 S-IC Intertank Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

Activation
1G-272

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
H. J. Steward	Frank Kraus	6/29/66
7. ORGANIZATION	9. ORGANIZATION F. A. Kraus 6/23	11. VEHICLE EFFECTIVITY
SA, TSM, LA Group	LVO-225	AS- 501 thru 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE S-IC Intertank Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5008
	11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	4 hrs.

15. TEST CONFIGURATION
Hardware Installation V-21158-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

S-IC Forward Service Arm Functional Test,
LSE Electrical Preparations

2. KSC TEST NO.
TEC-N-5009

3. STAGE, VEHICLE OR GSE
Activation

4. TEST OBJECTIVES

V-21159-GSE VAB

Electrically support the Mechanical Test by installing proper test equipment, connecting and disconnecting cables, installing test jumpers, and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1021 S-IC Forward Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

Activation
1G-273

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
H. J. Steward	6/24/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSE, LA (GROUP)	LVO-225	AS- 501 thru 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE: S-IC Forward Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO.: TBC-N-5009
	11. VEHICLE EFFECTIVITY: AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	4 hrs.

15. TEST CONFIGURATION: Electrical Preparation and Support — V-21159-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

S-II AFT Service Arm Functional Test,
LSE Electrical Preparations

2. KSC TEST NO.
TBC-N-5013

3. STAGE, VEHICLE OR GSE
Activation

V-21160-GSE VAB

4. TEST OBJECTIVES

Electrically support the Mechanical Test by installing appropriate test equipment, connecting and disconnecting cables, installing test jumpers and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1022 S-II AFT Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

Activation
1G-274

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL 6/24/66	10. APPROVAL DATE
H. G. Stewart		6/24/66
7. ORGANIZATION S.A., TSM	9. ORGANIZATION LVO-225	11. VEHICLE EFFECTIVITY AS- 501 thru 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE S-II AFT Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5013 11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	3 hrs.

15. TEST CONFIGURATION
Electrical Preparation and Support V-21160-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

S-II Intermediate Service Arm Functional Test, LSE Electrical Preparations

2. KSC TEST NO.

TBC-N-5014

3. STAGE, VEHICLE OR GSE

Activation

V-21161-GSE VAB

4. TEST OBJECTIVES

Electrically support the Mechanical Test by installing appropriate test equipment, connecting and disconnecting cables, installing test jumpers, and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1023 S-II Intermediate Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

1G-1

Activation
1G-275

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
H. J. Steward	6/29/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, TSM, LA Gro.	LVO-225	AS- 501 thru 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE S-II Intermediate Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5014 11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	3 hrs.

15. TEST CONFIGURATION
Electrical Preparation and Support V-21161-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☒ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

S-II Forward Service Arm Functional Test,
LSE Electrical Preparations

2. KSC TEST NO.
TBC-N-5015

3. STAGE, VEHICLE OR GSE
Activation

4. TEST OBJECTIVES

V-21162-GSE VAB

To electrically support the Mechanical Test by installing appropriate test equipment, connecting and disconnecting cables, installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1024 S-II Forward Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

Activation
1G-276

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
H. J. Steward	Frank Krause	6/29/66
7. ORGANIZATION	9. ORGANIZATION 6/23	11. VEHICLE EFFECTIVITY
SA, SM, LA Group	LVO-225	AS- 501 thru 515

KSC FORM 23-191 (2/...

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE S-II Forward Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5015 11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	3 hrs.

15. TEST CONFIGURATION
Electrical Preparation and Support V-21162-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-193 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

K[illegible]RATIONS
APOLLO [illegible] TEST CATALOG

1. TEST TITLE

S-IVB Service Arm Functional Test,
LSE Electrical Preparations

2. PSI TEST NO.

TEC-N-5016

3. STAGE, VEHICLE OR GSE

Activation

V-21163-GSE VAB

4. TEST OBJECTIVES

To electrically support the Mechanical Test by installing appropriate test eq[illegible]ent, connecting and disconnecting cables, installing test jumpers, and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1025 S-IVB Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

Activation
[illegible]-277

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED	8. NASA-KSC APPROVAL 6/29/66	10. APPROVAL DATE
H. J. Steward	[signature]	6/29/66
7. ORGANIZATION	9. ORGANIZATION [signature] 6/23	11. VEHICLE EFFECTIVITY
SA, [illegible]	LVO-225	AS- 501 thru 515

KSC FORM 23-191 (2/6[illegible])

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE S-IVB Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5016 11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	3 hrs.

15. TEST CONFIGURATION

Electrical Preparation and Support V-21163-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
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☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE
S-IVB Forward Service Arm Functional Test
LSE Electrical Preparations

2. KSC TEST NO.
TBC-N-5017

3. STAGE, VEHICLE OR GSE
Activation

4. TEST OBJECTIVES

V-21164-GSE VAB

To electrically support the Mechanical Test by installing appropriate test equipment, connecting and disconnecting cables, installing test jumpers and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1026 S-IVB Forward Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

Activation
1G-278

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
H. J. Steward	Frank C. Evans 6/29/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION Frank C. Evans 6/23	11. VEHICLE EFFECTIVITY
SA, [illegible]	LVO-225	AS- 501 thru 515

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE S-IVB Forward Service Arm Functional Test LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5017
	11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	3 hrs.

15. TEST CONFIGURATION
Electrical Preparation and Support V-21164-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Service Module Service Arm Functional Test, LSE Electrical Preparations

2. KSC TEST NO.
TBC-N-5010

3. STAGE, VEHICLE OR GSE
Activation
V-21165-GSE VAB

4. TEST OBJECTIVES

To electrically support the Mechanical Test by installing appropriate test equipment, connecting and disconnecting cables, installing test jumpers and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparations and support for 6-BLGSEV-1027 Service Module Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

Activation
1G-279

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
H. W. Steward	Frank Thomas 6/29/66	6/29/66
7. ORGANIZATION	9. ORGANIZATION	11. VEHICLE EFFECTIVITY
SA, [illegible]	LVO-225	AS- 501 thru 515

KSC FORM 23-191 (2/66)

APOLLO/SATURN TEST CATALOG (Continuation Sheet)	PAGE 2 OF 2
1. TEST TITLE Service Module Service Arm Functional Test, LSE Electrical Preparations	2. KSC TEST NO. TBC-N-5010 11. VEHICLE EFFECTIVITY AS- 501 thru 515

12. WHERE TEST PERFORMED	13. COMPUTER/ACE PROG. IDENT. (IF APPLICABLE)	14. EST. TEST TIME
LUT	N/A	3 Hrs.

15. TEST CONFIGURATION
Electrical Preparation and Support V-21165-GSE VAB

16. SUPPORT REQUIREMENTS CHECKLIST *(Check appropriate boxes and add any additional)*

☐ GROUND POWER	☐ LCC MEASURING (LVO)	☐ ETR/KSC RADAR
☐ S-IB OR S-IC STAGE PWR	☐ LCC MEASURING (INS)	☐ ETR COMMAND XMITTER
☐ S-II STAGE POWER	☐ GSE MEASURING (LVO)	☐ LOCAL COMMAND (C.L.)
☐ S-IVB STAGE POWER	☐ GSE MEASURING (INS)	☐ ALDS
☐ IU POWER	☐ LCC DATA DISPLAY	☐ LCC TM STA. (MONITOR)
☐ LEM POWER	☐ CIF DATA DISPLAY	☐ LCC TM RECORDING
☐ SM POWER	☐ DDAS	☐ CIF TM STA. (MONITOR)
☐ CM POWER	☐ DDAS TAPE RECORDING	☐ CIF TM RECORDING
☐ BACK-UP BATTERIES	☐ SERVICE STRUCTURE MEAS.	☐ CIF COMPUTER
☐ TIMING	☐ RCA-110A COMPUTERS	☐ CIF DATA
☐ COUNTDOWN CLOCK	☐ ACE	☐ TM RECORDS
☐ ETR SEQUENCER	☐ L/V W-G ECS	☐ REAL-TIME CIF COMPUT.
☐ ETR COUNTDOWN CLOCK	☐ CM W-G ECS	☐ POST-TEST CIF COMPUT.
☐ ETR S.R.O.	☐ FACILITY ECS (GAS)	☐ KSC TRACKING
☐ ETR R.S.O.	☐ H.P. GAS	☐ RFI MONITORING
☐ ETR PAD SAFETY	☐ CCF	☐ RF READOUTS (ETR)
☐ KSC PAD SAFETY	☐ FACILITY TV (OTV)	☐ RF READOUTS (KSC)
☐ SECURITY POLICE	☐ FACILITY COMM. (OIS)	☐ WEATHER FORECAST
☐ FIRE FIGHTING	☐ FILM CAMERAS	☐ MCC-C
☐ MEDICAL	☐ SEARCH LIGHTS	☐ MCC-H
☐	☐	☐ FOOD SERVICE
☐	☐	☐
☐	☐	☐
☐	☐	☐
☐	☐	☐

OTHERS:

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

17. OTHER APPLICABLE REFERENCE DOCUMENTATION

N/A

KSC OPERATIONS
APOLLO/SATURN TEST CATALOG

1. TEST TITLE

Command Module Service Arm Functional Test, LSE Electrical Preparations

2. KSC TEST NO.
TBC-N-5011

3. STAGE, VEHICLE OR GSE
Activation

4. TEST OBJECTIVES

V-21166-GSE VAB

To electrically support the Mechanical Test by installing appropriate test equipment, connecting and disconnecting cables, installing test jumpers, and installing proper size fuses in test circuitry.

5. TEST DESCRIPTION/EQUIPMENT STATUS

Electrical preparation and support for 6-BLGSEV-1028 Command Module Service Arm Functional Test.

Upon completion of test, return circuitry to normal state.

Activation
1G-280

(CONTINUE ON KSC FORM 23-192 IF REQUIRED)

6. PREPARED BY	8. NASA-KSC APPROVAL	10. APPROVAL DATE
W. J. Steward	Frank Kramer 6/29/66	6/29/66
7. ORGANIZATION SA,	9. ORGANIZATION Frank Kramer 6/29 LVO-225	11. VEHICLE EFFECTIVITY AS- 501 thru 515