



AEROSPACE INCORPORATED

Waco Regional Airport • P.O. Box 5500 • Waco, Texas 76708



HALO 350

CENTEX AEROSPACE GWI STC SERIES

ILLUSTRATED PARTS CATALOG

Manual No. 051-40

Revision 1

January 2024



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INTRODUCTION

GENERAL

This manual contains the parts lists for equipment installed on Textron Aviation Inc. (Beechcraft) Super King Air B300 and B300C series airplanes as part of CenTex Aerospace's (CTA) *Halo 350 Conversion*. The Halo 350 Conversion increases the maximum takeoff weight limit and adds an ice mode stall warning system, a takeoff trim warning system, and several additional components to the aircraft.

Refer to the CTA Halo 350 Instructions for Continued Airworthiness Manual no. 051-30 for information about these modifications. For information on wiring and the associated electrical components, see the CTA Halo 350 Wiring Diagram Manual no. 051-50.

In the enclosed parts lists, the default aircraft effectivity is all Super King Air B300 and B300C serial numbers when no serial number range is identified. Parts with a limited effectivity will identify a specific range of serial numbers. Any installation hardware or subcomponent associated with a numbered item will be listed below that item in a bulleted and indented format.

MANUAL UPDATES

A copy of this manual is provided with the STC upon installation. When changes to this manual are made, CenTex Aerospace will provide updates through CenTex's website or direct email. Contact CenTex Aerospace to make other arrangements. If there is a change in airplane ownership or operator, please notify CenTex Aerospace in order to keep all contact information current.

Changes to the manual will be identified by revision number and date in the Revision Log. CenTex will provide the owner with the revised pages, a Revision Log, and an updated List of Effective Pages. The owner, or responsible party, will add or replace the pages affected by the revision and make an entry in the Record of Revisions in order to document the update.

ASSISTANCE

For assistance with any issues related to this STC, contact CenTex Aerospace at the following address or telephone number.

CenTex Aerospace Inc.
P.O. Box 5500
Waco, Texas 76708
(254) 752-4290
<https://www.centex.aero/>



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CHAPTER 11 **PLACARDS AND MARKINGS**

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11-10-01 – AIRSPEED PLACARD INSTALLATION

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FIGURE 02 – INSTRUMENT PANEL, GARMIN G1000 NXi

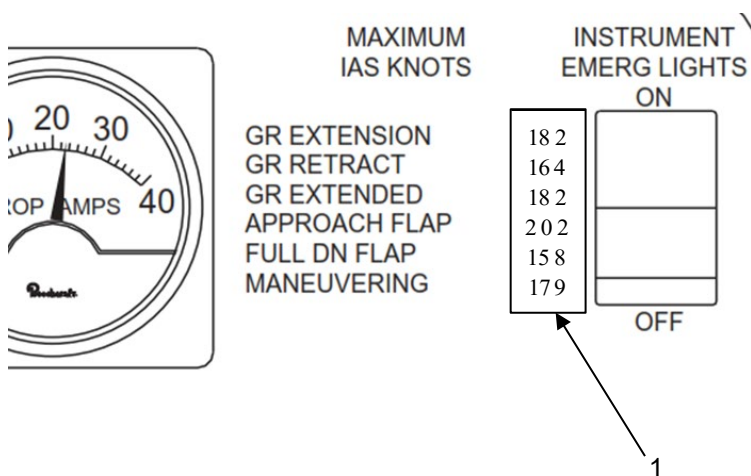
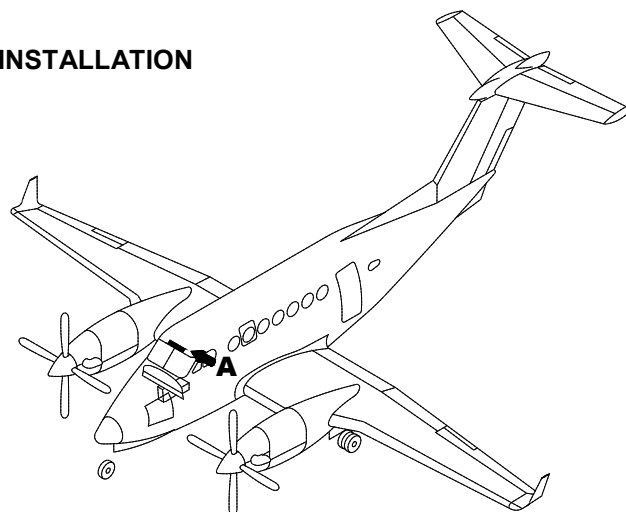


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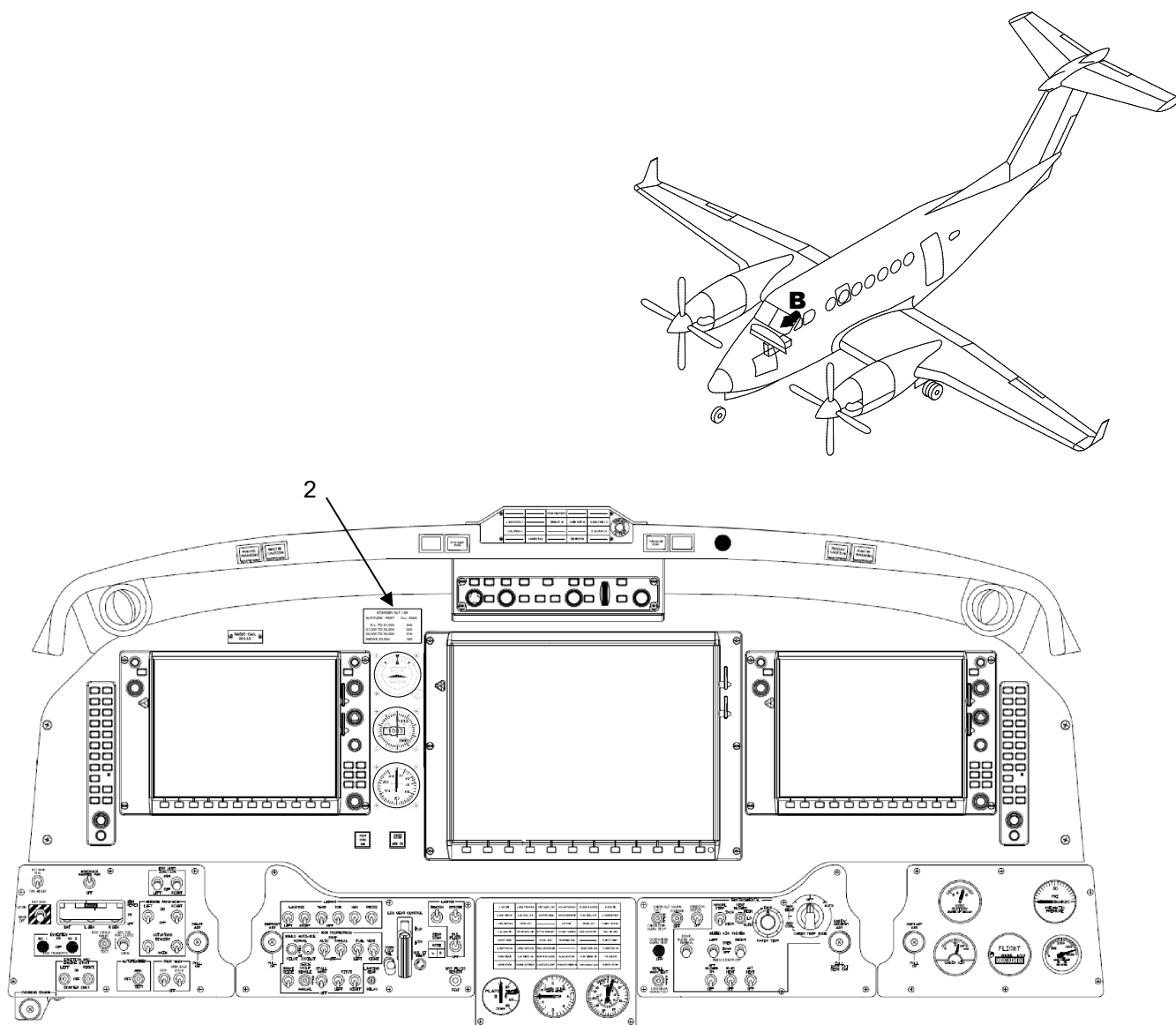
11-10-01 – AIRSPEED PLACARD INSTALLATION



VIEW A

FIGURE 01 – OVERHEAD PANEL

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VIEW B

FIGURE 02 – INSTRUMENT PANEL, GARMIN G1000 NXi



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11-10-01 – AIRSPEED PLACARD INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.	EFFECTIVITY
1	051-7001-2	PLACARD, AIRSPEED (BLACK)	1	
1	051-7001-2G	PLACARD, AIRSPEED (GREY) (ALTERNATE)	1	
2	051-7001-3	PLACARD, GARMIN ALT/AS (BLACK)	1	B300/B300C WITH GARMIN G1000 NXi & MECHANICAL STANDBY AIRSPEED INDICATOR
2	051-7001-3G	PLACARD, GARMIN ALT/AS (GREY) (ALTERNATE)	1	B300/B300C WITH GARMIN G1000 NXi & MECHANICAL STANDBY AIRSPEED INDICATOR



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CHAPTER 27 **FLIGHT CONTROLS**

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27-31-01 – ICE MODE STALL WARNING

FIGURE 01 – INSTRUMENT PANEL

FIGURE 02 – EQUIPMENT PANEL, ORIGINAL

FIGURE 03 – EQUIPMENT PANEL, CURRENT

27-31-03 – TAKEOFF TRIM WARNING

FIGURE 01 – CENTER PEDESTAL

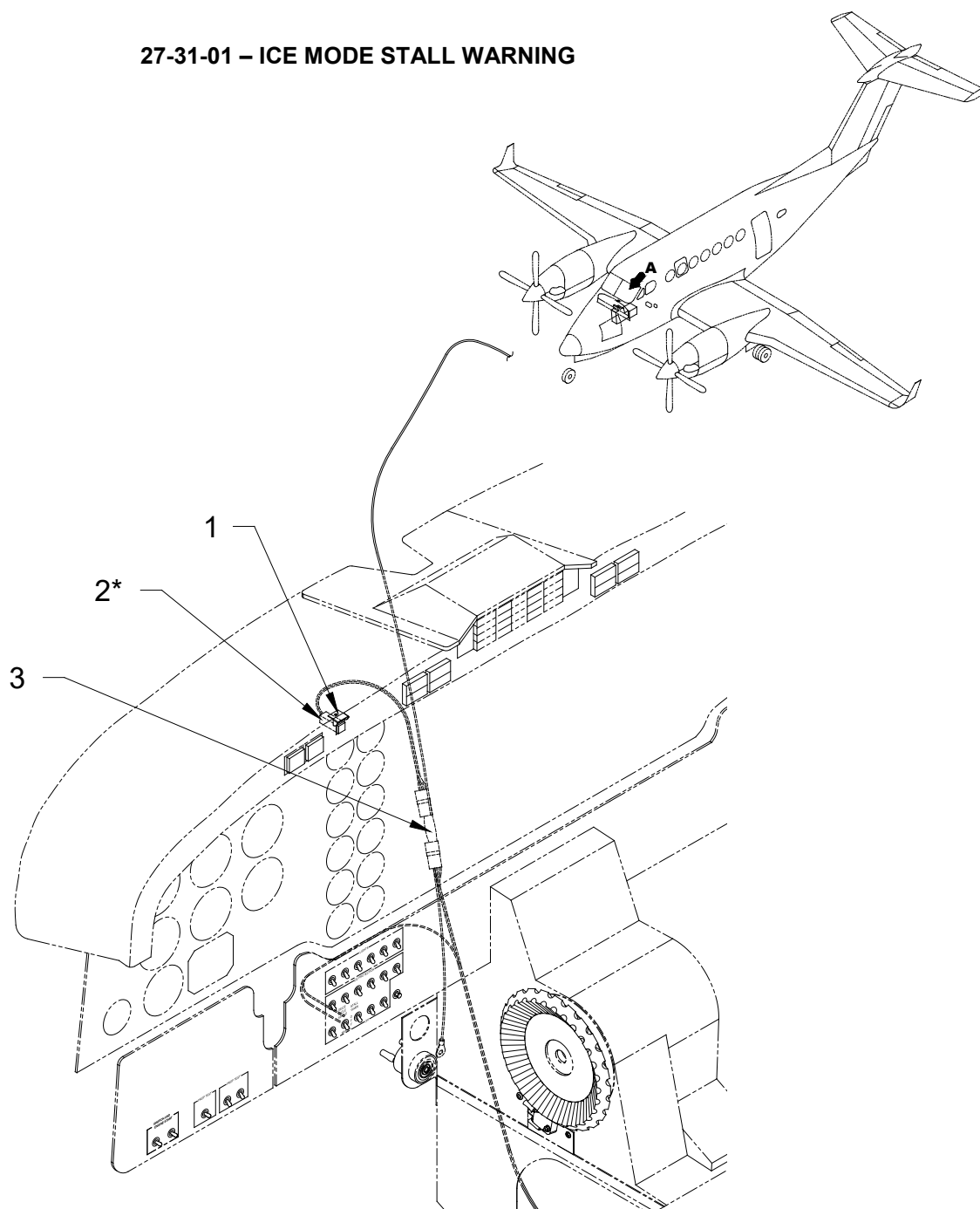


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27-31-01 – ICE MODE STALL WARNING



VIEW A

*Location depends on instrument panel and avionics; original panel shown.

FIGURE 01 – INSTRUMENT PANEL

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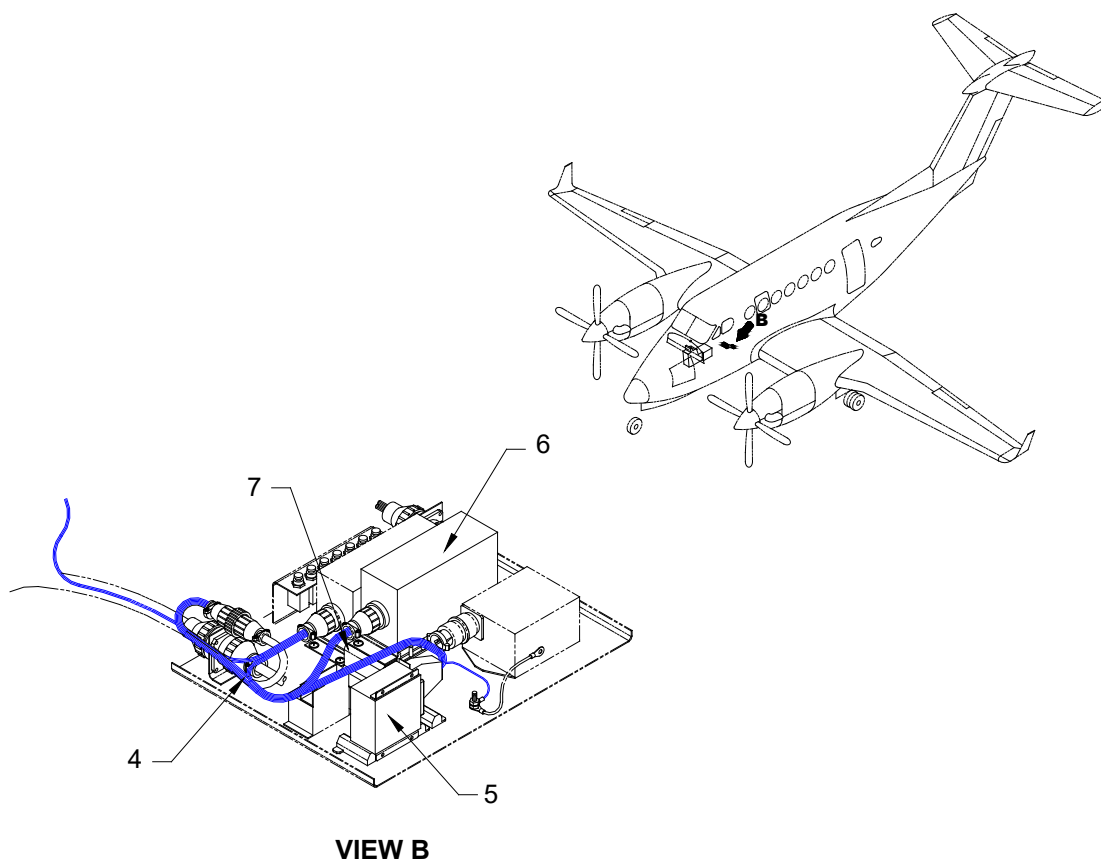


FIGURE 02 – EQUIPMENT PANEL, ORIGINAL

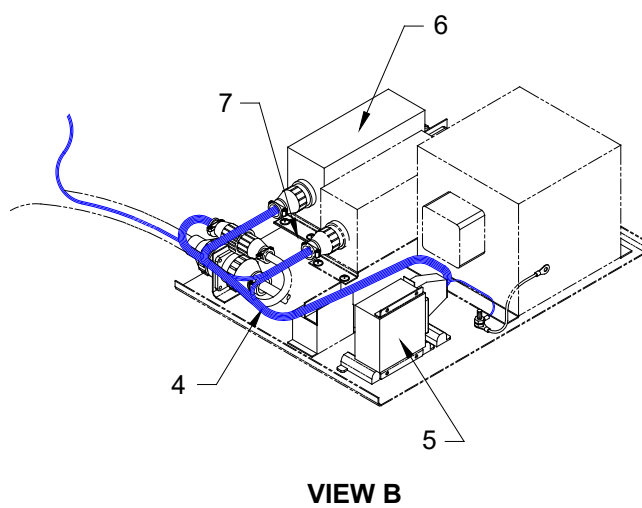


FIGURE 03 – EQUIPMENT PANEL, CURRENT

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27-31-01 – ICE MODE STALL WARNING

ITEM	PART NO.	DESCRIPTION	QTY.	EFFECTIVITY
1	051-1001-0002-1	GLARESHIELD	1	FL-1 THRU FL-119, FL-121 FM-1 THRU FM-8
-	MS35206-214	• SCREW (OPTIONAL)	1	
-	NAS1149FN432P	• WASHER (OPTIONAL)	1	
-	MS21044N04	• NUT (OPTIONAL)	1	
2	006-1011-0005-402	ICE MODE SWITCH ASSY.	1	
3	051-1011-0001-301	DIMMER ASSY.	1	
4	051-1011-0001-101	WIRE ASSY.	1	FL-1 THRU FL-953, FL-955 THRU FL-1009, FL-1011 THRU FL-1030 FM-1 THRU FM-65, FN-1
4	051-1011-0001-201	WIRE ASSY.	1	FL-954, FL-1010, FL-1031 & UP FM-66 & UP
5	MD41-248	RELAY (MID-CONTINENT)	1	
-	MS27039-0806	• SCREW	4	
-	NAS1149FN832P	• WASHER	4	
-	MS21044N08	• NUT	4	
6	C-06106-1	LIFT COMPUTER (SAFE FLIGHT)	1	
-	MS27039-0806	• SCREW	4	
-	NAS1149FN832P	• WASHER	4	
7	051-1001-0001-1	Z-ANGLE ASSY.	2	FL-1 THRU FL-380, FL-382 FM-1 THRU FM-11, FN-1
-	CR3213-4-02	• RIVET	4	
7	006-1010-0003-1	ZEE ANGLE ASSY.	2	FL-381, FL-383 & UP FM-12 & UP
-	CR3213-4-02	• RIVET	4	
-	MS21919WDG4	CLAMP (USED ON ORIGINAL LIFT COMPUTER)	1	FL-1 THRU FL-380, FL-382 FM-1 THRU FM-11, FN-1
-	MS27039-1-08	SCREW (USED ON ORIGINAL LIFT COMPUTER)	1	FL-1 THRU FL-380, FL-382 FM-1 THRU FM-11, FN-1



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27-31-03 – TAKEOFF TRIM WARNING

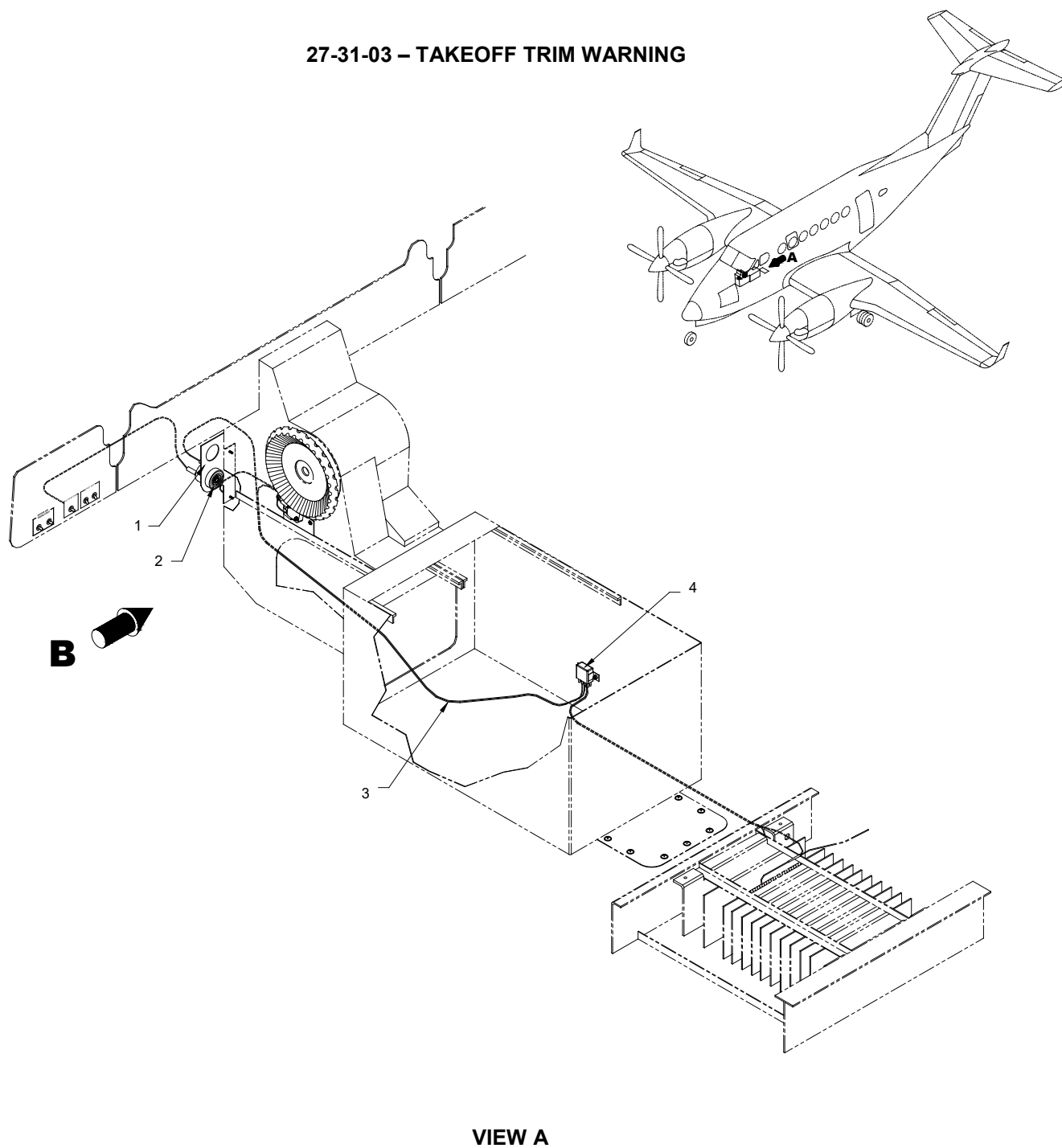
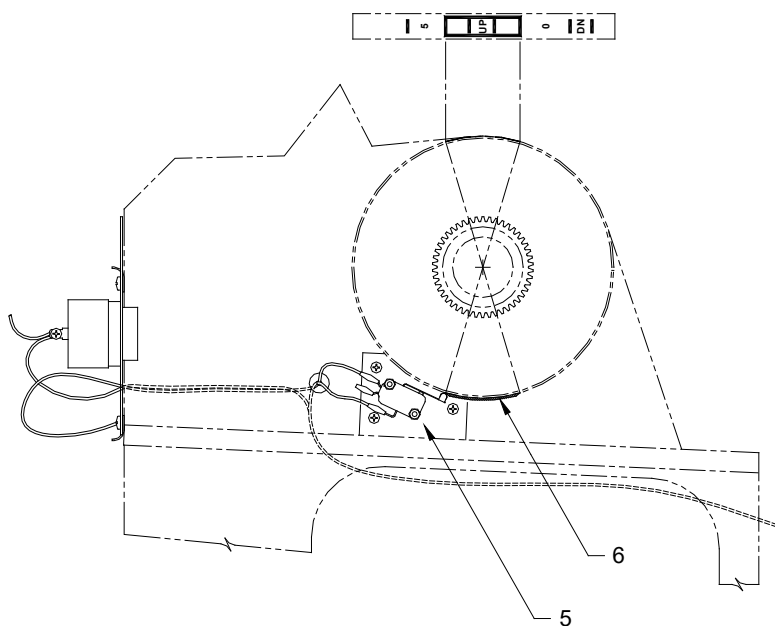


FIGURE 01 – CENTER PEDESTAL

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VIEW B

(ELEVATOR TRIM WHEEL NOT SHOWN)

FIGURE 01 – CENTER PEDESTAL (CONT.)

HALO 350 ILLUSTRATED PARTS CATALOG

27-31-03 – TAKEOFF TRIM WARNING

ITEM	PART NO.	DESCRIPTION	QTY.	EFFECTIVITY
1	006-1006-0002-1	HORN BRACKET	1	
2	SC628NR	HORN	1	
2	SC628	HORN (ALTERNATE)	1	
2	SC628R	HORN (ALTERNATE)	1	
2	SC628ANR	HORN (ALTERNATE)	1	
3	006-1011-0003-101	WIRE ASSY.	1	
4	M83536/10-026M	• RELAY	1	
-	AN526-632R5	○ SCREW	2	
-	NAS1149FN616P	○ WASHER	2	
-	MS21042L06	○ NUT	2	
-	MS21266-1N	• GROMMET	1	
-	MS35489-143	• GROMMET	1	
5	006-1006-0001-2	PLATE ASSY.	1	
-	AN526-632R7	• SCREW	3	
-	MS35333-37	• LOCK WASHER	3	
-	NAS1329A06-75	• RIVET NUT	3	
-	V7-1B17D8-207	• ROLLER SWITCH	1	
6	051-1002-0001-1	TRIGGER PLATE	1	



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CHAPTER 32 **LANDING GEAR**

CONTENTS

32-10-01 – MAIN LANDING GEAR BOLT INSTALLATION

FIGURE 01 – MAIN LANDING GEAR



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32-10-01 – MAIN LANDING GEAR BOLT INSTALLATION

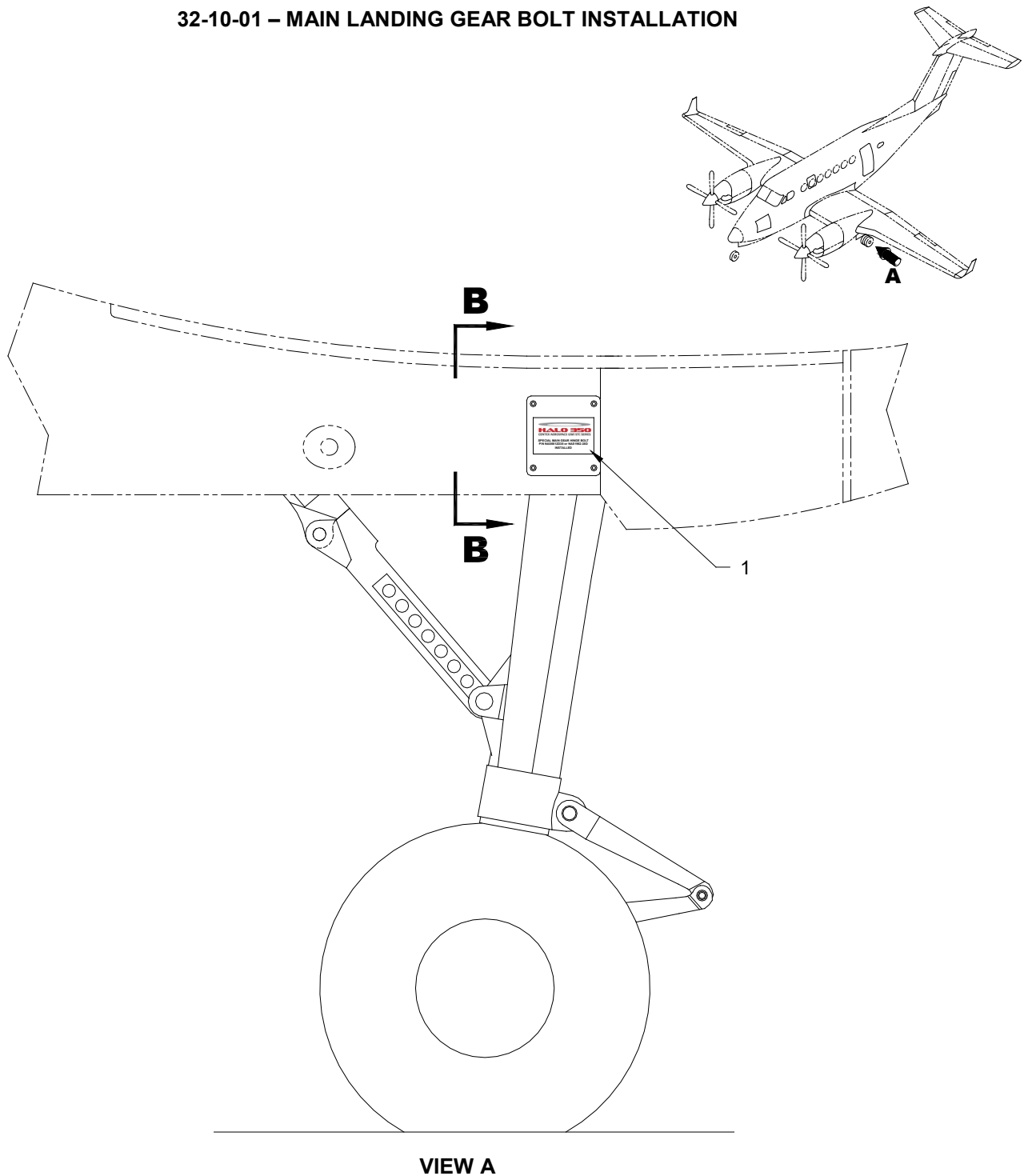
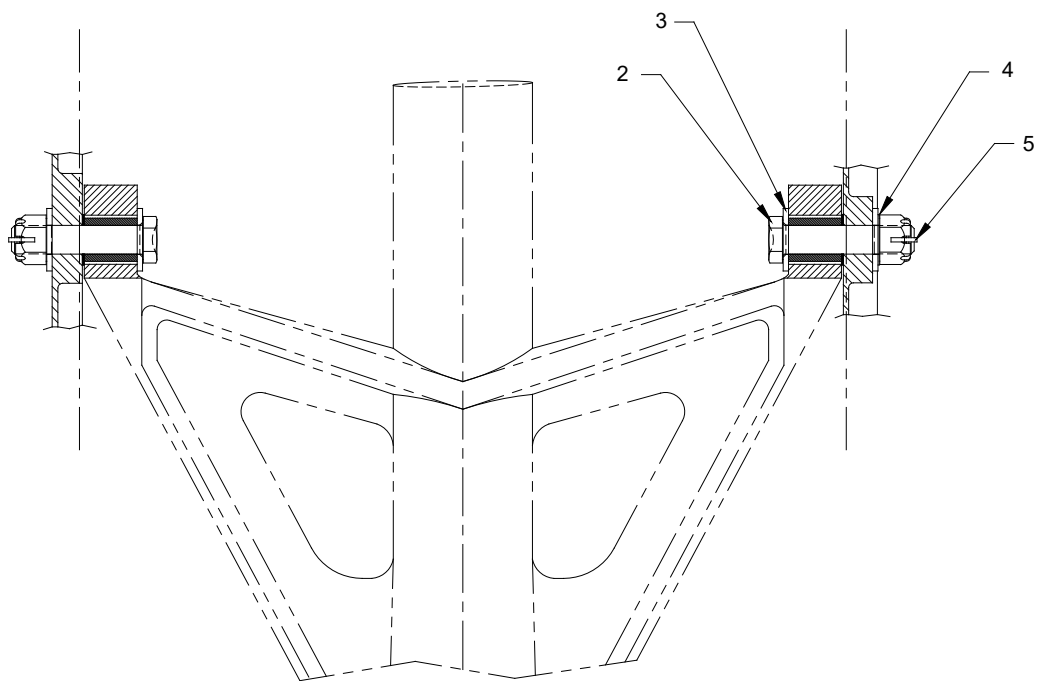


FIGURE 01 – MAIN LANDING GEAR

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VIEW B-B

FIGURE 01 – MAIN LANDING GEAR (CONT.)



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32-10-01 – MAIN LANDING GEAR BOLT INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.	EFFECTIVITY
1	051-7001-1	PLACARD, MLG BOLT	4	
2	NAS6612D38	BOLT	4	
2	NAS1962-38D	BOLT (ALTERNATE)	4	
3	051-1003-0001-1	WASHER, MLG	4	
4	NAS1149F1332P	WASHER (OPTIONAL)	A/R	
4	NAS1149F1290P	WASHER (OPTIONAL)	A/R	
5	MS24665-355	PIN	4	



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CHAPTER 34 **NAVIGATION**

CONTENTS

34-10-01 – OVERSPEED WARNING SWITCH INSTALLATION

FIGURE 01 – NOSE AVIONICS BAY

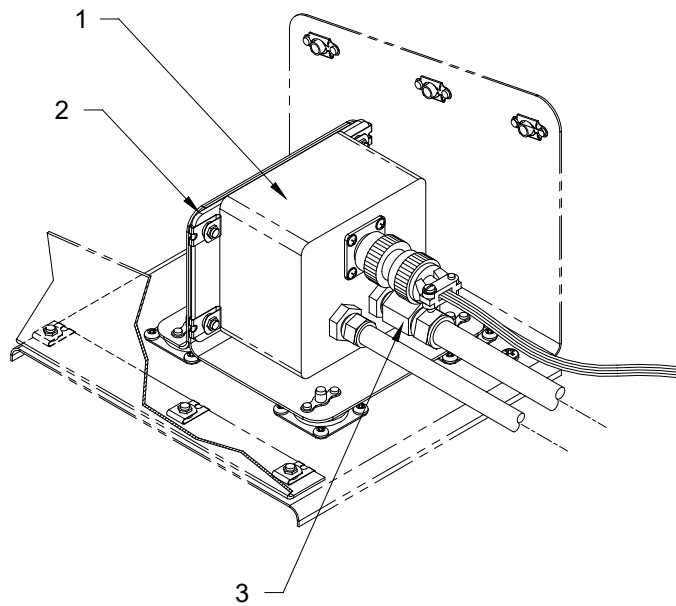
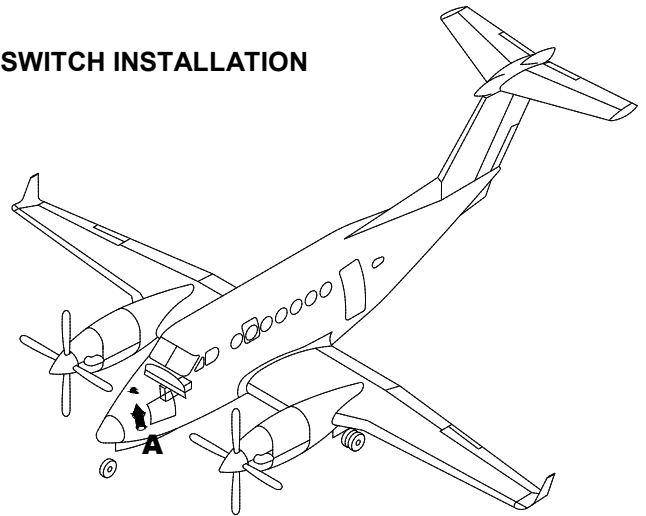


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HALO 350 ILLUSTRATED PARTS CATALOG

34-10-01 – OVERSPEED WARNING SWITCH INSTALLATION



VIEW A

FIGURE 01 – NOSE AVIONICS BAY



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34-10-01 – OVERSPEED WARNING SWITCH INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.	EFFECTIVITY
1	006-1002-0005-1	OVERSPEED WARNING SWITCH (SETTING NO. 2)	1	FL-1 THRU FL-92 FM-1 THRU FM-8
-	MS27039-0808	• SCREW	4	
-	NAS1149FN816P	• WASHER	4	
-	130007	• NUT CLIP	4	
2	051-1004-0001-1	SUPPORT ASSY.	1	FL-1 THRU FL-92 FM-1 THRU FM-8
-	MS27039-0812	• SCREW	4	
-	NAS1149FN816P	• WASHER	4	
3	051-1004-0020-1	ADAPTER	1	FL-1 THRU FL-92 FM-1 THRU FM-8
3	6-4 XHX6-S	FITTING, EXTENDER/EXPANDER (PARKER) (ALTERNATE)	1	FL-1 THRU FL-92 FM-1 THRU FM-8



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