

CHAPTER

49

AIRBORNE AUXILIARY POWER

CHAPTER 49
AIRBORNE AUXILIARY POWER

| CH-SC-SU | Schem | Page | Sheet | Date | CH-SC-SU | Schem | Page | Sheet | Date |
|-----------------------|-------|----------|-------|-------------|----------|-------|------|-------|-------------|
| 49-EFFECTIVE PAGES | | | | | 49-52-01 | | | | |
| | | 1 thru 2 | | Mar 07/2012 | | | 101 | | May 02/2008 |
| 49-CONTENTS | | | | | 49-52-31 | | | | |
| | | 1 | | Jun 30/2009 | | | 101 | | Jan 11/2006 |
| | | 2 | | Jun 30/2009 | 49-61-01 | | | | Jun 30/2009 |
| 49-ALPHABETICAL INDEX | | | | | 49-62-01 | | | | |
| | | 1 | | May 02/2008 | | | 101 | | Jun 30/2009 |
| | | 2 | | BLANK | | | 101 | | Jun 30/2009 |
| 49-00-00 | | | | | 49-62-11 | | | | |
| | | 101 | | Jan 11/2006 | | | 101 | | Jun 30/2009 |
| 49-31-00 | | | | | | | 102 | | Jun 30/2009 |
| | | 101 | | May 02/2008 | 49-62-12 | | | | |
| 49-41-00 | | | | | | | 101 | | Jan 11/2006 |
| | | 101 | | Jun 30/2009 | 49-62-51 | | | | |
| 49-41-01 | | | | | | | 101 | | Jan 11/2006 |
| | | 101 | | Jun 30/2009 | 49-71-01 | | | | |
| 49-41-02 | | | | | | | 101 | | Jun 30/2009 |
| | | 101 | 1 | Jun 30/2009 | 49-71-21 | | | | |
| | | | 2 | Jun 30/2009 | | | 101 | | Jan 11/2006 |
| | | | 3 | Jun 30/2009 | 49-94-00 | | | | |
| 49-41-11 | | | | | | | 101 | | Jan 11/2006 |
| | | 101 | | Jan 11/2006 | 49-94-01 | | | | |
| | | 102 | | Jan 11/2006 | | | 101 | | Jun 30/2009 |

A = Added, R = Revised, D = Deleted, O = Overflow

49-EFFECTIVE PAGES

Page 1
Mar 07/2012

D280A238

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

**CHAPTER 49**
AIRBORNE AUXILIARY POWER

| CH-SC-SU | Schem | Page | Sheet | Date | CH-SC-SU | Schem | Page | Sheet | Date |
|----------|-------|------|-------|-------------|----------|-------|------|-------|------|
| 49-94-21 | | 101 | | Jun 30/2009 | | | | | |

For training purposes only!

A = Added, R = Revised, D = Deleted, O = Overflow

49-EFFECTIVE PAGES

D280A238

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

Page 2
Mar 07/2012

CHAPTER 49
AIRBORNE AUXILIARY POWER

| Title | CH-SC-SU | Schem | Page | Sheet | Date | Effectivity |
|---|----------|-------|------|-------|-------------|-------------|
| <u>AIRBORNE AUXILIARY POWER</u> | | | | | | |
| APU GENERAL ARRANGEMENT | 49-00-00 | | 101 | | Jan 11/2006 | ALL |
| <u>APU FUEL SYSTEM</u> | | | | | | |
| APU FUEL DISTRIBUTION | 49-31-00 | | 101 | | May 02/2008 | ALL |
| <u>APU IGNITION AND START SYSTEM</u> | | | | | | |
| APU START SYSTEM | 49-41-00 | | 101 | | Jun 30/2009 | ALL |
| APU START SYSTEM | 49-41-01 | | 101 | | Jun 30/2009 | ALL |
| APU SCU/SPU START SYSTEM LOGIC | 49-41-02 | | 101 | 1 | Jun 30/2009 | ALL |
| | | | | 2 | Jun 30/2009 | ALL |
| | | | | 3 | Jun 30/2009 | ALL |
| APU IGNITION AND STARTING SYSTEM | 49-41-11 | | 101 | | Jan 11/2006 | YD001-YD005 |
| | | | 102 | | Jan 11/2006 | YD006-YD007 |
| <u>APU BLEED AIR SYSTEM</u> | | | | | | |
| APU ECU BLEED AIR AND SURGE CONTROL LOGIC | 49-52-01 | | 101 | | May 02/2008 | ALL |
| APU BLEED AIR AND SURGE CONTROL SYSTEM | 49-52-31 | | 101 | | Jan 11/2006 | ALL |
| <u>APU CONTROLS</u> | | | | | | |
| APU CONTROL | 49-61-01 | | 101 | | Jun 30/2009 | ALL |
| <u>APU CONTROL SYSTEM</u> | | | | | | |
| APU CONTROL SYSTEM | 49-62-01 | | 101 | | Jun 30/2009 | ALL |
| APU CONTROL- AIRPLANE INTERFACE | 49-62-11 | | 101 | | Jun 30/2009 | YD001-YD005 |
| | | | 102 | | Jun 30/2009 | YD006-YD020 |
| APU CONTROL- APU INTERFACE | 49-62-12 | | 101 | | Jan 11/2006 | ALL |
| ECU PINOUT | 49-62-51 | | 101 | | Jan 11/2006 | ALL |

49-CONTENTS

Page 1
Jun 30/2009

D280A238

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

**CHAPTER 49
AIRBORNE AUXILIARY POWER**

| Title | CH-SC-SU | Schem | Page | Sheet | Date | Effectivity |
|---|----------|-------|------|-------|-------------|-------------|
| <u>EGT INDICATING SYSTEM</u> | | | | | | |
| APU EGT INDICATION | 49-71-01 | | 101 | | Jun 30/2009 | ALL |
| APU EGT SYSTEM | 49-71-21 | | 101 | | Jan 11/2006 | ALL |
| <u>APU OIL INDICATING SYSTEM</u> | | | | | | |
| APU OIL DISTRIBUTION | 49-94-00 | | 101 | | Jan 11/2006 | ALL |
| APU OIL INDICATION | 49-94-01 | | 101 | | Jun 30/2009 | ALL |
| APU OIL SYSTEM | 49-94-21 | | 101 | | Jun 30/2009 | ALL |

For training purposes only!



737-800 SYSTEM SCHEMATIC MANUAL

| CH-SC-SU | Title |
|----------|---|
| 49-52-31 | APU BLEED AIR AND SURGE CONTROL SYSTEM |
| 49-61-01 | APU CONTROL |
| 49-62-01 | APU CONTROL SYSTEM |
| 49-62-11 | APU CONTROL- AIRPLANE INTERFACE |
| 49-62-12 | APU CONTROL- APU INTERFACE |
| 49-52-01 | APU ECU BLEED AIR AND SURGE CONTROL LOGIC |
| 49-71-01 | APU EGT INDICATION |
| 49-71-21 | APU EGT SYSTEM |
| 49-31-00 | APU FUEL DISTRIBUTION |
| 49-00-00 | APU GENERAL ARRANGEMENT |
| 49-41-11 | APU IGNITION AND STARTING SYSTEM |
| 49-94-00 | APU OIL DISTRIBUTION |
| 49-94-01 | APU OIL INDICATION |
| 49-94-21 | APU OIL SYSTEM |
| 49-41-02 | APU SCU/SPU START SYSTEM LOGIC |
| 49-41-00 | APU START SYSTEM |
| 49-41-01 | APU START SYSTEM |
| 49-62-51 | ECU PINOUT |

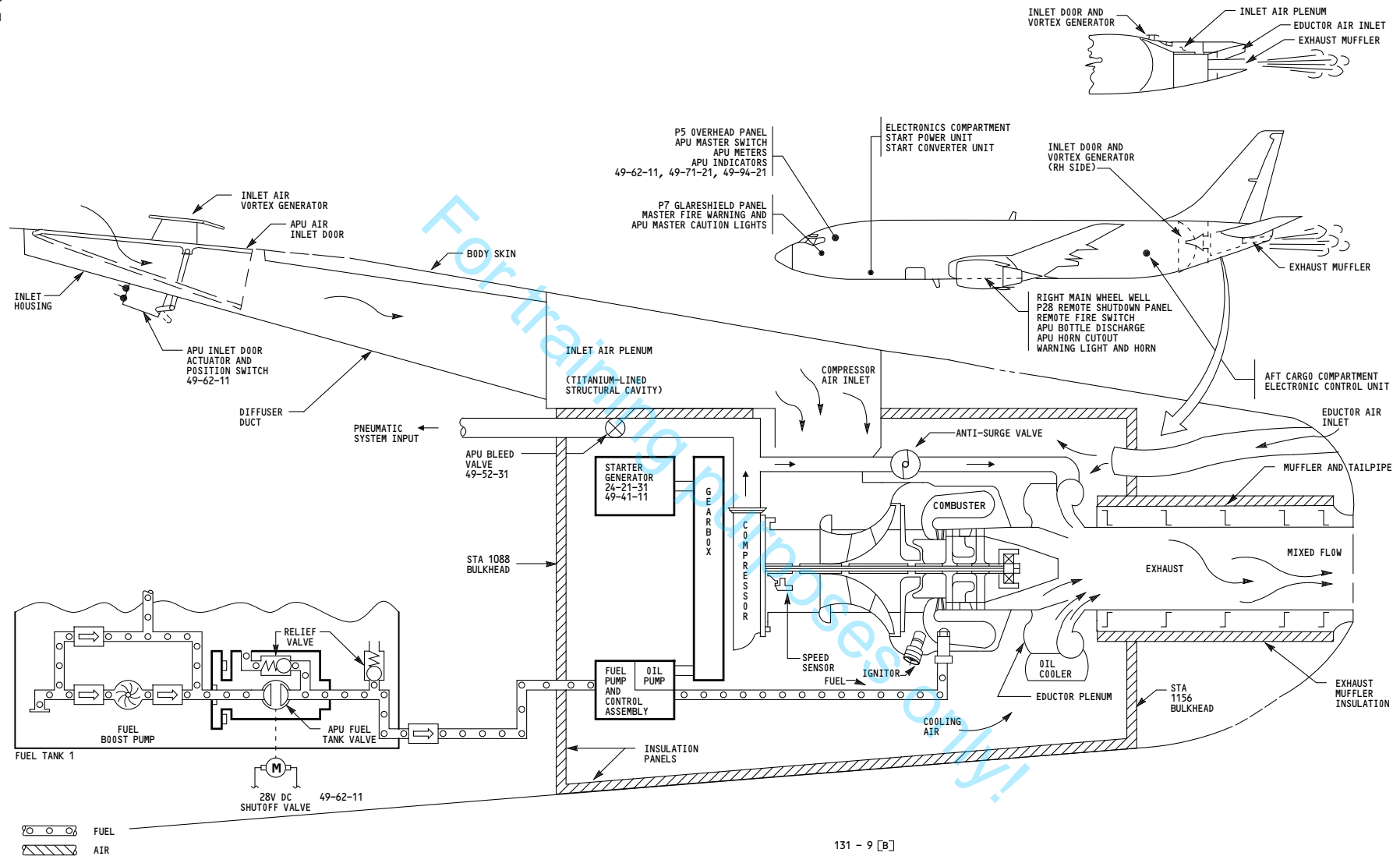
49-ALPHABETICAL INDEX

Page 1
May 02/2008

D280A238

BOEING PROPRIETARY - Copyright © Unpublished Work - See title page for details

-B
1



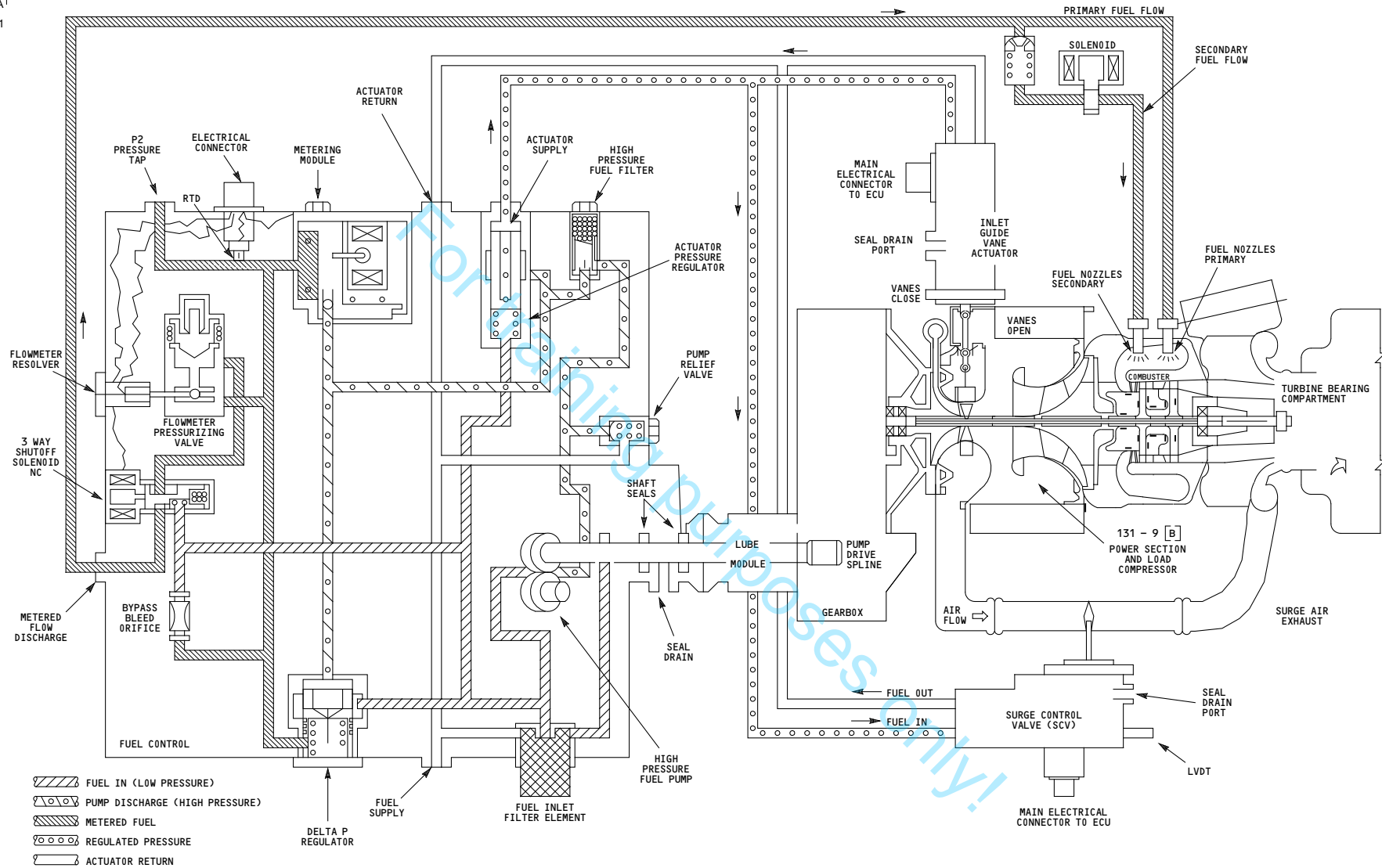
131 - 9 [B]

| | |
|-----|-------------------------|
| ALL | APU GENERAL ARRANGEMENT |
| | D280A238 |

49-00-00

Page 101

Jan 11/2006

$$\frac{-A}{1}$$


ALL

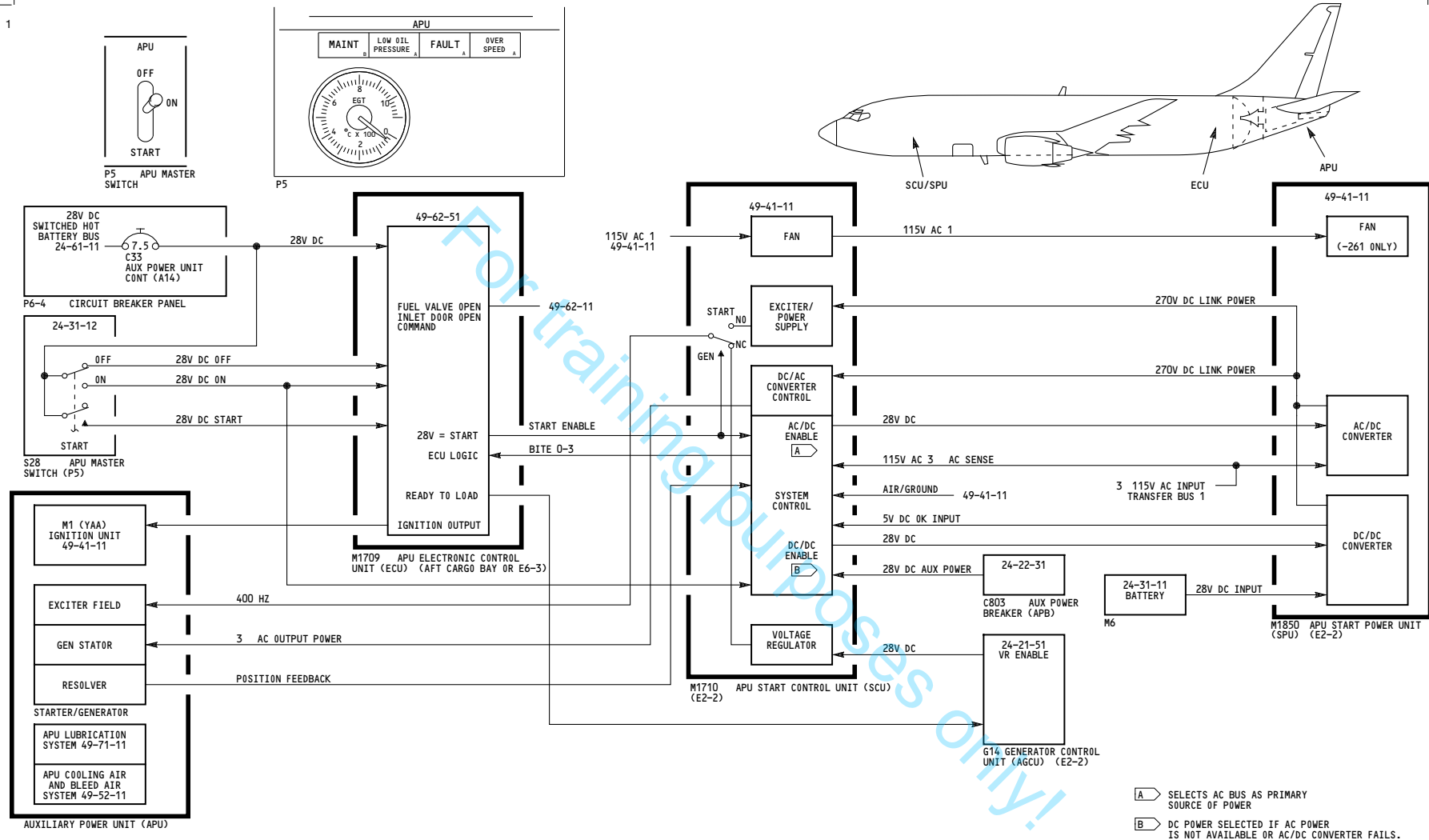
APU FUEL DISTRIBUTION

D280A238

49-31-00

Page 101

May 02/2008



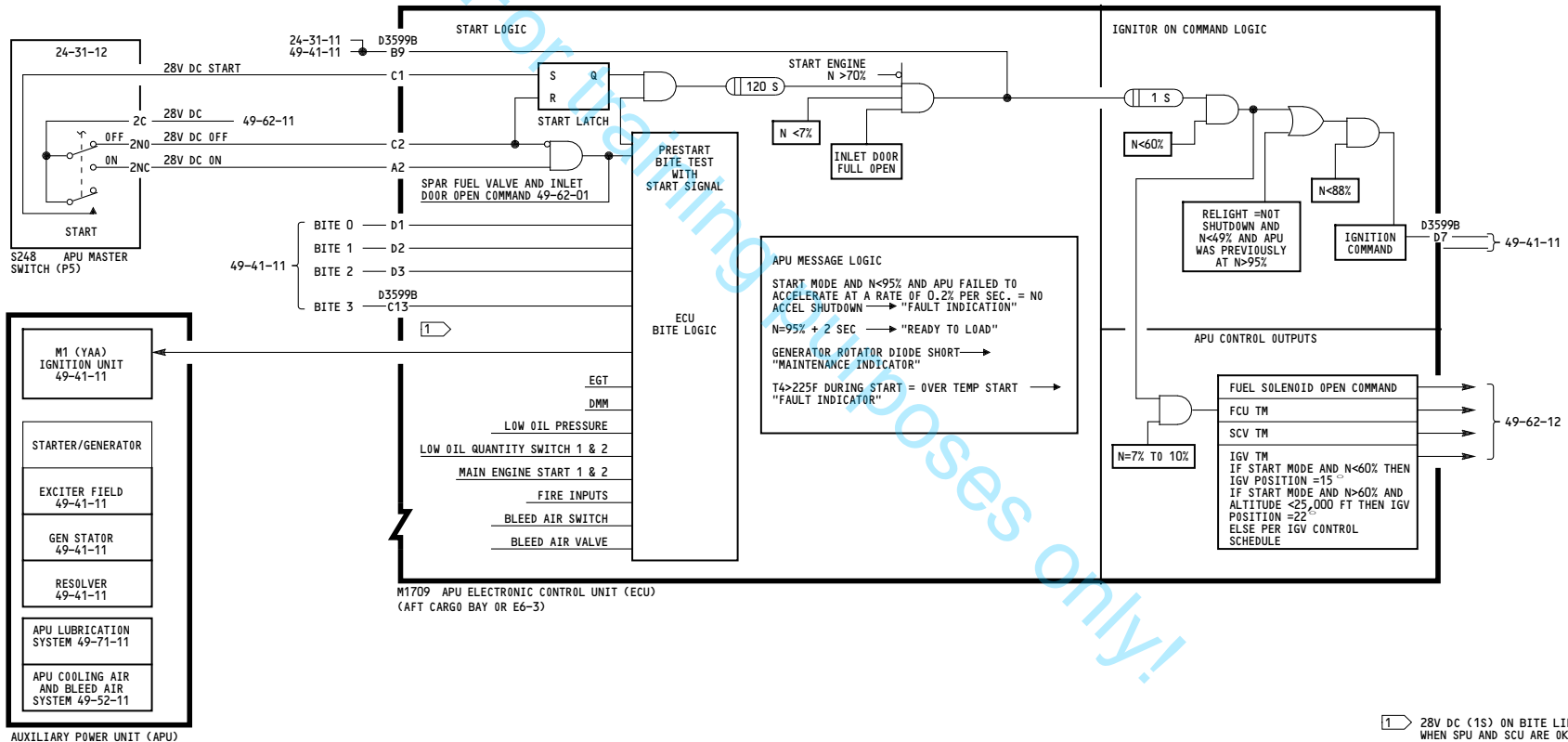
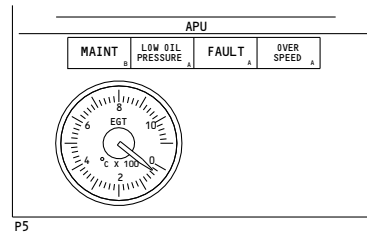
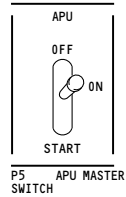
| | |
|-----|------------------|
| ALL | APU START SYSTEM |
| | D280A238 |

49-41-00

Page 101

Jun 30/2009

-A
2



ALL

APU START SYSTEM

49-41-01

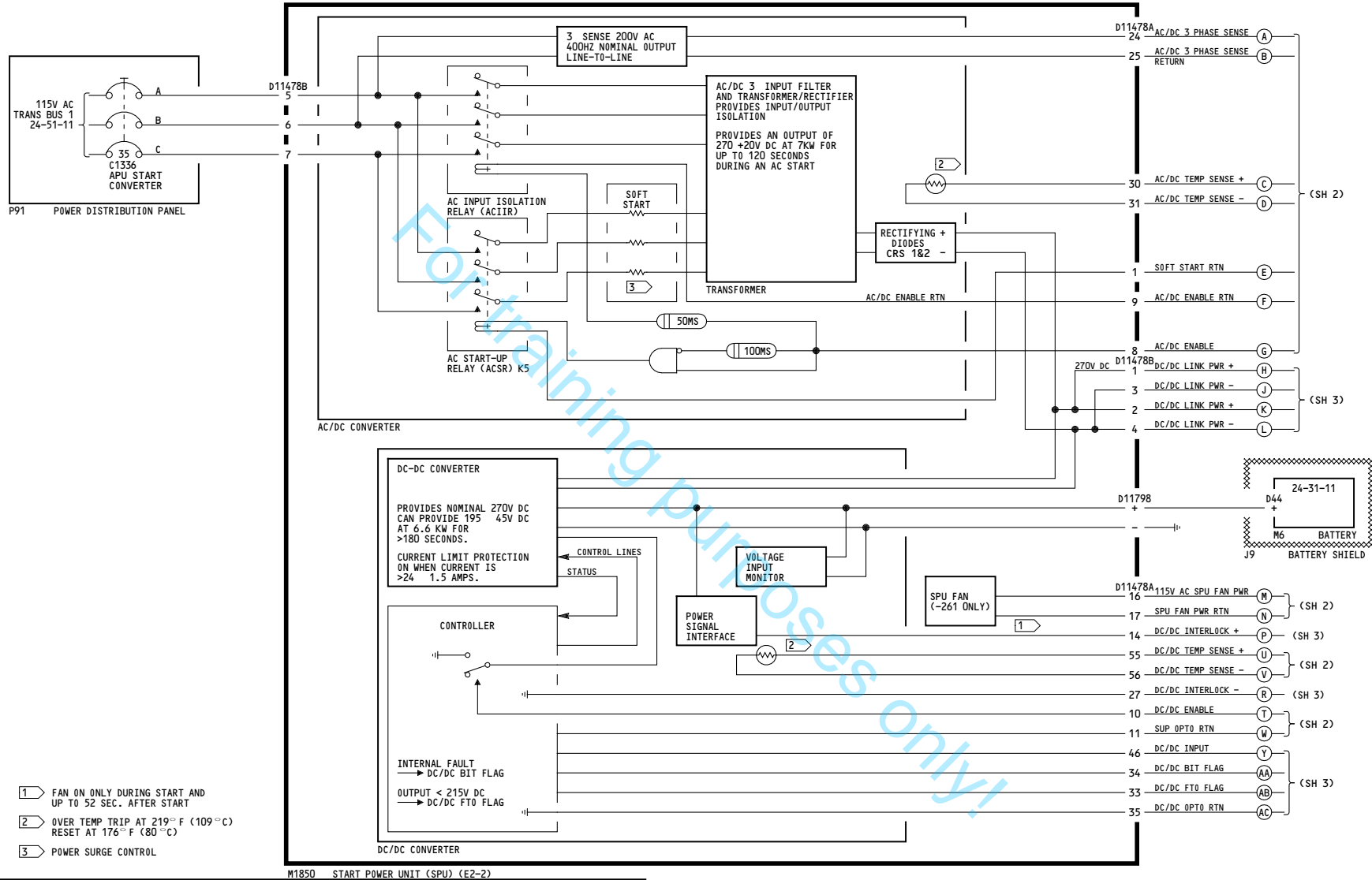
Page 101

Jun 30/2009

D280A238

THIS PAGE INTENTIONALLY LEFT BLANK

-B
2



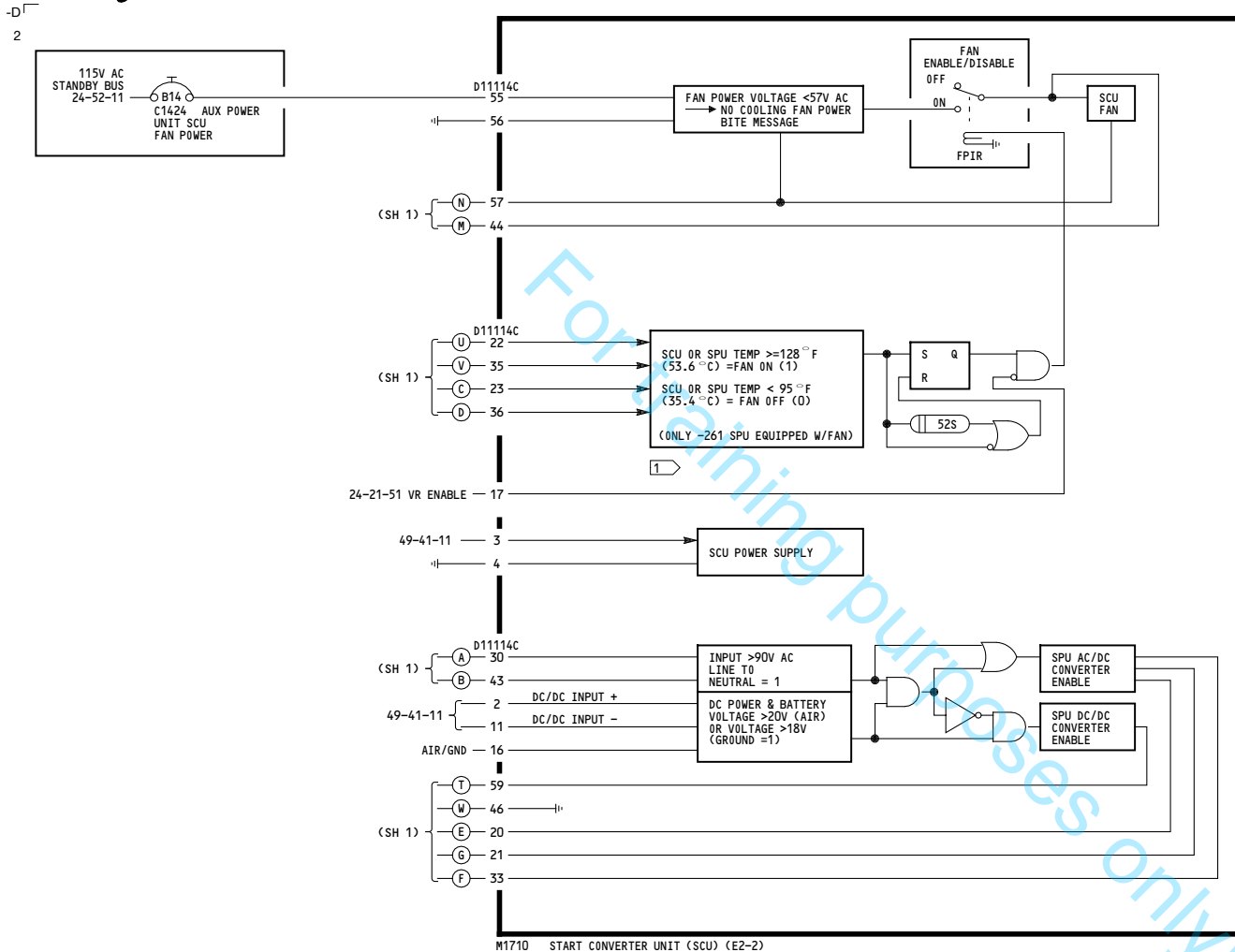
ALL

APU SCU/SPU START SYSTEM LOGIC

D280A238

49-41-02

Page 101
Sheet 1
Jun 30/2009



ALL

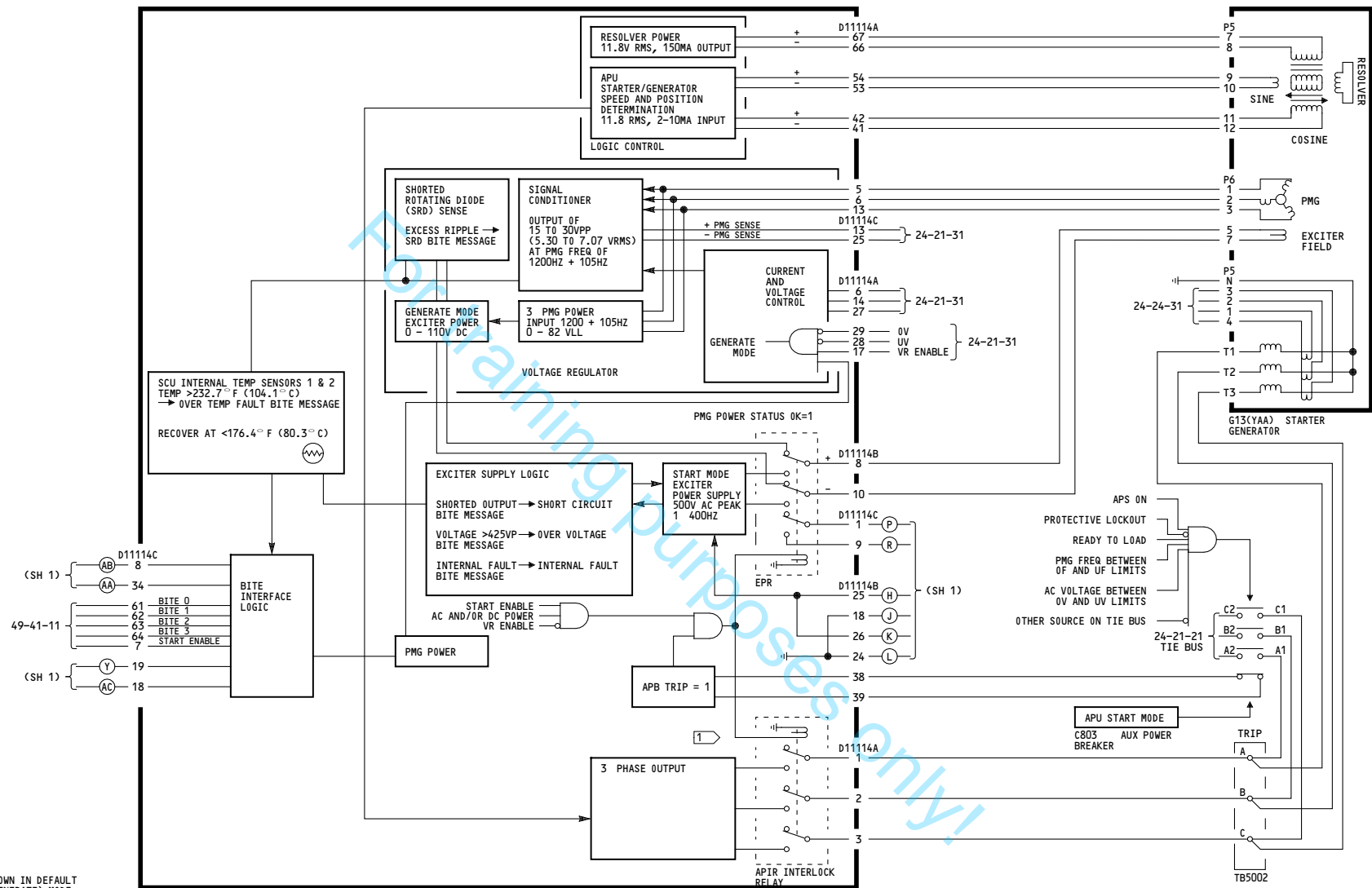
**APU SCU/SPU START
SYSTEM LOGIC**

D280A238

49-41-02

Page 101
Sheet 2
Jun 30/2009

-A
2



1 SHOWN IN DEFAULT (GENERATE) MODE

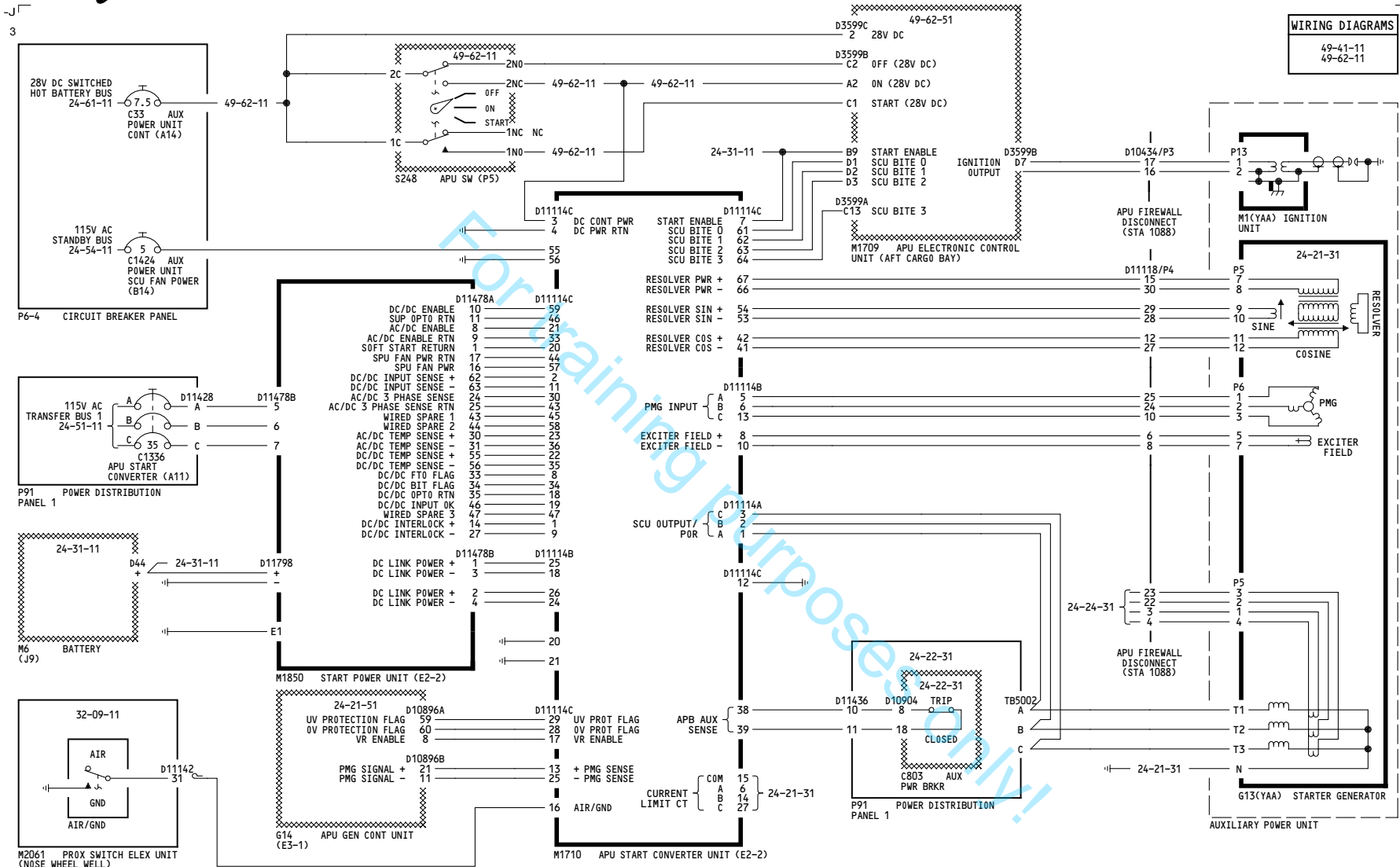
M1710 START CONVERTER UNIT (E2-2)

ALL

APU SCU/SPU START SYSTEM LOGIC

D280A238

49-41-02



WIRING DIAGRAMS
49-41-11
49-62-11

YD001-YD005

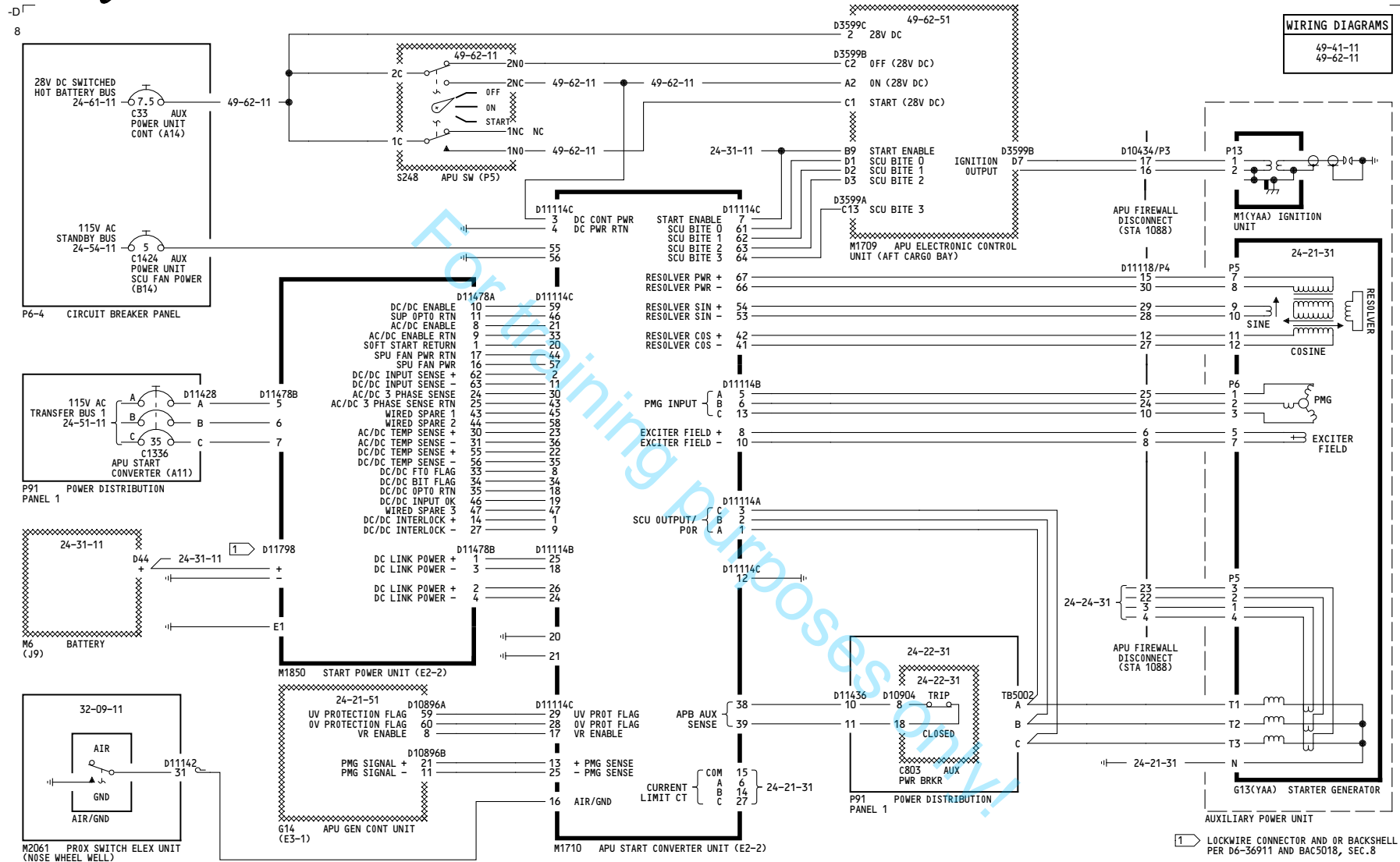
APU IGNITION AND STARTING SYSTEM

D280A238

49-41-11

Page 101

Jan 11/2006



YD006-YD007

APU IGNITION AND STARTING SYSTEM

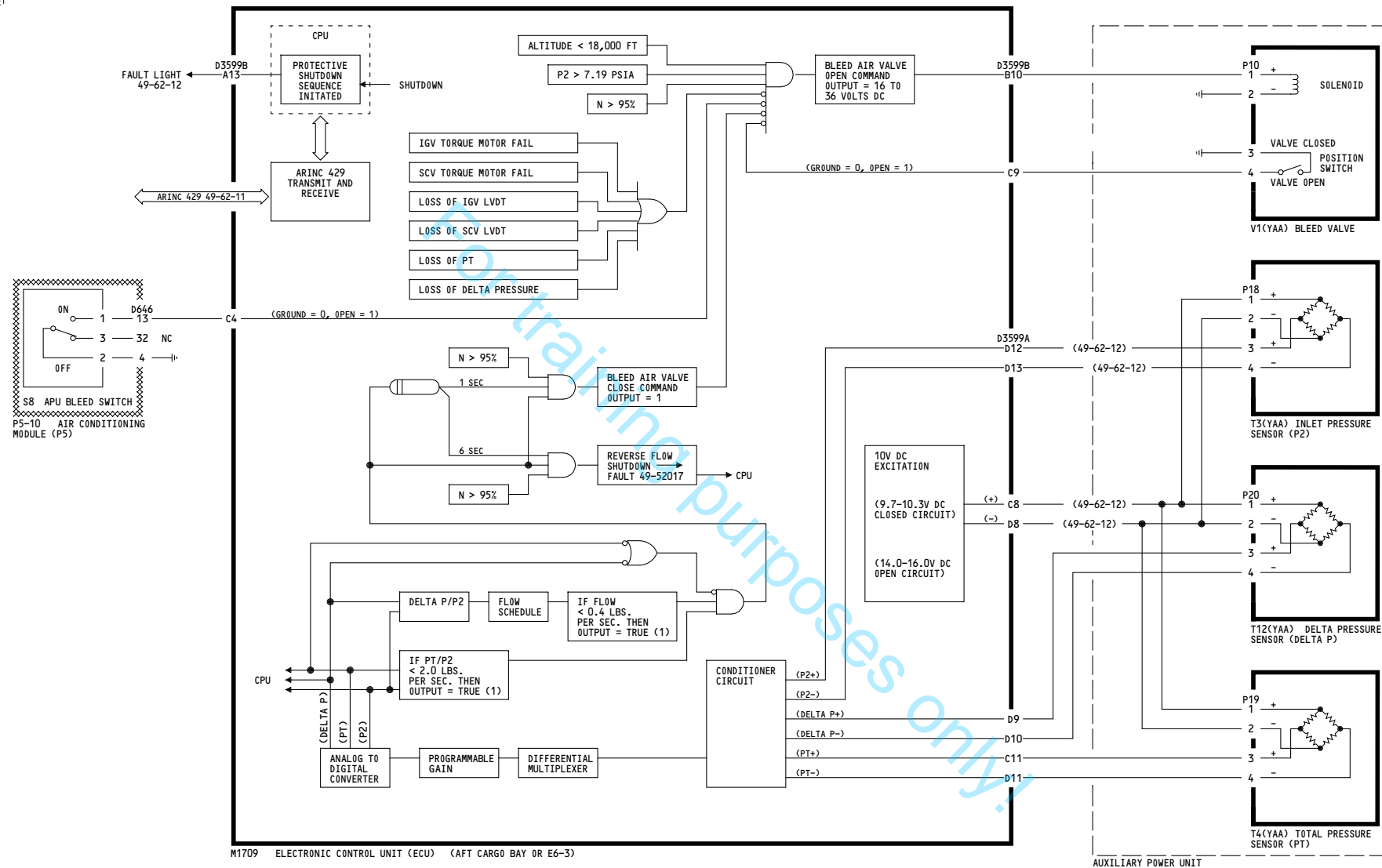
D280A238

49-41-11

Page 102

Jan 11/2006

1

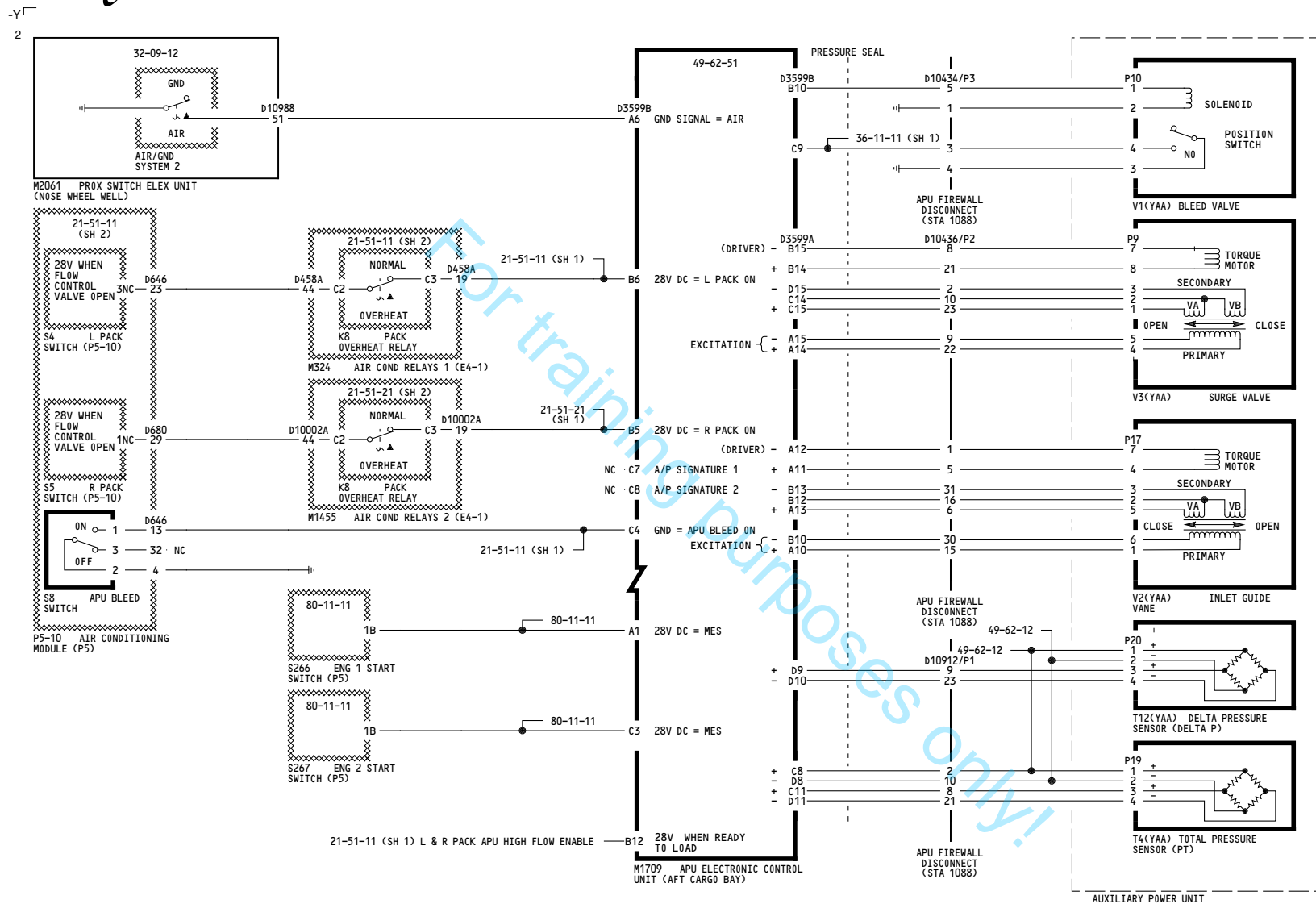


| | |
|-----|---|
| ALL | APU ECU BLEED AIR AND SURGE CONTROL LOGIC |
| | D280A238 |

49-52-01

Page 101

May 02/2008



ALL

APU BLEED AIR AND SURGE CONTROL SYSTEM

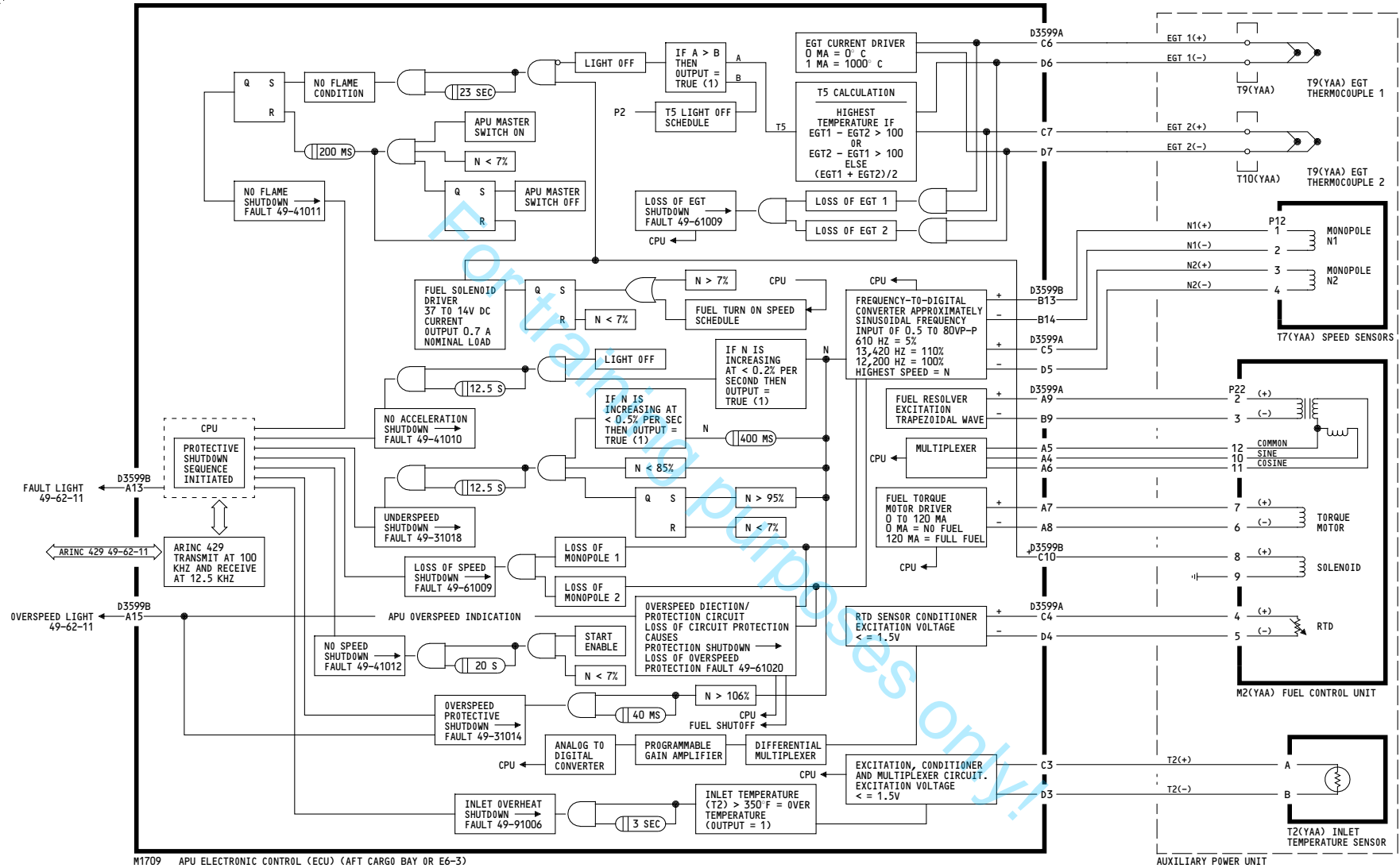
D280A238

49-52-31

Page 101

Jan 11/2006

-E-
1



M1709 APU ELECTRONIC CONTROL (ECU) (AFT CARGO BAY OR E6-3)

AUXILIARY POWER UNIT

ALL

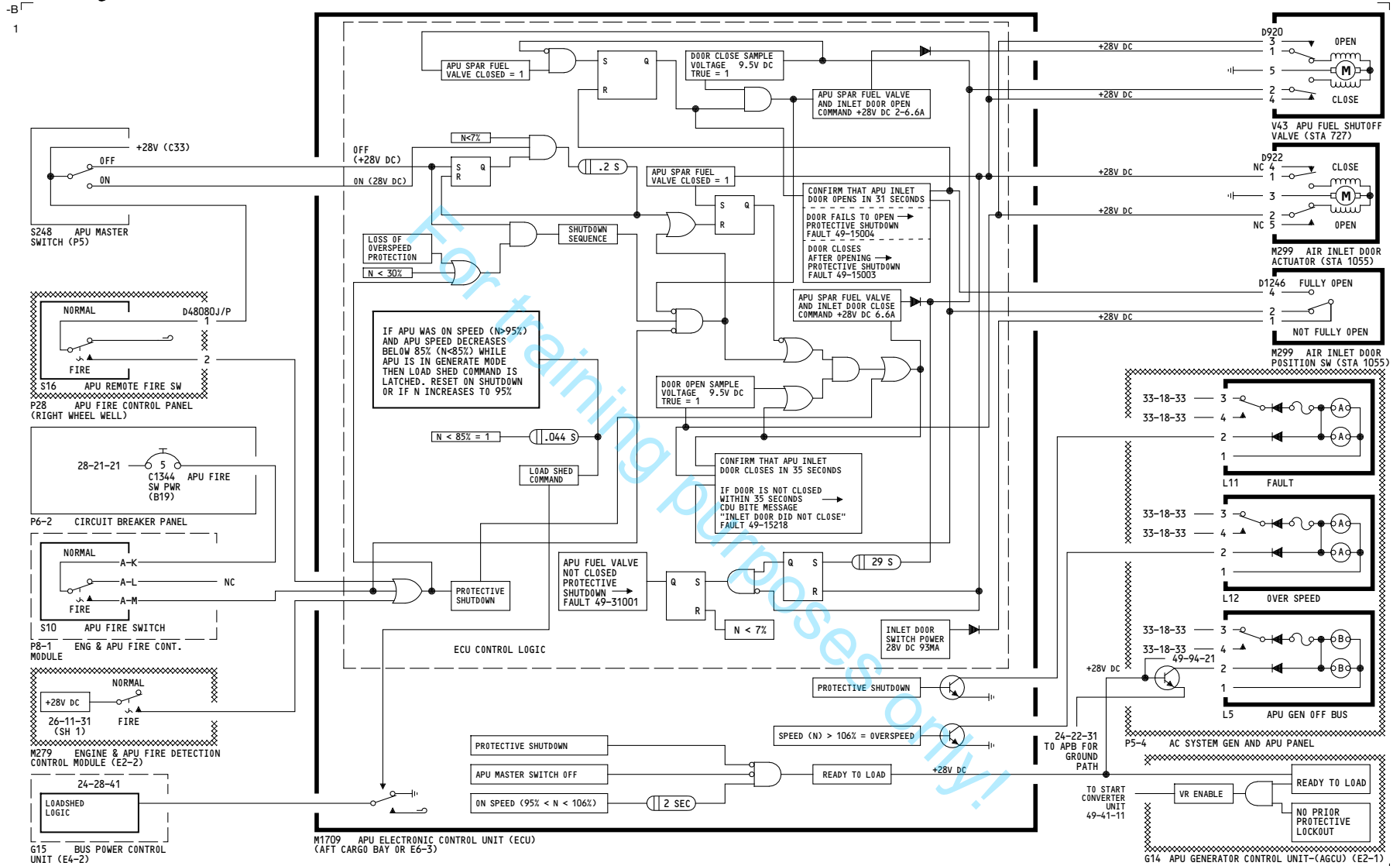
APU CONTROL

49-61-01

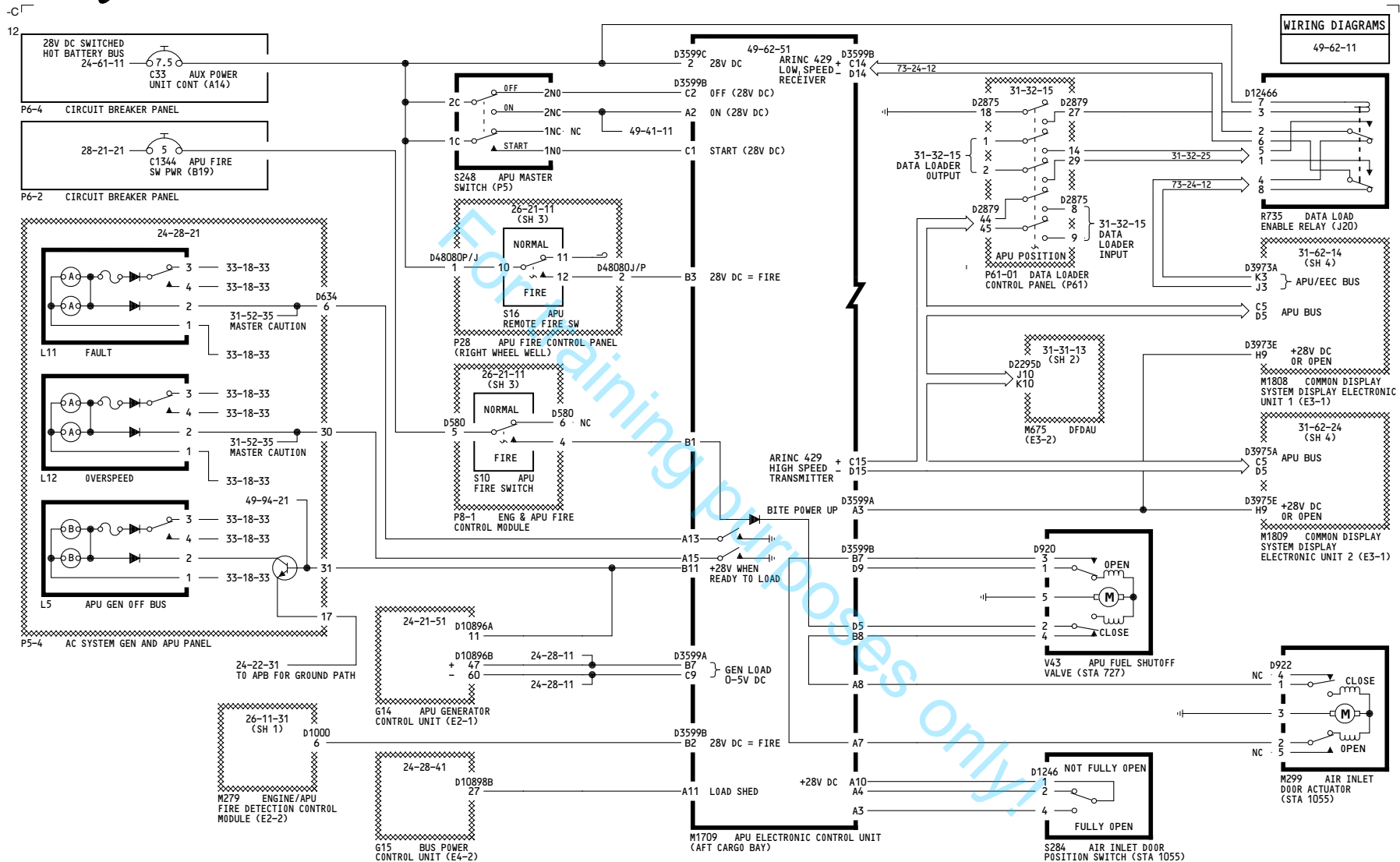
Page 101

Jun 30/2009

D280A238



49-62-01



YD001-YD005

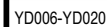
APU CONTROL- AIRPLANE INTERFACE

D280A238

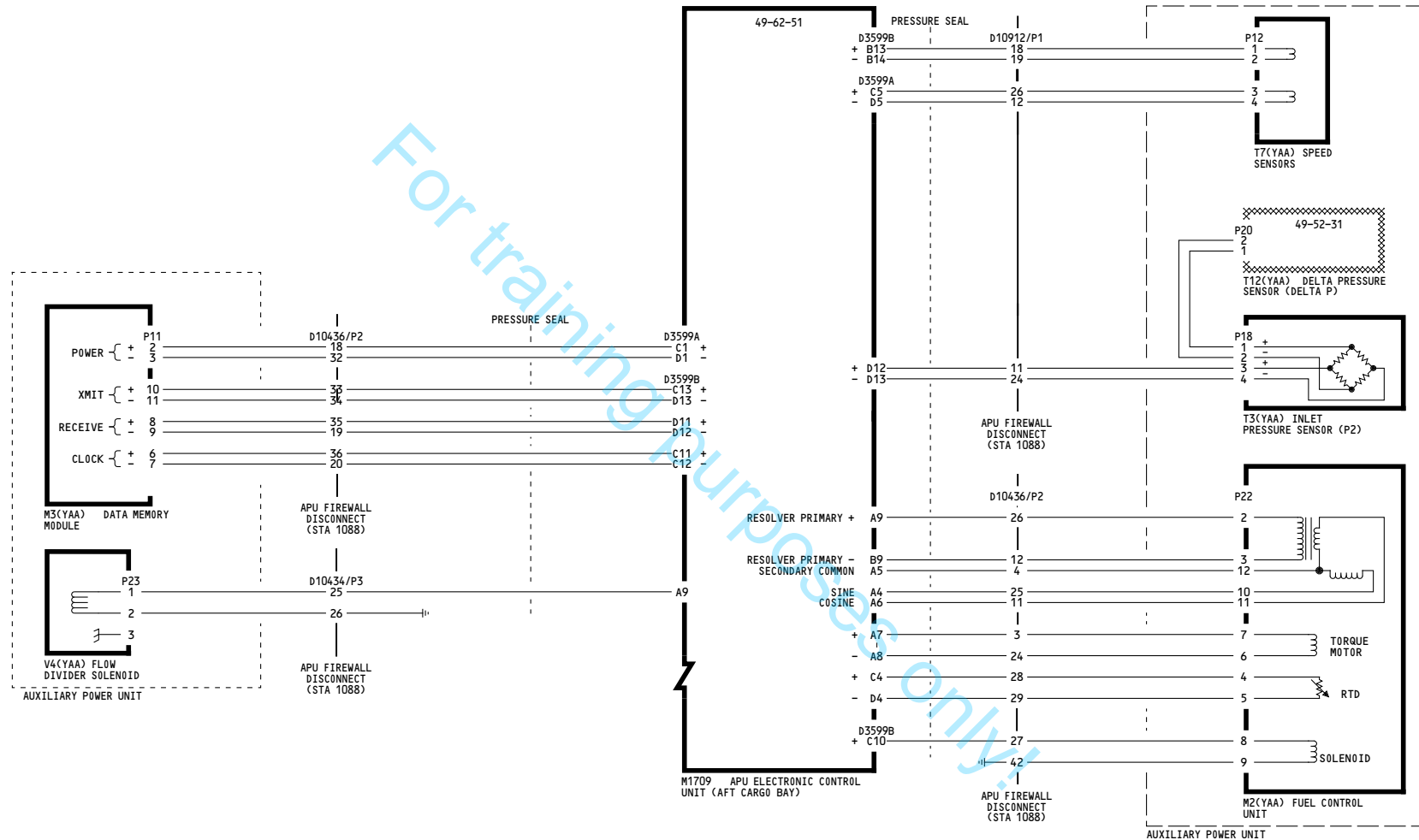
49-62-11

Page 101

Jun 30/2009



49-62-11



ALL

**APU CONTROL-
APU INTERFACE**

D280A238

49-62-12

Page 101

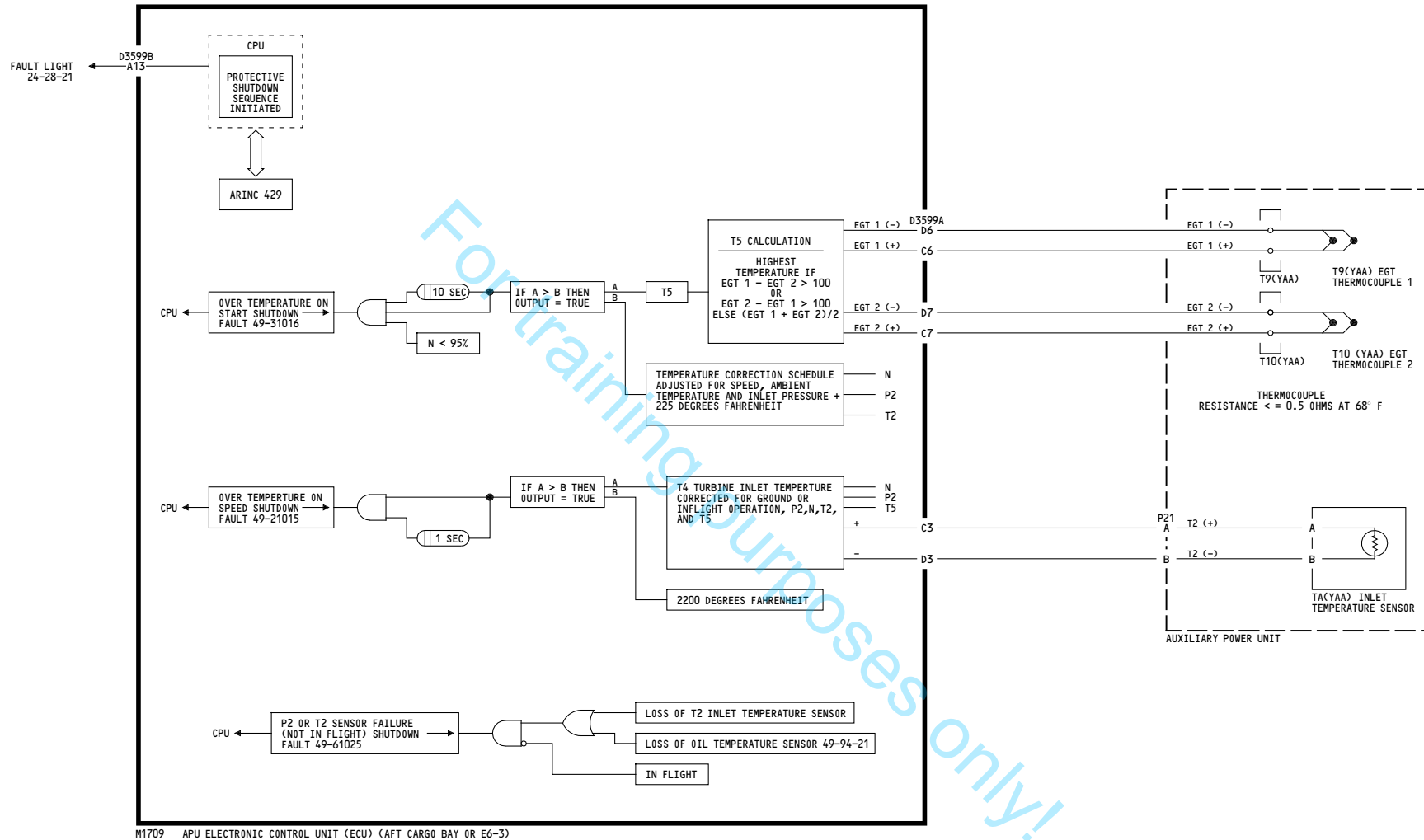
Jan 11/2006



WIRING DIAGRAMS



-B
1



M1709 APU ELECTRONIC CONTROL UNIT (ECU) (AFT CARGO BAY OR E6-3)

ALL

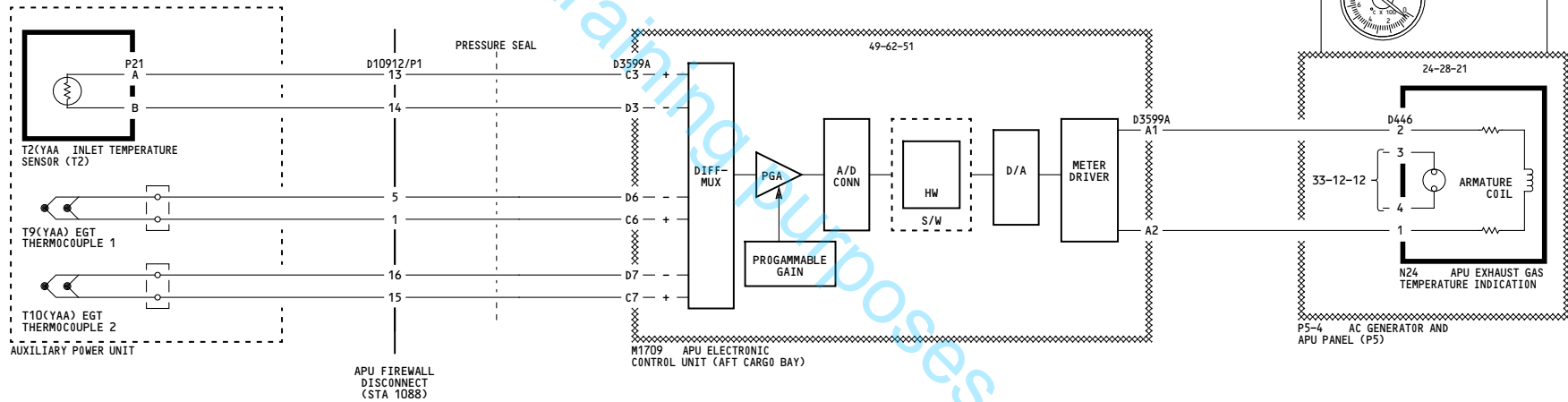
APU EGT INDICATION

49-71-01

Page 101

Jun 30/2009

D280A238



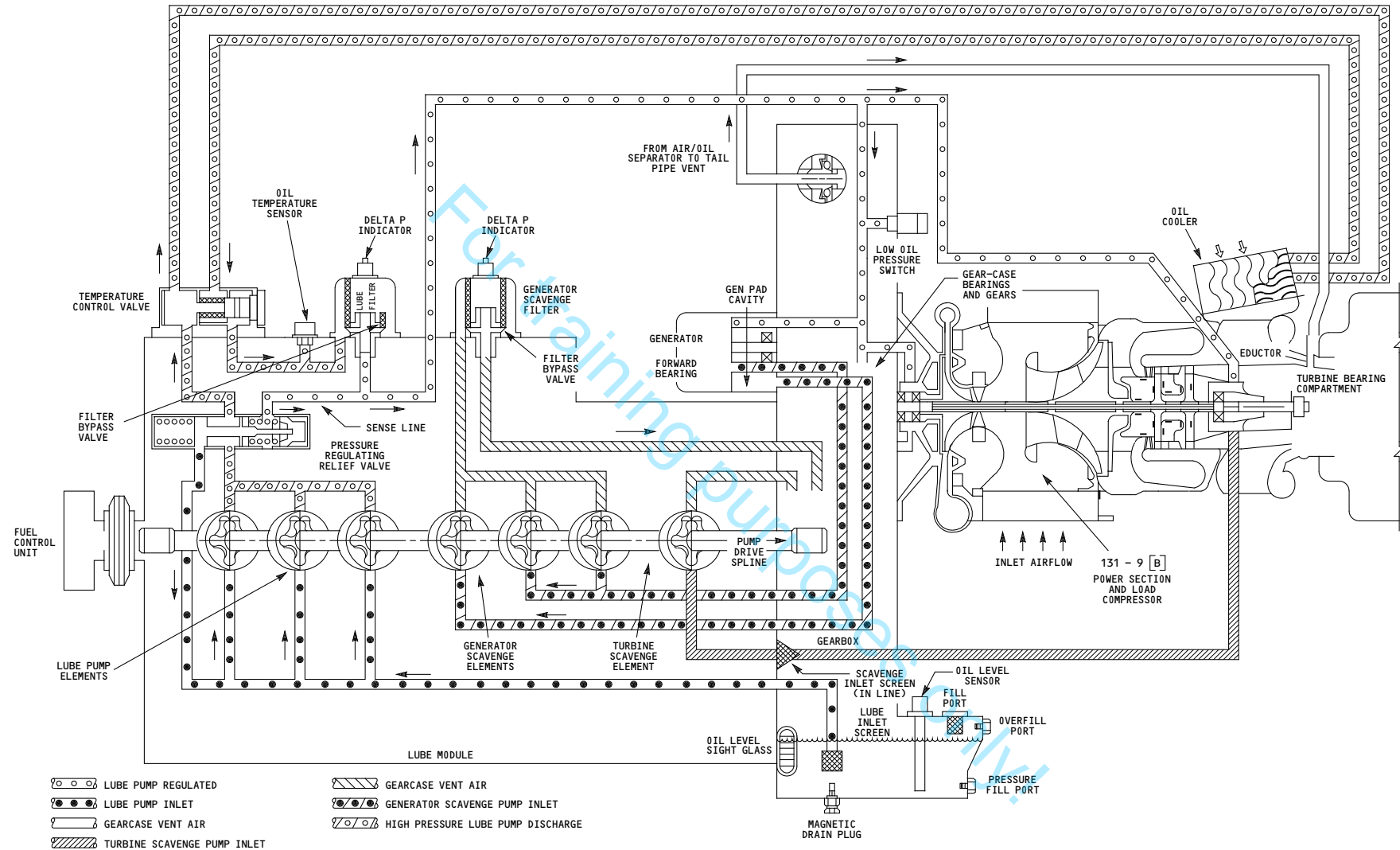
| | |
|-----|----------------|
| ALL | APU EGT SYSTEM |
| | D280A238 |

49-71-21

Page 101

Jan 11/2006

1



ALL

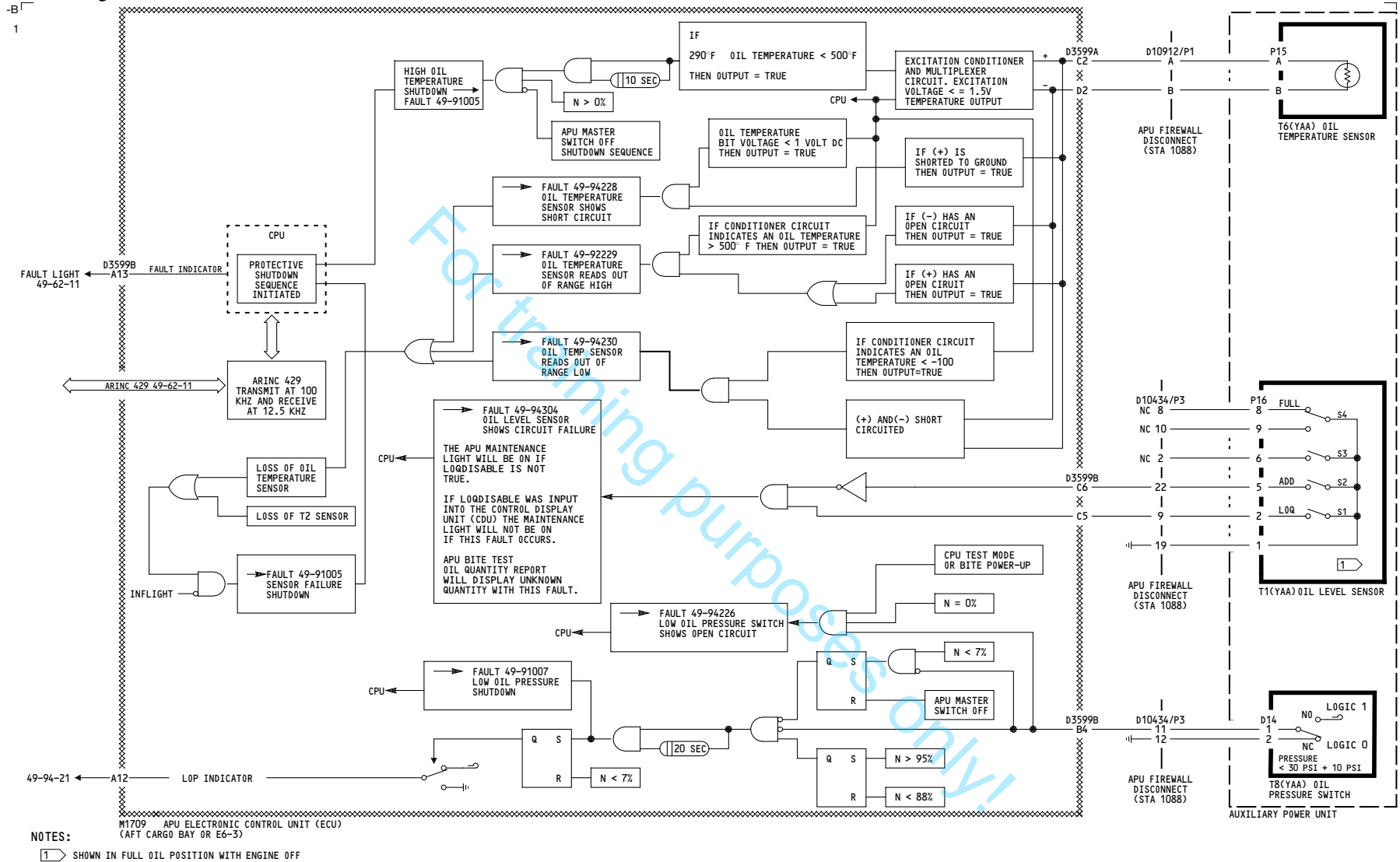
APU OIL DISTRIBUTION

D280A238

49-94-00

Page 101

Jan 11/2006



| | |
|-----|--------------------|
| ALL | APU OIL INDICATION |
| | D280A238 |

49-94-01

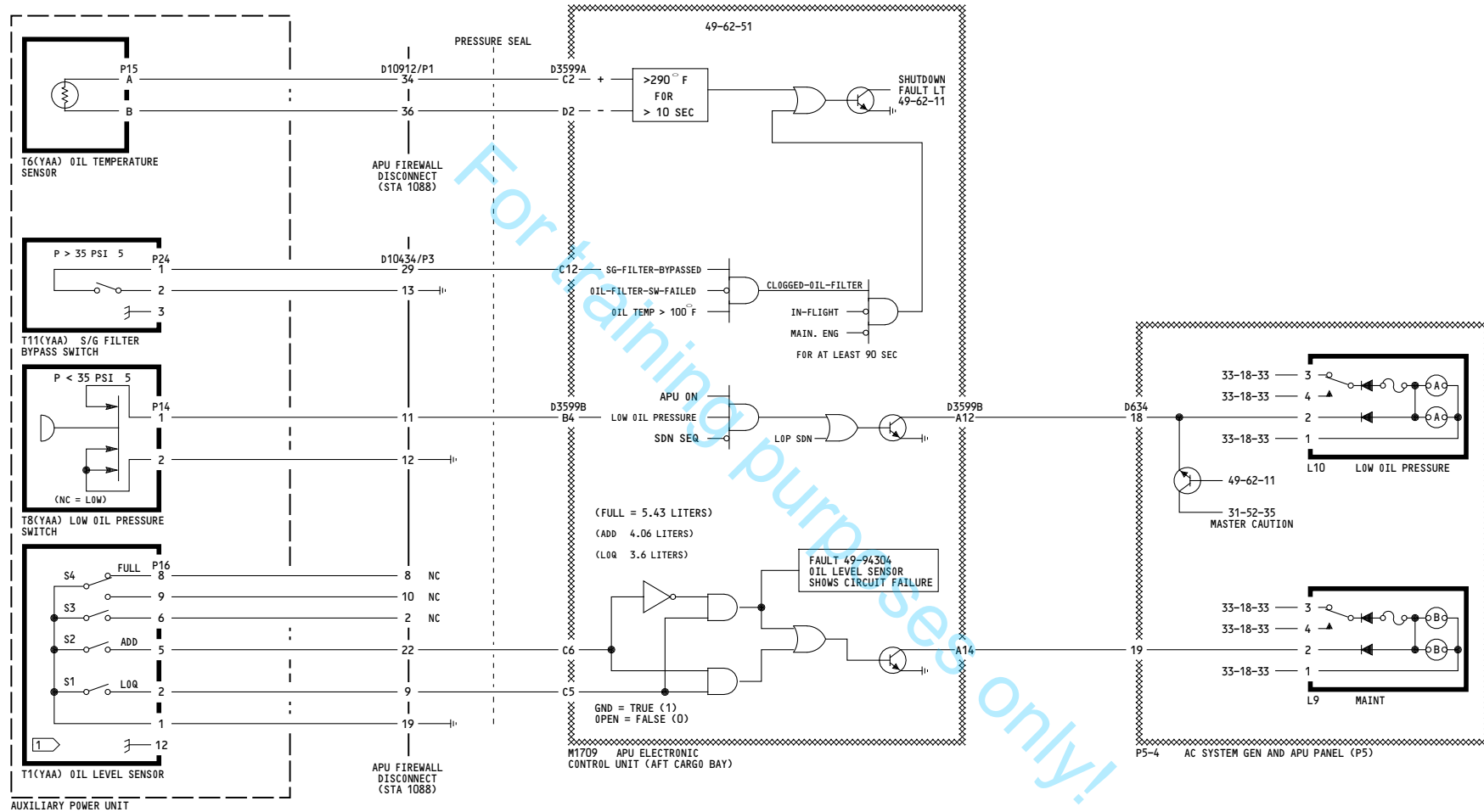
Page 101

Jun 30/2009

AC
1

WIRING DIAGRAMS

49-94-21



49-94-21

Page 101

Jun 30/2009