

**TITLE**

LANDING GEAR - LANDING GEAR WARNING HORN REPLACEMENT

**EFFECTIVITY****MODEL**

335

340

340A

**SERIAL NUMBERS**

335-0001 thru 335-0065

340-0001 thru 340-0555

340A0001 thru 340A1817

**REASON**

The original landing gear warning horn is no longer available. If the landing gear warning horn needs to be replaced, a new landing gear warning horn is available and will require an additional bracket for installation.

**DESCRIPTION**

This service document provides parts and instructions to remove the original landing gear warning horn and install a new landing gear warning horn.

**NOTE:** If the customer would like to replace the stall warning horn in conjunction with the landing gear warning horn, refer to MEB-34-06: Stall Warning Horn Replacement.

**NOTE:** Different configurations may be installed on the aircraft.

- **CONFIGURATION 1:** Aircraft replacing the 9910080-1 Landing Gear Warning Horn and the 9910080-2 Stall Warning Horn.
- **CONFIGURATION 2:** Aircraft replacing only the 9910080-1 Landing Gear Warning Horn.
- **CONFIGURATION 3:** Aircraft that have installed **CONFIGURATION 2**, from MEB-34-06: Stall Warning Horn Replacement, that have a 9910080-6 Stall Warning Horn, and the 9910080-1 Landing Gear Warning Horn needs to be replaced.

**NOTE:** The removal and installation procedures are the same for all Model 335 and 340/340A airplanes.

**COMPLIANCE**

OPTIONAL. This service document can be accomplished at the discretion of the owner.

A service document published by Textron Aviation may be recorded as *completed* in an aircraft log only when the following requirements are satisfied:

- 1) The mechanic must complete all of the instructions in the service document, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service document kit. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The mechanic or airplane owner must use the technical data in the service document only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service document only to aircraft serial numbers identified in the *Effectivity* section of the document.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

October 11, 2022

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Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-owned Service Center.

**APPROVAL**

Textron Aviation received FAA approval for the technical data in this publication that changes the airplane type design.

**FLIGHT CREW OPERATIONS**

No Changes

**CONSUMABLE MATERIAL**

You must use the consumable materials that follow, or their equivalent, to complete this service document.

NAME	NUMBER	MANUFACTURER	USE
Color Chemical Film Treatment	Alodine 1132 Touch n Prep Pen	Commercially Available	To protect bare aluminum surface.

**TOOLING**

No specialized tooling is required to complete this service document.

**WEIGHT AND BALANCE INFORMATION**

Negligible

**REFERENCES**

Cessna Model 335 Maintenance Manual

Cessna Model 340 Parts Catalog

Cessna Model 340 and 340A (1972-1984) Service Manual.

MEB-34-06: Stall Warning Horn Replacement

**NOTE:** To make sure all publications used are complete and current. Refer to [www.txtavsupport.com](http://www.txtavsupport.com).

**PUBLICATIONS AFFECTED**

Cessna Model 335 Parts Catalog

Cessna Model 340 Parts Catalog

**ACCOMPLISHMENT INSTRUCTIONS**

1. Prepare the airplane for maintenance.
  - A. Make sure that the airplane is electrically grounded.
  - B. Make sure that all switches are in the OFF/NORM position.
  - C. Disconnect electrical power from the airplane.
    - (1) Disconnect external electrical power.
    - (2) Disconnect the airplane battery.

- D. Attach maintenance warning tags to the battery and external power receptacle that have **"DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS"** written on them.

**NOTE:** Use the references that follow for the removal and operational procedures.

**MODEL 335**

- Model 335 Maintenance Manual Chapter 32, Position and Warning - Maintenance Practices.

**MODEL 340 and 340A**

- Model 340 Parts Catalog Section 2 Part 1 - Group Assembly Parts List - Airplane Assembly, Figure 164 - Electrical Equipment Installation.
- Model 340 and 340A (1972-1984) Service Manual.

2. Gain access as required to get to the 9910080-1 Landing Gear Warning Horn.

**CONFIGURATION 1**

3. (For Model 340 Refer to Figure 1, Sheet 1, and for Model 335/340A Figure 2, Sheet 1.) Remove the 9910080-1 Landing Gear Warning Horn as follows:
- A. Remove and discard the screw and lock washer from the 9910080-1 Landing Gear Warning Horn.
  - B. Disconnect and label the electrical wiring from the 9910080-1 Landing Gear Warning Horn.
  - C. Discard all electrical hardware from the 9910080-1 Landing Gear Warning Horn.
  - D. Discard the 9910080-1 Landing Gear Warning Horn.
  - E. Remove and discard the screw and lock washer from the 9910080-2 Stall Warning Horn.
  - F. Disconnect and label the electrical wiring from the 9910080-2 Stall Warning Horn.
  - G. Discard all electrical hardware from the 9910080-2 Stall Warning Horn.
  - H. Discard the 9910080-2 Stall Warning Horn.
  - I. Remove and keep the mounting screws from the 5118331-X Channel.

**NOTE:** The kept mounting screws will be used during installation.

- J. Discard the 5118331-X Channel.
4. (For Model 340 Refer to Figure 3, Sheet 1 and 2, and for Model 335/340A Figure 4, Sheet 1 and 2.) Install the 9910080-5 Landing Gear Warning Horn as follows:

**NOTE:** To install the 9910080-6 Stall Warning Horn, reference **CONFIGURATION 1** procedures and parts from MEB-34-06: Stall Warning Horn Replacement.

- A. (For Model 340 airplanes.) Match drill the two Number 24 (0.152 inch diameter) holes of the 5318100 Plate Assembly to the 5290604-5 Bracket.
  - (1) Deburr the drilled holes from the 5290604-5 Bracket.
  - (2) Apply Color Chemical Film Treatment to all bare metal.
  - (3) Install the 5290604-5 Bracket with the two kept mounting screws and the two NAS1149FN632P Washers into the 5318100 Plate Assembly.
  - (4) Go to Step 4C.
- B. (For Model 335/340A airplanes.) Match drill the two Number 11/64 (0.172 inch diameter) holes of the 5318100 Plate Assembly to the 5290604-5 Bracket.
  - (1) Deburr the drilled holes from the 5290604-5 Bracket.
  - (2) Apply Color Chemical Film Treatment to all bare metal.

- (3) Install the 5290604-5 Bracket with the two kept mounting screws and the two NAS1149FN832P Washers into the 5318100 Plate Assembly.

- C. Install the 9910080-5 Landing Gear Warning Horn into the 5290604-5 Bracket.
- D. Install the knurled nut onto the 9910080-5 Landing Gear Warning Horn.

**NOTE:** The plastic knurled nut must be installed with the three indents toward the bracket and horn assembly. On the internal circumference, the smooth side without threads is installed first, towards the bracket and horn. This technique of installation will make sure the nut fully seats against the bracket and not bottom-out on the threads. If not installed correctly the knurled nut will bottom-out on the threads and the horn assembly will not be fully tightened in the bracket.

- E. Install the labeled electrical wiring, screws, and the two MS35333-37 Lock Washers into the 9910080-5 Landing Gear Warning Horn.

**NOTE:** The screws are supplied with the 9910080-5 Landing Gear Warning Horn.

5. Install the 9910080-6 Stall Warning Horn. (Refer to MEB-34-06: Stall Warning Horn Replacement, **CONFIGURATION 1.**)
6. Do the operational check of the 9910080-5 Landing Gear Warning Horn as follows:
  - A. Remove the maintenance warning tags and connect the airplane battery.
  - B. Jack the airplane until all tires are off of the ground.
  - C. Retract the landing gear to the up and locked position.
  - D. Put the flap lever to the full down position.

**NOTE:** The landing gear warning horn should produce an audible sound once the flaps are at the approach position.

- E. Put the flap lever to the full up position.
  - F. Extend the landing gear to the down and locked position.
  - G. Put the aircraft onto the ground and remove the aircraft jacks.
7. Go to Step 19.

#### **CONFIGURATION 2**

8. (For Model 340 Refer to Figure 1, Sheet 1, and for Model 335/340A Figure 2, Sheet 1.) Remove the 9910080-1 Landing Gear Warning Horn as follows:
    - A. Remove and discard the screw and lock washer from the 9910080-1 Landing Gear Warning Horn.
    - B. Disconnect and label the electrical wiring from the 9910080-1 Landing Gear Warning Horn.
    - C. Discard all electrical hardware from the 9910080-1 Landing Gear Warning Horn.
    - D. Discard the 9910080-1 Landing Gear Warning Horn.
    - E. Remove and keep the screw and lock washer from the 9910080-2 Stall Warning Horn.
- NOTE:** The kept screw and lock washer will be used during installation.
- F. Keep the 9910080-2 Stall Warning Horn.
- NOTE:** The kept 9910080-2 Stall Warning Horn will be used during installation.
- G. Remove and keep the mounting screws from the 5118331-X Channel.
- NOTE:** The kept mounting screws will be used during installation.
- H. Discard the 5118331-X Channel.

9. (For Model 340 Refer to Figure 5, Sheet 1 and 2, and for Model 335/340A Figure 6, Sheet 1 and 2.) Install the 9910080-5 Landing Gear Warning Horn as follows:
  - A. (For Model 340 airplanes.) Match drill the two Number 24 (0.152 inch diameter) holes of the 5318100 Plate Assembly to the 5290604-3 Bracket.
    - (1) Debur the drilled holes from the 5290604-3 Bracket.
    - (2) Apply Color Chemical Film Treatment to all bare metal.
    - (3) Install the 5290604-3 Bracket with the two kept mounting screws and the two NAS1149FN632P Washers into the 5318100 Plate Assembly.
    - (4) Go to Step 9C.
  - B. (For 335/340A airplanes.) Match drill the two Number 11/64 (0.172 inch diameter) holes of the 5318100 Plate Assembly to the 5290604-3 Bracket.
    - (1) Debur the drilled holes from the 5290604-3 Bracket.
    - (2) Apply Color Chemical Film Treatment to all bare metal.
    - (3) Install the 5290604-3 Bracket with the two kept mounting screws and the two NAS1149FN832P Washers into the 5318100 Plate Assembly.
  - C. Install the 9910080-5 Landing Gear Warning Horn into the 5290604-3 Bracket.
  - D. Install the knurled nut onto the 9910080-5 Landing Gear Warning Horn.

**NOTE:** The plastic knurled nut must be installed with the three indents toward the bracket and horn assembly. On the internal circumference, the smooth side without threads is installed first, towards the bracket and horn. This technique of installation will make sure the nut fully seats against the bracket and not bottom-out on the threads. If not installed correctly the knurled nut will bottom-out on the threads and the horn assembly will not be fully tightened in the bracket.
  - E. Install the labeled electrical wiring, screws, and the two MS35333-37 Lock Washers into the 9910080-5 Landing Gear Warning Horn.

**NOTE:** The screws are supplied with the 9910080-5 Landing Gear Warning Horn.
10. Install the 9910080-2 Stall Warning Horn into the 5290604-3 Bracket with the kept screw and lock washer.
11. Do the operational check for the stall warning horn as follows:
  - A. Remove the maintenance warning tags and connect the airplane battery.
  - B. Put the avionics power switch to the ON position.
  - C. On the left wing tip, activate the stall vane by pushing the tab up.

**NOTE:** The stall warning horn should produce an audible sound.
12. Do the operational check of the 9910080-5 Landing Gear Warning Horn as follows:
  - A. Jack the airplane until all tires are off of the ground.
  - B. Retract the landing gear to the up and locked position.
  - C. Put the flap lever to the full down position.

**NOTE:** The landing gear warning horn should produce an audible sound once the flaps are at the approach position.
  - D. Put the flap lever to the full up position.
  - E. Extend the landing gear to the down and locked position.
  - F. Put the aircraft onto the ground and remove the aircraft jacks.

13. Go to Step 19.

### CONFIGURATION 3

**NOTE:** Make sure that **CONFIGURATION 2** from MEB-34-06: Stall Warning Horn Replacement has been installed.

14. (For Model 340 Refer to Figure 7, Sheet 1, and for Model 335/340A Figure 9, Sheet 1.) Remove the 9910080-1 Landing Gear Warning Horn as follows:
- A. Remove and discard the washer and lock screw from the 9910080-1 Landing Gear Warning Horn.
  - B. Disconnect and label the electrical wiring from the 9910080-1 Landing Gear Warning Horn.
  - C. Discard all electrical hardware from the 9910080-1 Landing Gear Warning Horn.
  - D. Discard the 9910080-1 Landing Gear Warning Horn.
  - E. Remove and keep the 9910080-6 Stall Warning Horn.

**NOTE:** The kept 9910080-6 Stall Warning Horn will be used during installation.

- F. Remove and keep the two mounting screws and the two washers from the 5290604-3 Bracket.

**NOTE:** The kept mounting screws and washers will be used during installation.

- G. Discard the 5290604-3 Bracket.

15. (For Model 340 Refer to Figure 8, Sheet 1 and 2, and for Model 335/340A Figure 10, Sheet 1 and 2.) Install the 9910080-5 Landing Gear Warning Horn as follows:

- A. (For Model 340 airplanes.) Match drill the two Number 24 (0.152 inch diameter) holes of the 5318100 Plate Assembly to the 5290604-5 Bracket.
  - (1) Debur the drilled holes from the 5290604-5 Bracket.
  - (2) Apply Color Chemical Film Treatment to all bare metal.
  - (3) Install the 5290604-5 Bracket with the two kept mounting screws and the two kept washers into the 5318100 Plate Assembly.
  - (4) Go to Step 15C.

- B. (For Model 335/340A airplanes.) Match drill the two Number 11/64 (0.172 inch diameter) holes of the 0818109 Support Assembly to the 5290604-5 Bracket.

- (1) Debur the drilled holes from the 5290604-5 Bracket.
  - (2) Apply Color Chemical Film Treatment to all bare metal.
  - (3) Install the 5290604-5 Bracket with the two kept mounting screws and the two kept washers into the 5318100 Plate Assembly.

- C. Install the 9910080-5 Landing Gear Warning Horn into the 5290604-5 Bracket.

- D. Install the knurled nut onto the 9910080-5 Landing Gear Warning Horn.

**NOTE:** The plastic knurled nut must be installed with the three indents toward the bracket and horn assembly. On the internal circumference, the smooth side without threads is installed first, towards the bracket and horn. This technique of installation will make sure the nut fully seats against the bracket and not bottom-out on the threads. If not installed correctly the knurled nut will bottom-out on the threads and the horn assembly will not be fully tightened in the bracket.

- E. Install the labeled electrical wiring, screws, and the two MS35333-37 Lock Washers into the 9910080-5 Landing Gear Warning Horn.

**NOTE:** The screws are supplied with the 9910080-5 Landing Gear Warning Horn.

16. Install the kept 9910080-6 Stall Warning Horn into the 5290604-5 Bracket.
17. Do the operational check for the stall warning horn as follows:
  - A. Remove the maintenance warning tags and connect the airplane battery.
  - B. Put the avionics power switch to the ON position.
  - C. On the left wing tip, activate the stall vane by pushing the tab up.  
**NOTE:** The stall warning horn should produce an audible sound.
18. Do the operational check of the 9910080-5 Landing Gear Warning Horn as follows:
  - A. Jack the airplane until all tires are off of the ground.
  - B. Retract the landing gear to the up and locked position.
  - C. Put the flap lever to the full down position.  
**NOTE:** The landing gear warning horn should produce an audible sound once the flaps are at the approach position.
  - D. Put the flap lever to the full up position.
  - E. Extend the landing gear to the down and locked position.
  - F. Put the aircraft onto the ground and remove the aircraft jacks.
19. Put the avionics power switch to the OFF position.
20. Disconnect the airplane battery.
21. Install all access panels and interior that were removed during this bulletin.
22. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.



B22191

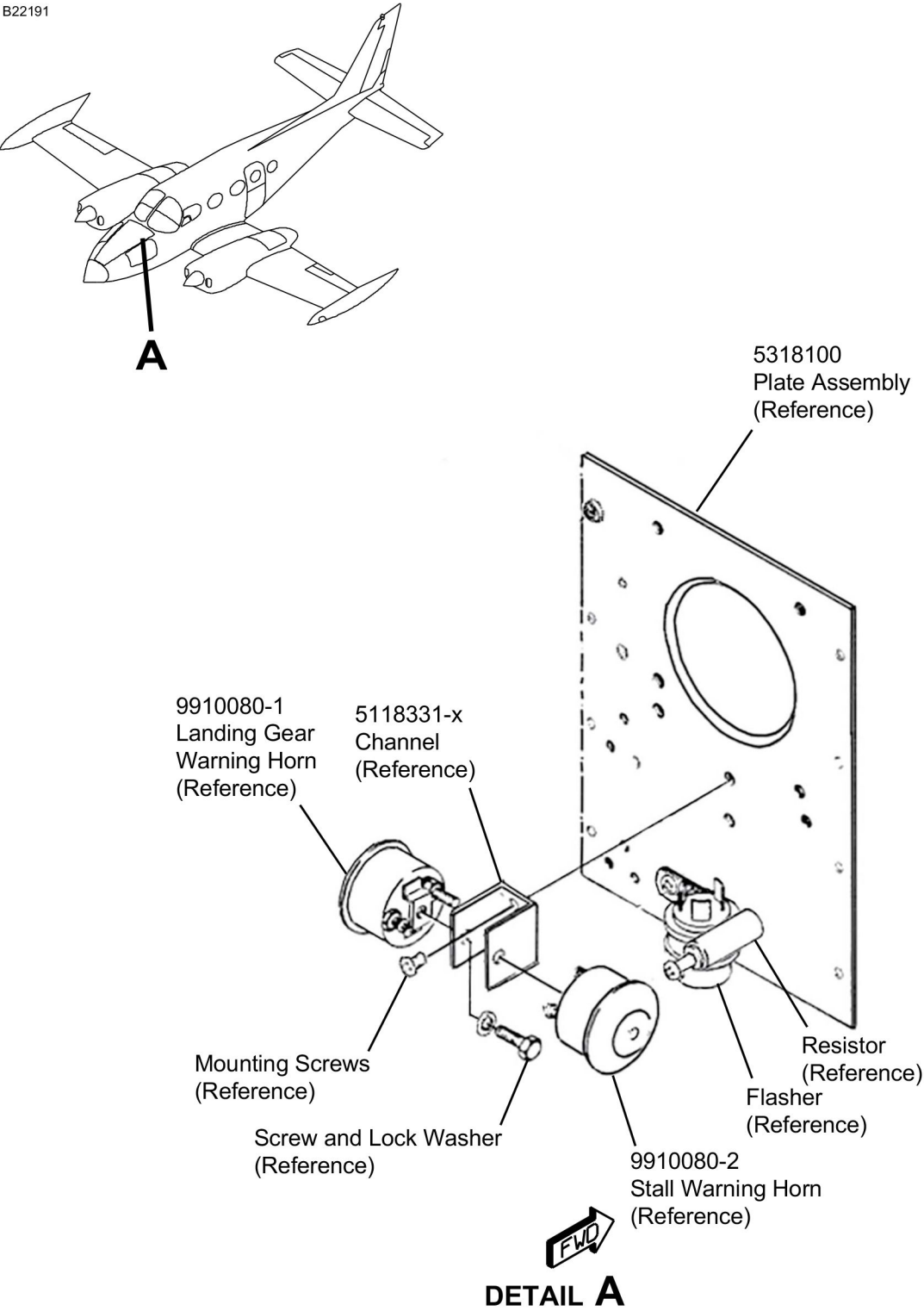


Figure 1. 340 Before Modification (Sheet 1)



B22192

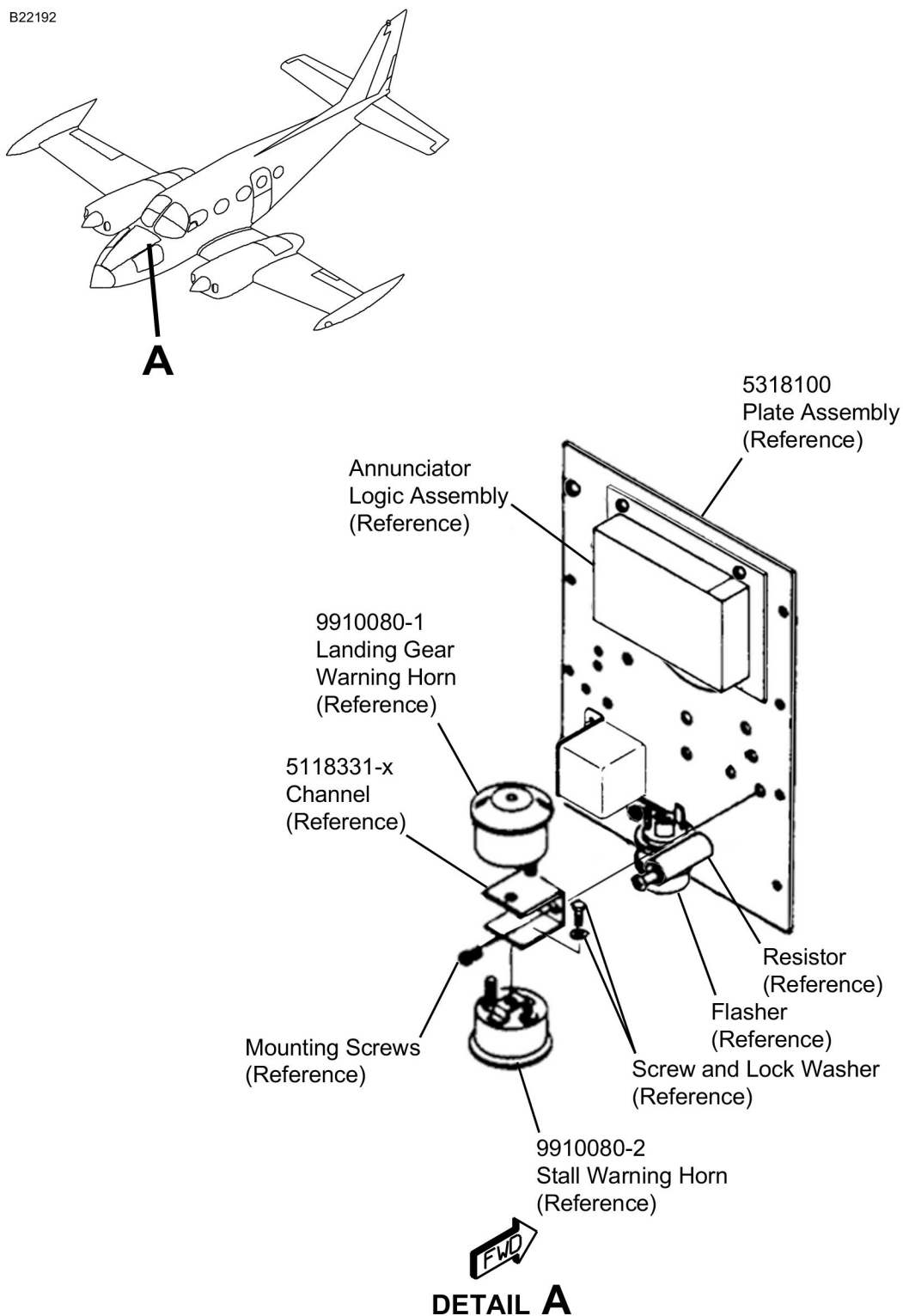
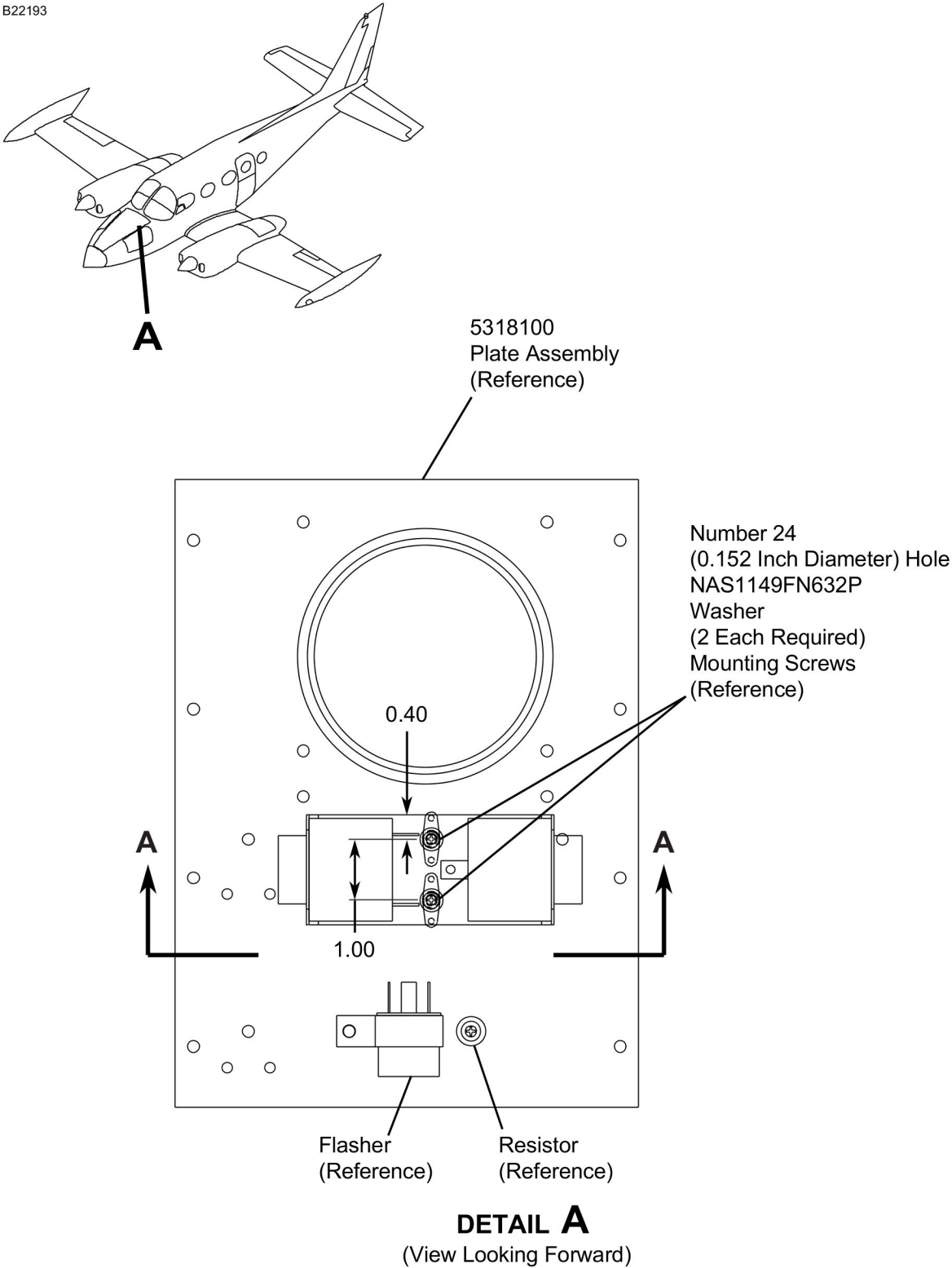


Figure 2. 335/340A Before Modification (Sheet 1)

B22193

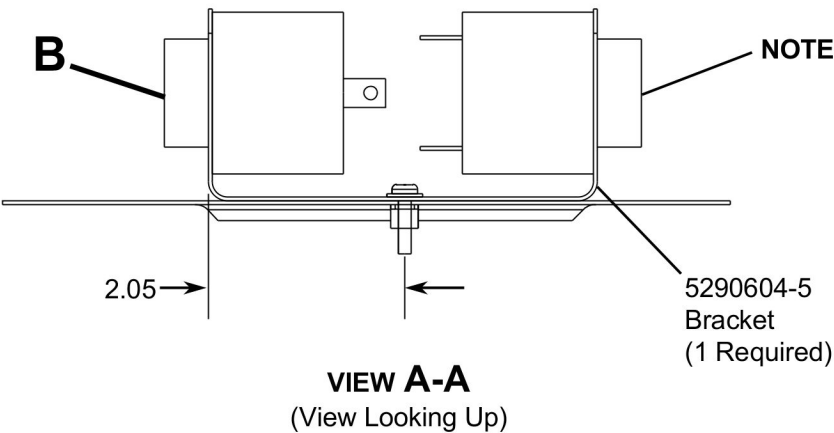


**NOTE:** All dimensions are in inches.

5390604-1

Figure 3. 340 Configuration 1 (Sheet 1)

B22194



**NOTE:** For Stall Warning Horn Parts Reference MEB-34-06:  
Stall Warning Horn Replacement.

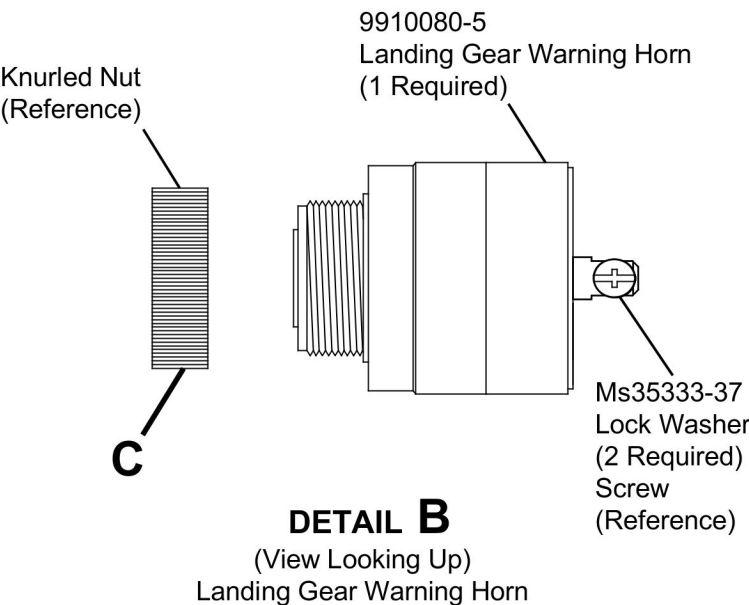
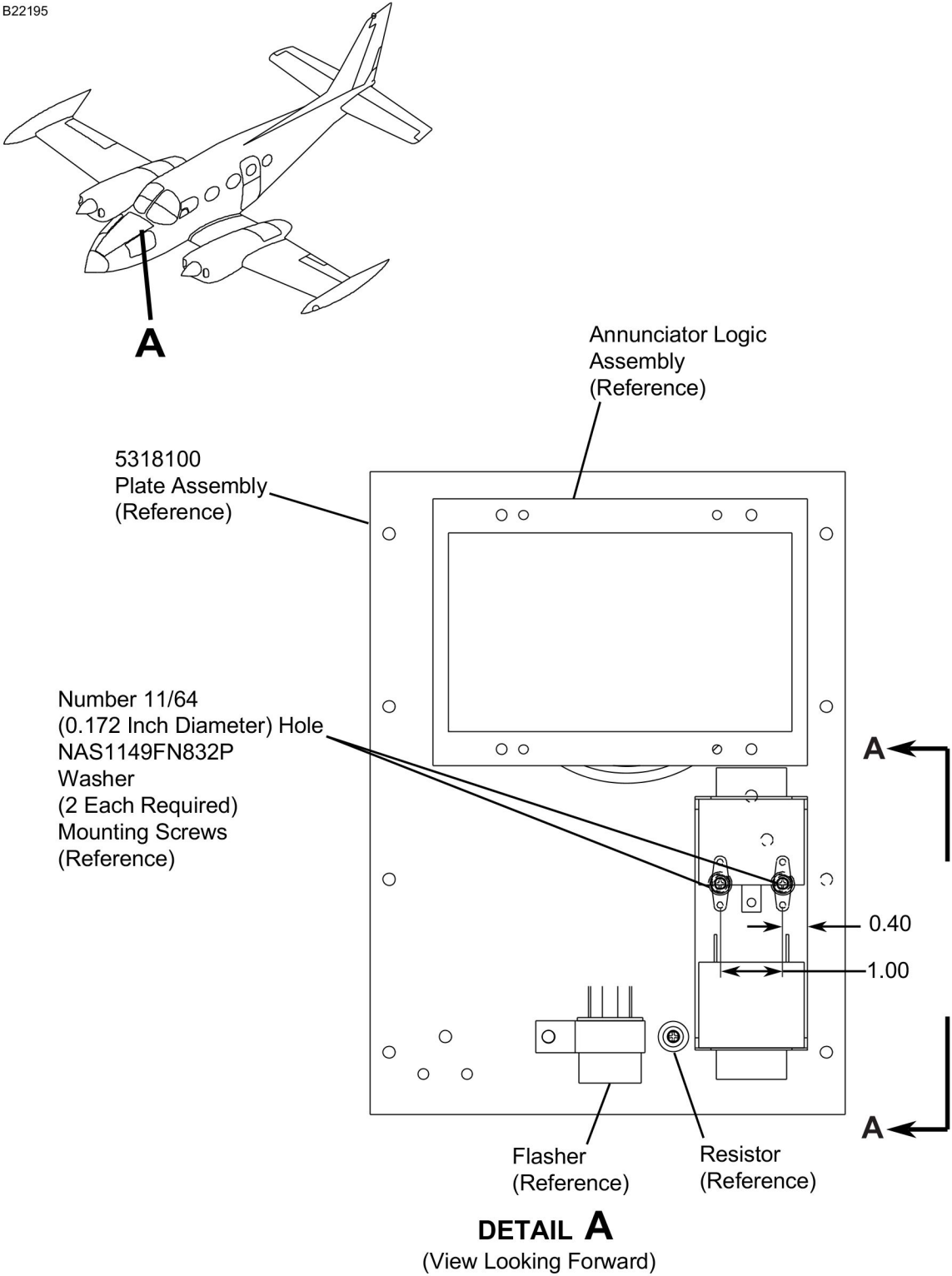


Figure 3. 340 Configuration 1 (Sheet 2)

5390604

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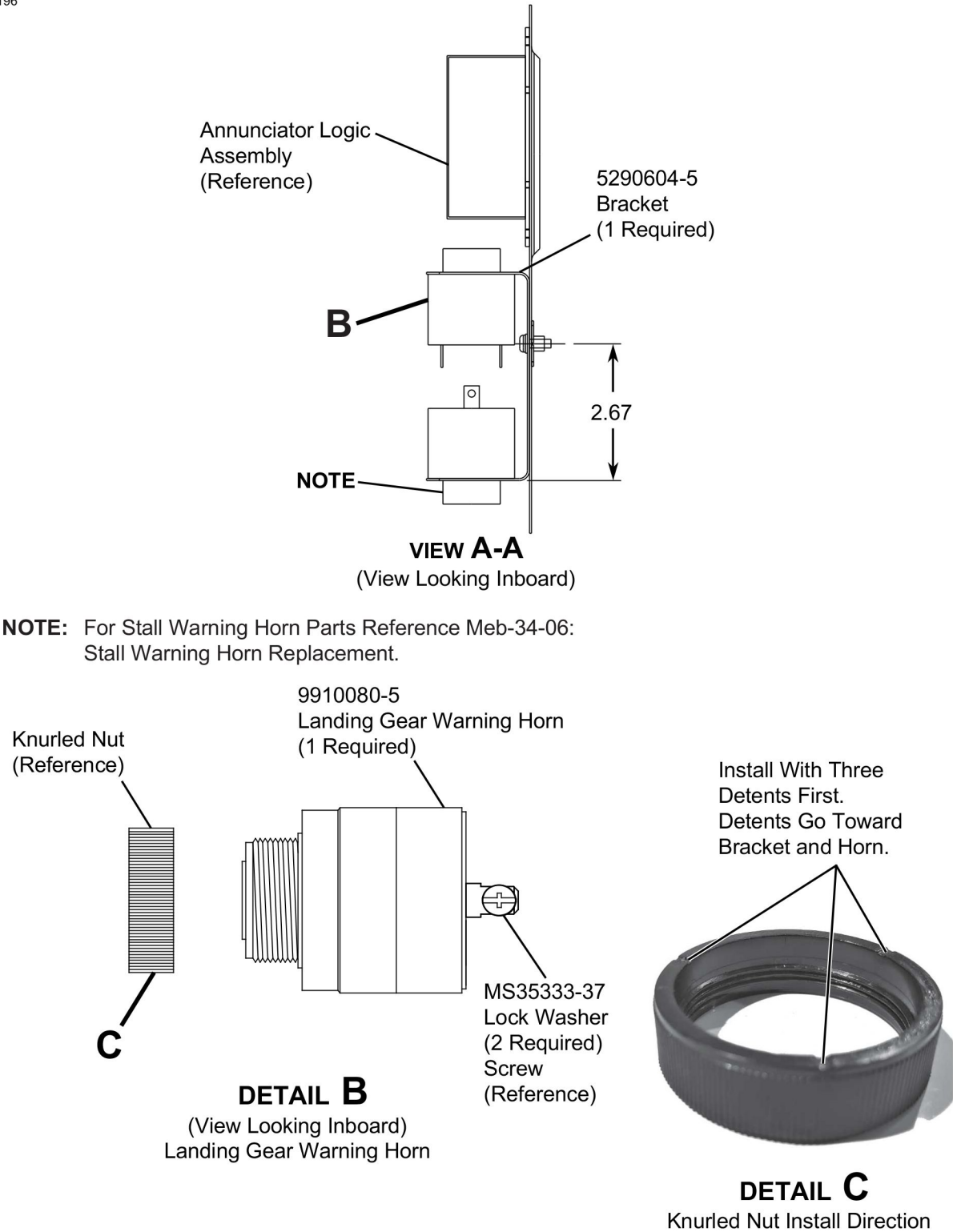


**NOTE:** All dimensions are in inches.

5390604

Figure 4. 335/340A Configuration 1 (Sheet 1)

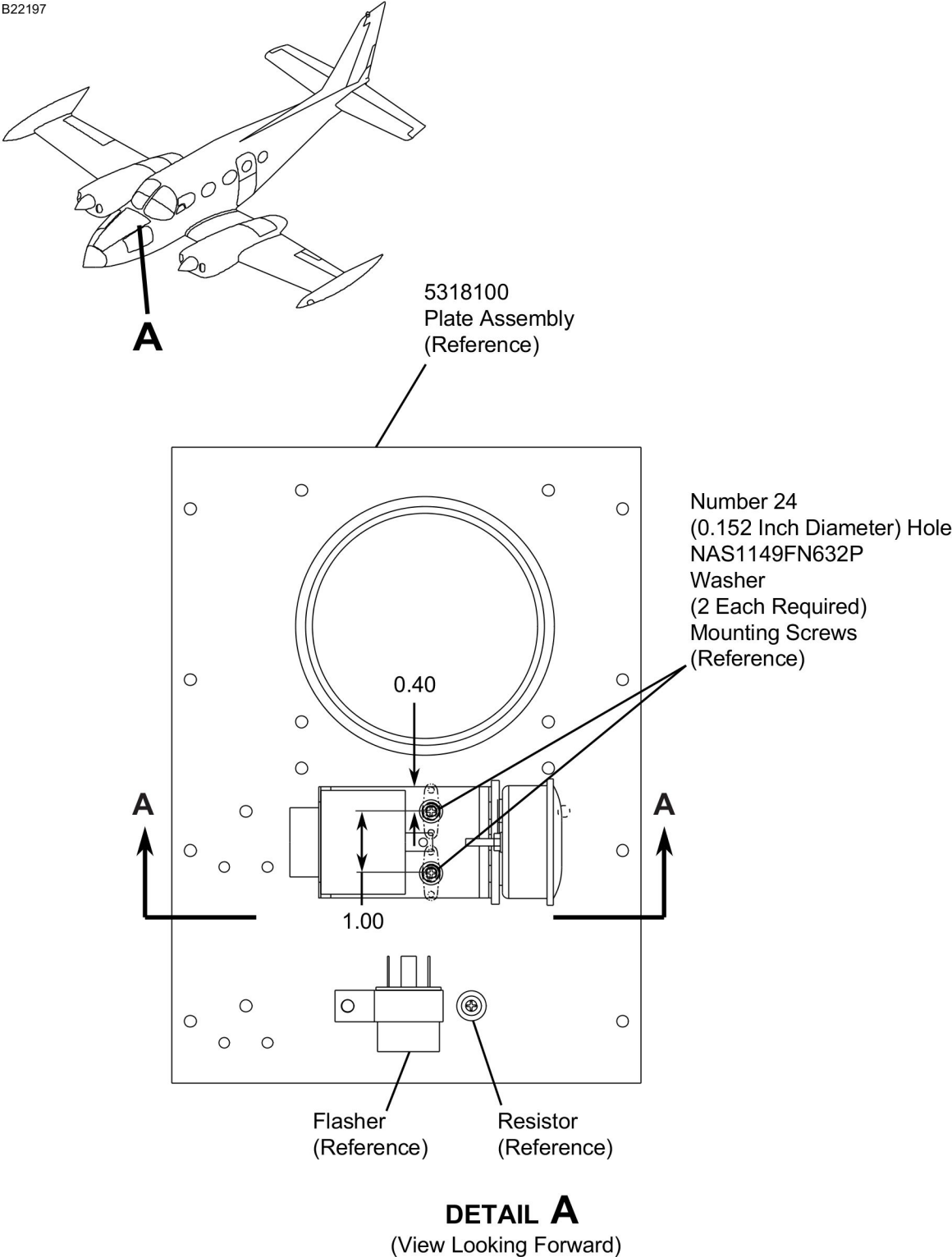
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5390604

Figure 4. 335/340A Configuration 1 (Sheet 2)

B22197

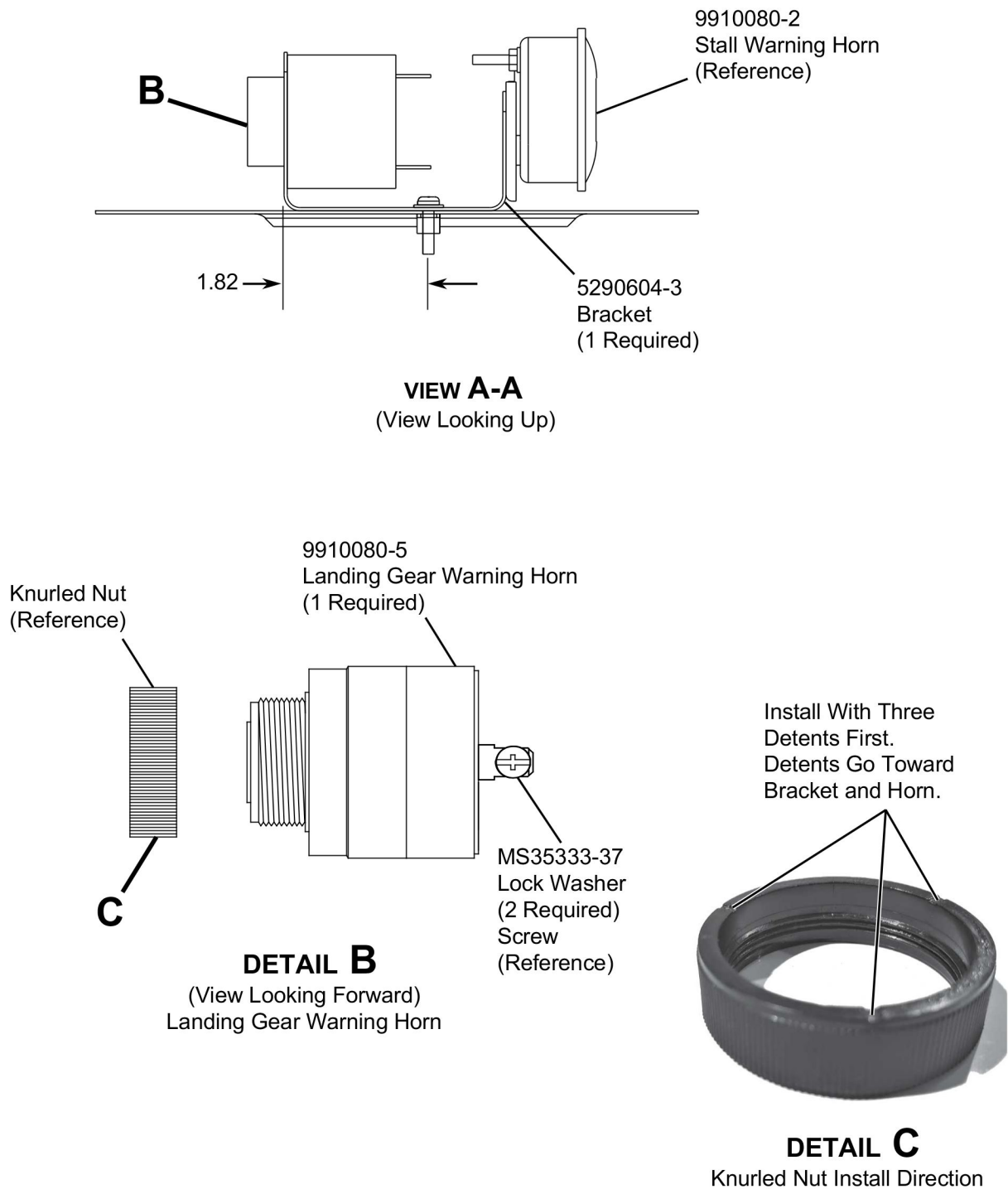


**NOTE:** All dimensions are in inches.

5390604-1

Figure 5. 340 Configuration 2 (Sheet 1)

B22198

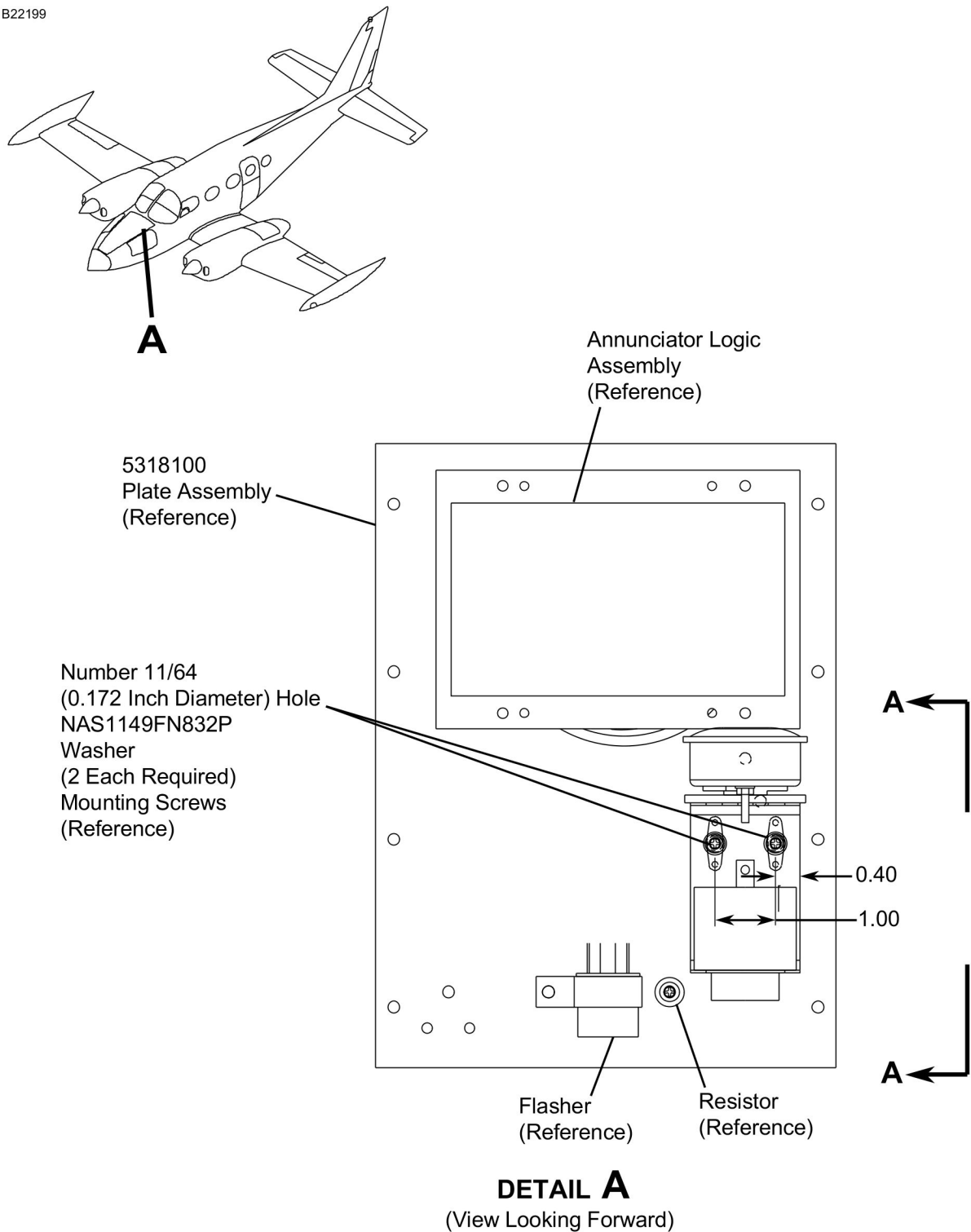


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Figure 5. 340 Configuration 2 (Sheet 2)



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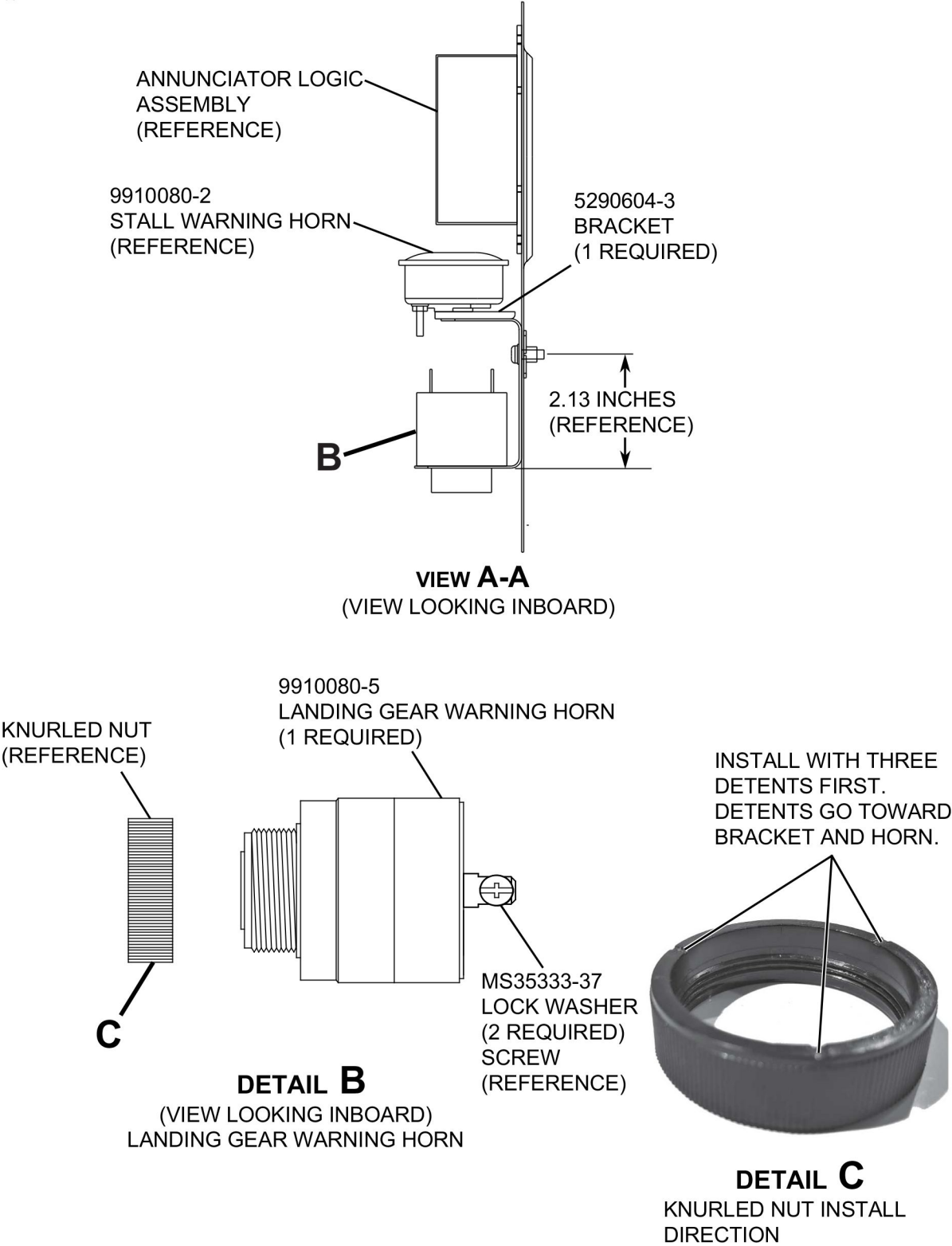


**NOTE:** All dimensions are in inches.

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Figure 6. 335/340A Configuration 2 (Sheet 1)

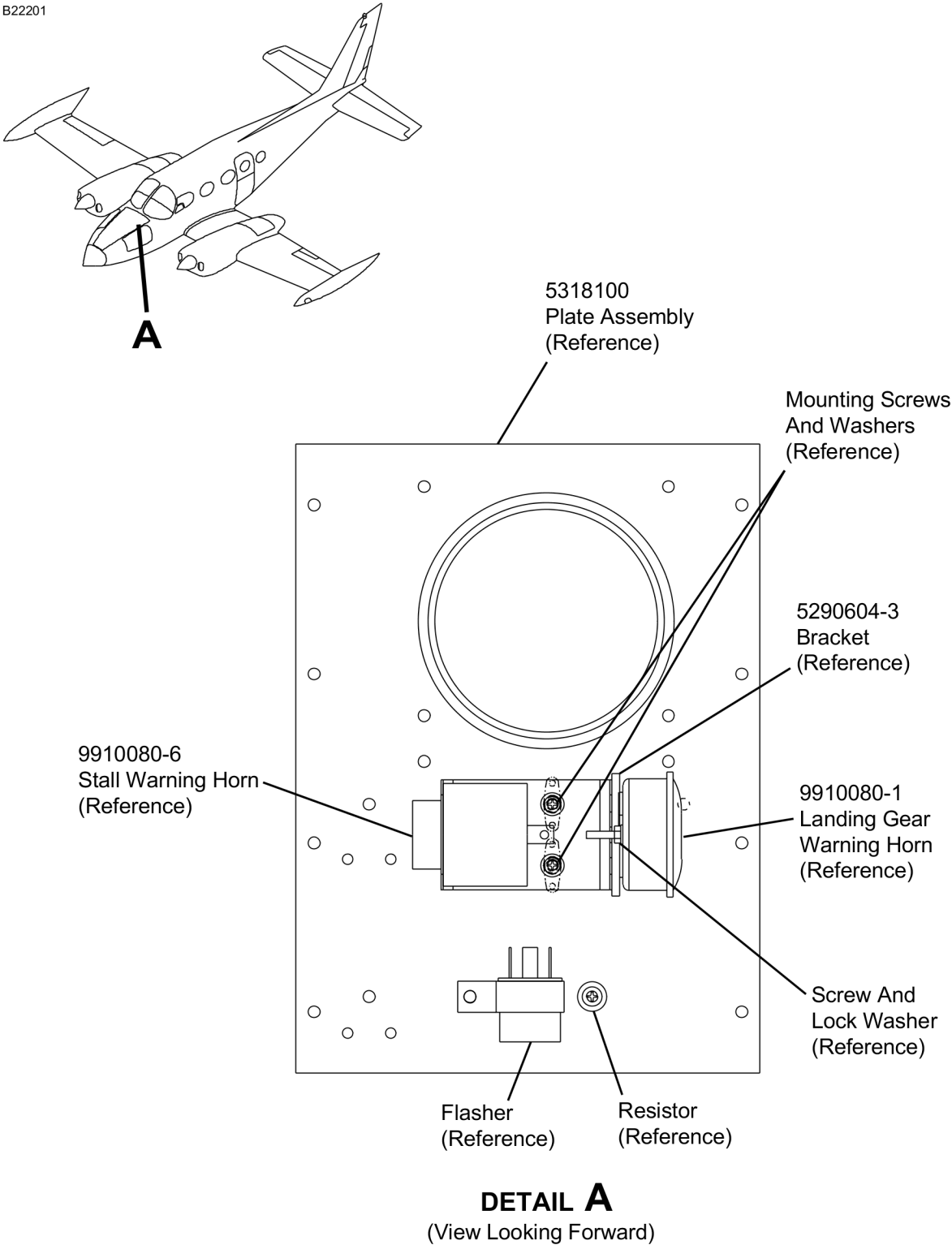
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Figure 6. 335/340A Configuration 2 (Sheet 2)

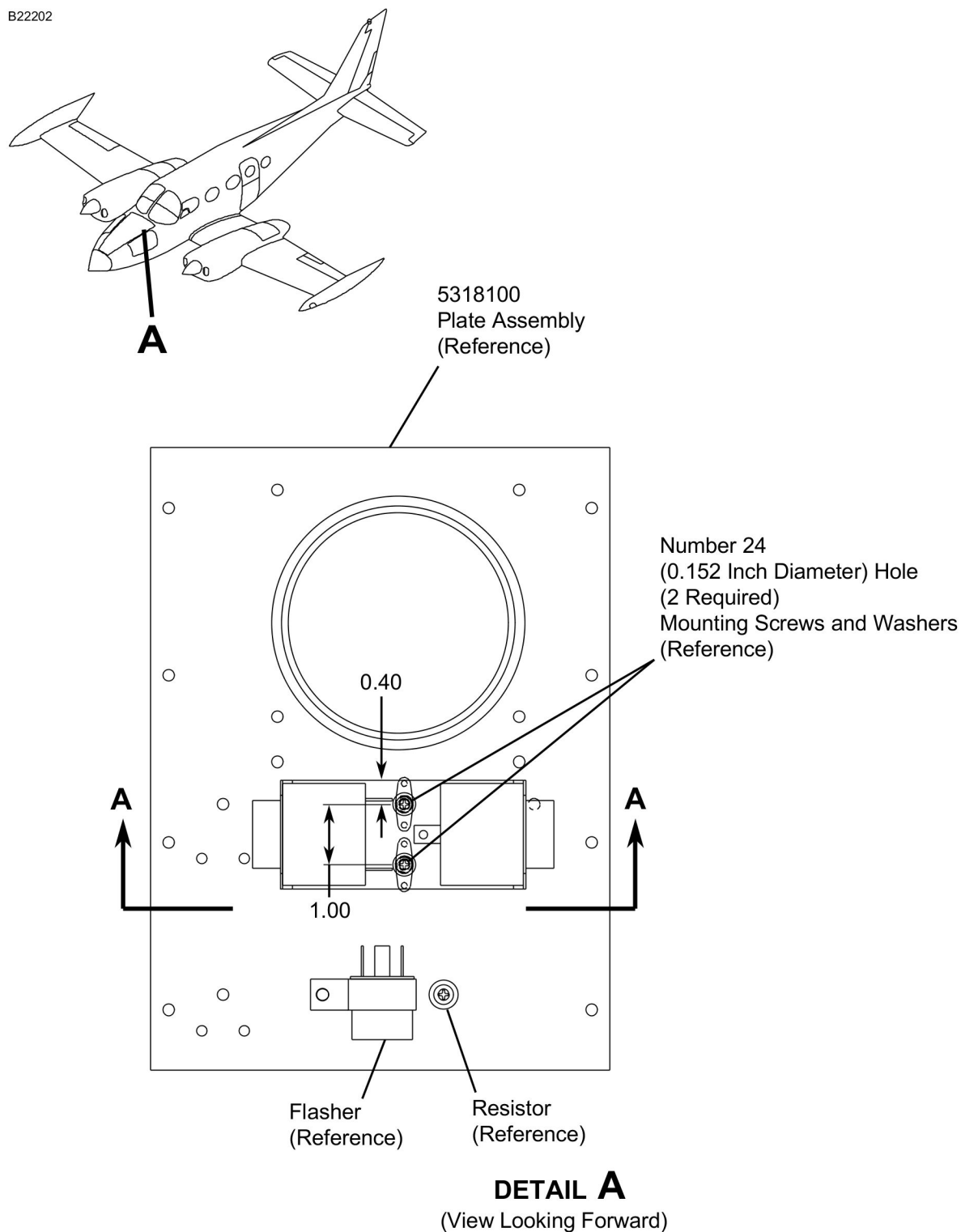
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5390604-1

Figure 7. 335 Before Configuration 3 Modification (Sheet 1)

B22202

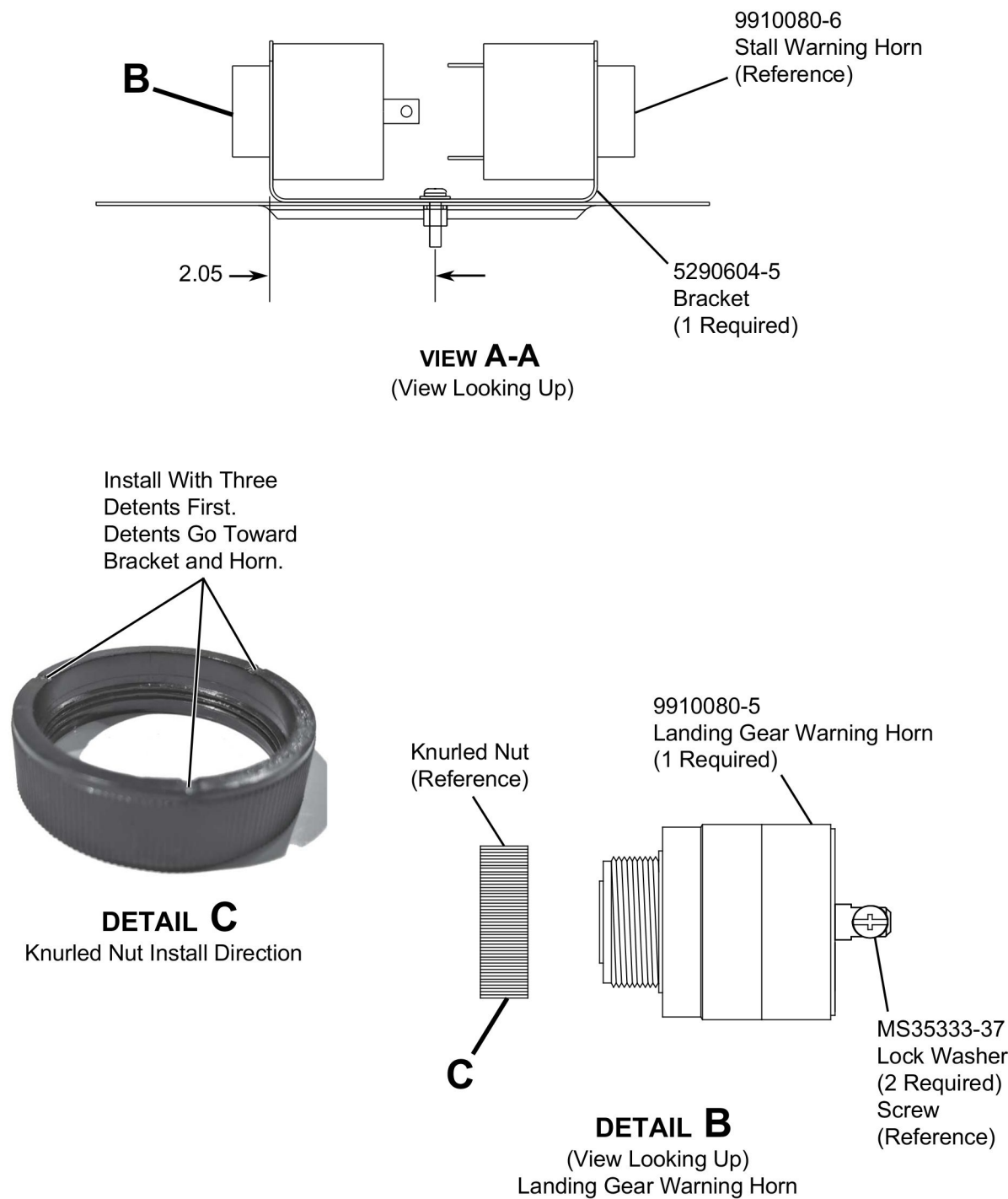


**NOTE:** All dimensions are in inches.

5390604-1

Figure 8. 335 Configuration 3 (Sheet 1)

B22203



5390604

Figure 8. 335 Configuration 3 (Sheet 2)

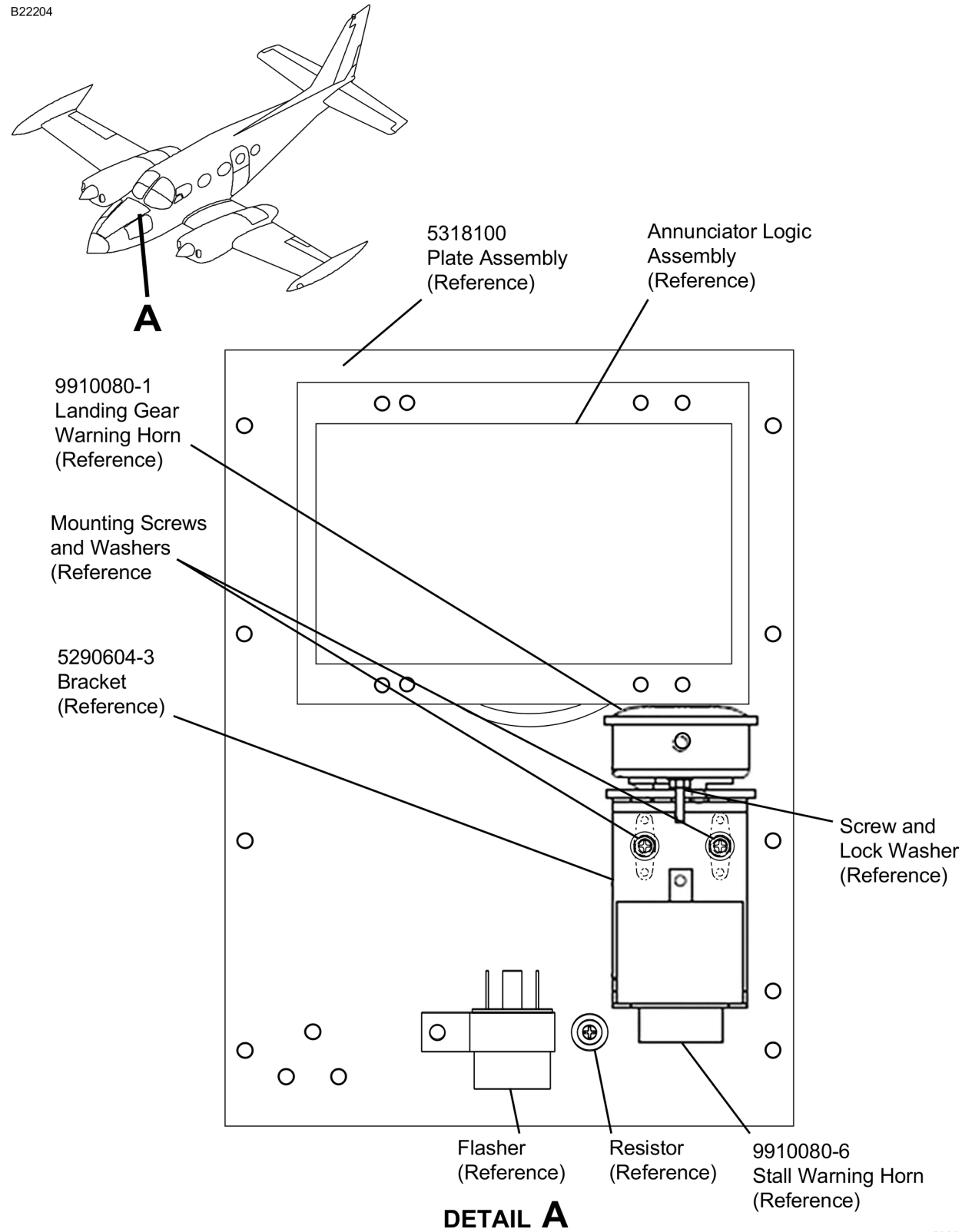
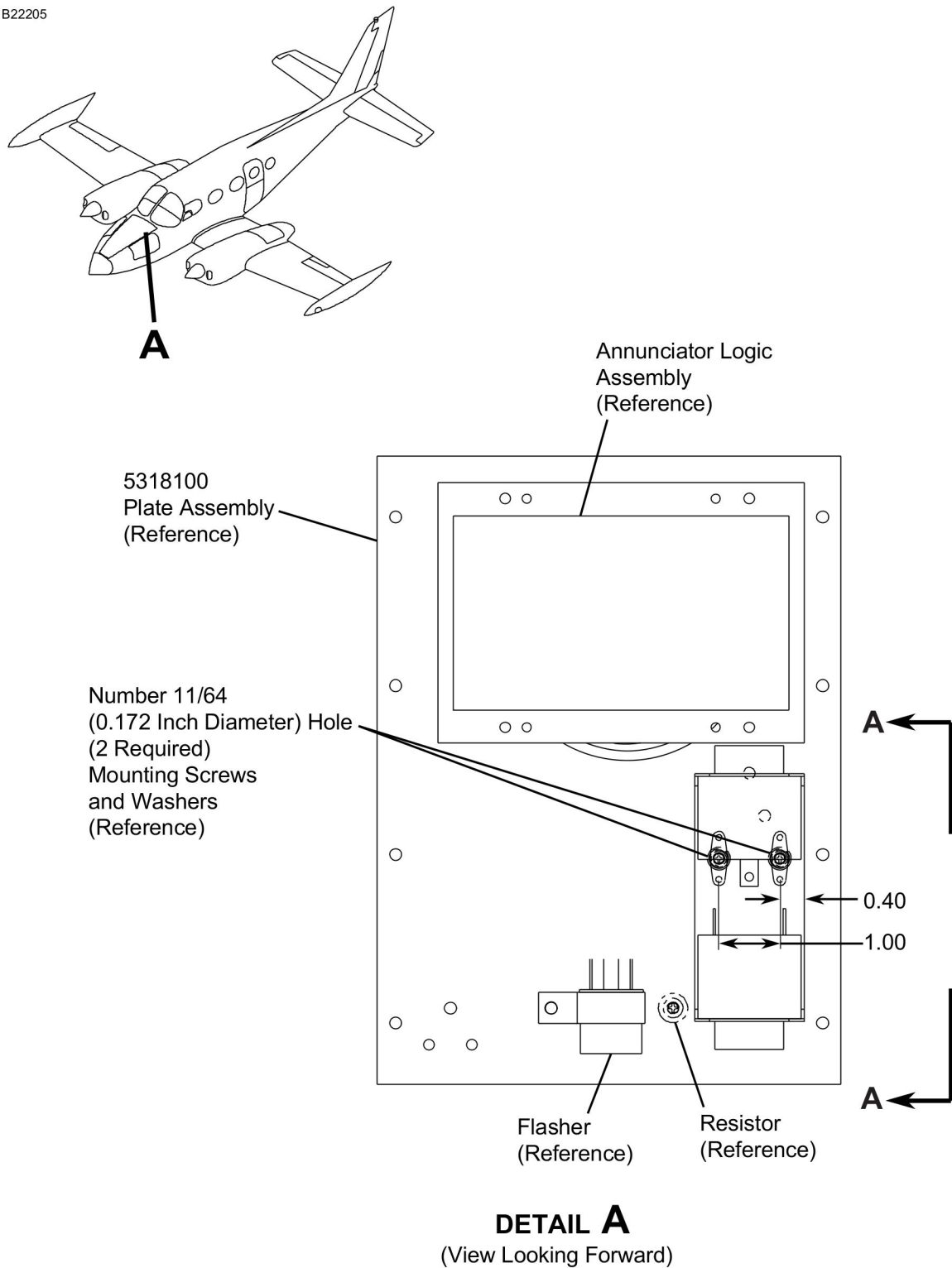


Figure 9. 335/340A Before Configuration 3 Modification (Sheet 1)

5390604-1

B22205



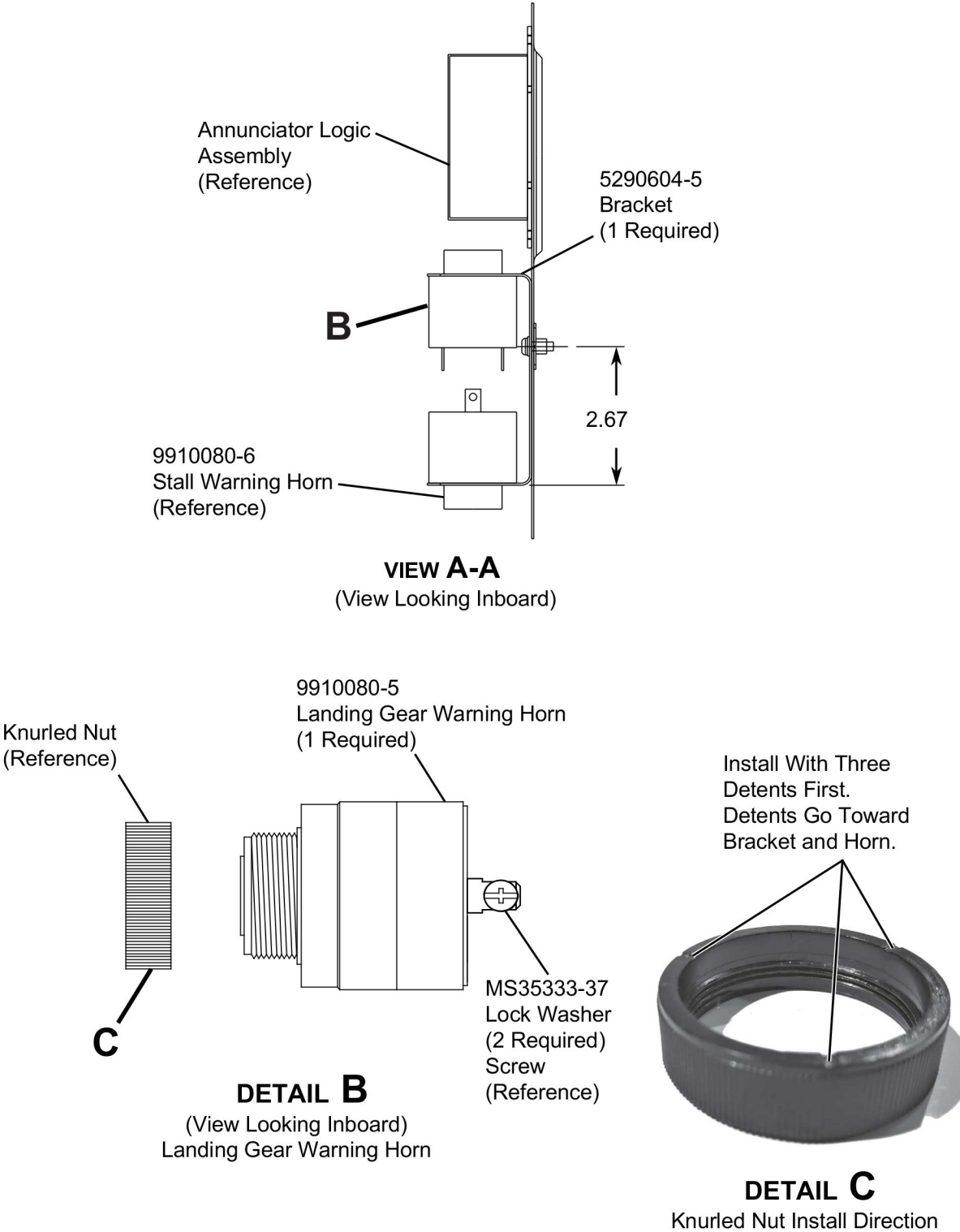
**NOTE:** All dimensions are in inches.

5390604

Figure 10. 335/340A Configuration 3 (Sheet 1)



B22206



5390604

Figure 10. 335/340A Configuration 3 (Sheet 2)

**MATERIAL INFORMATION**

**CONFIGURATION 1** order the kit below to install this modification.

**NOTE:** To install the stall warning horn in conjunction with the 9910080-5 Landing Gear Warning Horn, order the kit from MEB-34-06: Stall Warning Horn Replacement.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
<b>MEB-32-02-0</b>	1	<b>Kit</b> , consisting of the following parts:		
MS35333-37	2	Lock Washer	N/A	Install
NAS1149FN632P	2	Washer	N/A	For Model 340 airplanes.
NAS1149FN832P	2	Washer	N/A	For Model 335/340A airplanes.
5290604-5	1	Bracket	5118331-X	Discard
9910080-5	1	Landing Gear Warning Horn	9910080-1	Discard
MEB-32-02	1	Instructions		

**CONFIGURATION 2** order the kit below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
<b>MEB-32-02-1</b>	1	<b>Kit</b> , consisting of the following parts:		
MS35333-37	2	Lock Washer	N/A	Install
NAS1149FN632P	2	Washer	N/A	For Model 340 airplanes.
NAS1149FN832P	2	Washer	N/A	For Model 335/340A airplanes.
5290604-3	1	Bracket	5118331-X	Discard
9910080-5	1	Landing Gear Warning Horn	9910080-1	Discard
MEB-32-02	1	Instructions		

**CONFIGURATION 3** order the kit below to install this modification.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
<b>MEB-32-02-2</b>	1	<b>Kit</b> , consisting of the following parts:		
MS35333-37	2	Lock Washer	N/A	Install

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
5290604-5	1	Bracket	5290604-3	Discard
9910080-5	1	Landing Gear Warning Horn	9910080-1	Discard
MEB-32-02	1	Instructions		

Based on availability and lead times, parts may require advanced scheduling.

\* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.



**TITLE**

LANDING GEAR - LANDING GEAR WARNING HORN REPLACEMENT

**TO:**

Cessna Model 335, 340, and 340A Aircraft Owners

**REASON**

The original landing gear warning horn is no longer available. If the landing gear warning horn needs to be replaced, a new landing gear warning horn is available and will require an additional bracket for installation.

**COMPLIANCE**

OPTIONAL. This service document can be accomplished at the discretion of the owner.

**LABOR HOURS**

For planning purposes only:

WORK PHASE	LABOR-HOURS
Modification	As Required
Test and Inspection	As Required

**MATERIAL AVAILABILITY**

PART NUMBER	AVAILABILITY	COST
MEB-32-02-0	*	*
MEB-32-02-1	*	*
MEB-32-03-2	*	*

\* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

Based on availability and lead times, parts may require advanced scheduling.

**WARRANTY**

None

**NOTE:** As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the Customer Access link at [www.txtavsupport.com](http://www.txtavsupport.com) to register.

October 11, 2022

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