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## V2500-A1/A5 SERIES PROPULSION SYSTEMS SERVICE BULLETIN

Printed in Great Britain

This document transmits the Initial Issue of Service Bulletin NV2500-71-0260

### Bulletin Initial Issue

Remove	Incorporate	Reason for change
	Pages 1 to 25 of the	Initial Issue
	Service Bulletin	

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LIST OF EFFECTIVE PAGES

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NACELLE – INSTALLATION OF SPANISH DECALS ON THE AIR INTAKE COWL AND FAN COWL DOORS  
(SPECIAL ORDER ONLY)

1. Planning Information

A. Effectivity

(1) Airbus A319

(a) V2522-A5, V2524-A5, V2527M-A5 Nacelles – Special order only.

(2) Airbus A320

(a) V2500-A1 Nacelles – Special order only.

(b) V2527-A5, V2527E-A5 Nacelles – Special order only.

(3) Airbus A321

(a) V2530-A5, V2533-A5 Nacelles – Special order only.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

A customer has requested that several decals on the V2500 Nacelle should be accompanied by the equivalent decal in Spanish.

(2) Evidence

See Problem.

(3) Substantiation

This is a Special Order Only Service Bulletin.

(4) Objective

Incorporation of this Service Bulletin is intended to provide decals, written in Spanish, to be installed next to the equivalent English decals on the Inlet Cowl and Fan Cowl Doors.

## (5) Effect of Bulletin on:

## (a) Operation

Not affected.

## (b) Maintenance

Not affected.

## (c) Overhaul

Not affected.

## (d) Repair Schemes

None.

## (e) Interchangeability

None.

## (f) Fits and Clearances

None.

## (6) Supplement Information

The parts introduced by this Service Bulletin have been superseded. Refer to General Information Service Bulletin V2500-NAC-70-0747.

**D. Description**

## (1) The changes introduced by this Service Bulletin are as follows:

## (a) PART A

Spanish decals are installed on the Air Intake Cowl and Fan Cowl Doors next to the original English decals.

(OR)

## (b) PART B

Spanish markings are applied with stencils to the Air Intake Cowl and Fan Cowl Doors below the original English decals.

**E. Compliance**

Category Code 8

Accomplish based upon experience with the prior configuration.

**F. Approval**

The technical content of this Service Bulletin has been approved under the authority of the EASA Design Organisation Approval No. EASA.21J.031.

**G. Manpower**

Estimated Man-hours to incorporate the full intent of this Service Bulletin:

(1) In Service

Not applicable.

(2) At Overhaul

The estimated man-hours do not include cure times. The overall time to do this Service Bulletin will depend on the amount of heat lamps, if any, available to the customer.

(a) PART A:

Installation of new Spanish Markings below original English markings - Decal Method.

5.0 hours.

(b) PART B:

Installation of new Spanish Markings below original English Markings - Stencil Method.

8.5 hours.

**NOTE:** The parts affected by this Service Bulletin are accessible at overhaul.

**H. Material Price and Availability**

None.

**I. Tooling Price and Availability**

Special tools are not required.

**J. Industry Support Information**

Not applicable.

**K. Weight and Balance****(1) Weight Change**

None.

**(2) Moment Arm**

No effect.

**(3) Datum**

Engine Front Mount Centreline (Power Plant Station (PPS) 100).

**L. Electrical Load Data**

This Service Bulletin has no effect on the aircraft electrical load.

**M. Software Accomplishment Summary**

Not applicable.

**N. References**

(1) A320/V2500-A1, A319/A320/A321/V2500-A5 Aircraft Maintenance Manual (M-V2500-1IA), Chapter/Section 71-13-00.

(2) V2500 Standard Practices/Processes Manual (SPP-V2500-1IA), Chapters/Sections 70-09-00, 70-11-26 and 70-30-00.

(3) V2500 Service Bulletin:

V2500-NAC-70-0747 - INFORMATION - NACELLE - TO ANNOUNCE CHANGES TO THE DECALS ON THE INLET COWL AND THE FAN COWL DOORS

(4) Engineering Change No. 99VN008A and 99VN008E.

(5) ATA Locators - 71-11-11, 71-13-11, 71-13-16 and 71-13-19.

**O. Other Publications Affected**

(1) A320/V2500-A1 Engine Illustrated Parts Catalog (S-V2500-1IA), Chapters/Sections 71-11-11, 71-13-11, 71-13-16 and 71-13-19 will be revised.

- (2) A319/A320/A321/V2500-A5 Engine Illustrated Parts Catalog (S-V2500-6IA) – all models, Chapters/Sections 71-11-11, 71-13-11, 71-13-16 and 71-13-19 will be revised.
- (3) A320/V2500-A1/A5 Component Maintenance Manual (CMM-AIC-V2500-1IA), Chapters/Sections 71-11-11, 71-13-11, 71-13-16 and 71-13-19 will be revised.

P. Interchangeability of Parts

Not applicable.

## 2. Material Information

### A. The kit required consists of the following parts:

None.

### B. Parts to be reworked:

None.

### C. New production parts:

Applicability: For each V2500-A1 or V2500-A5 Nacelle to incorporate this Service Bulletin

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
71-11-11						
02-050	740-3199 -037	1	.Decal, P2/T2 Access	-	-	(A)
02-060	740-3199 -051	4	.Decal, Hoist Point	-	-	(A)
71-13-11						
02-050	740-3199 -031	2	.Decal, Hoist Point	-	-	(A)
02-060	740-3199 -033	1	.Decal, Chip Detector	-	-	(A)
02-070	740-3199 -053	1	.Decal, Engine Oil	-	-	(A)
02-080	740-3199 -055	1	.Decal, FCD Latch Caution	-	-	(A)
71-13-16						
02-050	740-3199 -031	2	.Decal, Hoist Point	-	-	(A)
02-060	740-3199 -039	1	.Decal, Starter Valve	-	-	(A)
02-070	740-3199 -049	2	.Decal, No Handhold	-	-	(A)
02-080	740-3199 -055	1	.Decal, FCD Latch Caution	-	-	(A)
71-13-19						
02-030	740-3199 -061	1	.Decal, No Step/Grab	-	-	(A)



D. Instruction disposition codes:

(A) The new part is currently available.

E. Materials required to incorporate this Service Bulletin:

CoMat 02-099	Lint free cloth
CoMat 02-178	3M Masking Tape #250
BSB Label /	Supplied by -
C Activator	TIP
	Zone Industrielle
	Nord
	Rue Philippe Le Bon
	BP 411
	85010 LA ROCHE SUR
	YON cedex
	France
	Tel.
	00-33-2-51-36-26-48
	Fax.
	00-33-2-51-36-32-06
CoMat 02-174	Cotton Swab
CoMat 01-201	Distilled Water
CoMat 07-096	Thinner
CoMat 07-097	Catalyst
CoMat 07-098	Polyurethane Lacquer
	683-3-2
CoMat 07-076	Thinner
CoMat 07-077	Catalyst
CoMat 07-078	Gloss Base

NOTE: To identify the consumable materials, refer to the Overhaul Processes and Consumable Index PCI-V2500-1IA.

### 3. Accomplishment Instructions

#### A. Pre-Requisite Instructions

None.

#### B. Rework Instructions

PART A: INSTALLATION OF NEW SPANISH MARKINGS NEXT TO THE ORIGINAL ENGLISH MARKINGS – DECAL METHOD.

**CAUTION:** THESE INSTRUCTIONS HAVE BEEN WRITTEN ON THE BASIS THAT THE AIRCRAFT HAS BEEN MADE SAFE FOR MAINTENANCE.

- (1) Install the new Spanish decals on the left hand side nacelle and the right hand nacelle using the steps that follow:

**WARNING:** SOLVENT IS FLAMMABLE AND THE VAPOUR IS HARMFUL. USE IN A WELL VENTILATED AREA. AVOID PROLONGED BREATHING OF VAPOURS OR PROLONGED OR REPEATED CONTACT WITH SKIN. HIGH CONCENTRATIONS MAY CAUSE IMPAIRED JUDGEMENT. PROTECTIVE GLOVES SHOULD BE WORN DURING USE. MAY CAUSE DERMATITIS BY REMOVING SKIN OILS. PRIOR TO USE OF THIS PRODUCT, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

- (a) Use a clean, lint free cloth (CoMat 02-099) dampened with solvent (Methylethylketone (MEK) or Trichloroethane) to remove all oil, grease, dirt or other contaminants from the Air Intake Cowl surface where the 'ACCESO SENSOR P2/T2' 740-3199-037 is to be installed. Refer to the Standard Practices Manual, Chapter 70-11-26. Wipe the area dry with a clean, lint free cloth before the solvent evaporates. Refer to Figure 1, view A.

**WARNING:** DO NOT GET THE ACTIVATOR ON YOUR SKIN OR IN YOUR EYES. PUT ON PROTECTIVE CLOTHING, GOGGLES AND A FACE MASK. USE IN A WELL VENTILATED AREA. AVOID PROLONGED BREATHING OF VAPOURS. IF IN A CONFINED AREA USE A SUPPLIED AIR RESPIRATOR. GET MEDICAL AID IF YOUR SKIN OR EYES BECOME IRRITATED. PRIOR TO USE OF THIS PRODUCT, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

- (b) Immerse the 'ACCESO SENSOR P2/T2' 740-3199-037 decal in the C Activator for fifteen to twenty seconds. Remove the decal from the Activator.

**NOTE:** To prepare the activator, mix one part activator to one part distilled water (CoMat 01-201). Prepare sufficient activator to complete the task. Do not store mixed solution.

- (c) Place the decal on the Air Intake Cowl below the original English decal, as shown, and use a rubber roller to ensure the decal is uniformly and securely placed.
- (d) Make the decal smooth with a sponge dampened with distilled water (CoMat 01-201) and remove any excess adhesive and air bubbles.
- (e) After two minutes carefully remove the backing from the decal and clean the perimeter of the decal with a sponge dampened with distilled water (CoMat 01-201) to remove any excess adhesive.
- (f) If the decal has been badly applied, remove the decal before it dries and repeat steps (a) thru (e).
- (g) Apply a polyurethane coating to the decal.

**NOTE:** Leave the decal to cure for three to four days before applying the polyurethane coating.

- (2) Repeat steps (1)(a) thru (1)(g) and read:
  - 'PUNTO DE APOYO' 740-3199-051 decal in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view B in lieu of Refer to Figure 1, view A.
- (3) Repeat step (2) for the other three 'PUNTO DE APOYO' 740-3199-051 decals.
- (4) Repeat steps (1)(a) thru (1)(g) and read:
  - L/H Fan Cowl Door in lieu of Air Intake Cowl.
  - 'PUNTO DE APOYO' 740-3199-031 decal in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view C in lieu of Refer to Figure 1, view A.
- (5) Repeat step (4) for the other 'PUNTO DE APOYO' 740-3199-031 decal on the L/H Fan Cowl Door.
- (6) Repeat steps (1)(a) thru (1)(g) and read:
  - L/H Fan Cowl Door in lieu of Air Intake Cowl.
  - 'ACCESO A DETECTOR PRINCIPAL DE PARTICULAS MAGNETICAS' 740-3199-033 decal in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view D in lieu of Refer to Figure 1, view A.

- (7) Repeat steps (1)(a) thru (1)(g) and read:
- L/H Fan Cowl Door in Lieu of Air Intake Cowl.
  - 'ACCESO PARA SERVICIO DE ACEITE.....' 740-3199-053 decal in Lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view E in Lieu of Refer to Figure 1, view A.
- (8) Repeat steps (1)(a) thru (1)(g) and read:
- L/H Fan Cowl Door Strake (upper surface) in Lieu of Air Intake Cowl.
  - 'NO APOYARSE' 740-3199-061 decal in Lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view F in Lieu of Refer to Figure 1, view A.
- (9) Repeat steps (1)(a) thru (1)(g) and read:
- L/H Fan Cowl Door Strake (lower surface) in Lieu of Air Intake Cowl.
  - 'NO APOYARSE' 740-3199-061 decal in Lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view G in Lieu of Refer to Figure 1, view A.
- (10) Open the L/H Fan Cowl Door as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-010-010. Make sure you do not damage any wet Decals.
- (11) Repeat steps (1)(a) thru (1)(g) and read:
- L/H Fan Cowl Door in Lieu of Air Intake Cowl.
  - 'PRECAUCION: VERIFICAR QUE COMPUERTAS AL CARRARLAS ESTEN COMPLETAMENTE ASEGURADAS' 740-3199-055 decal in Lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view H in Lieu of Refer to Figure 1, view A.
- (12) Close the L/H Fan Cowl Doors as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-410-010. Make sure you do not damage any wet Decals.
- (13) Repeat steps (1)(a) thru (1)(g) and read:
- R/H Fan Cowl Door in Lieu of Air Intake Cowl.
  - 'PUNTO DE APOYO' 740-3199-031 decal in Lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
  - Refer to Figure 1, view C in Lieu of Refer to Figure 1, view A.
- (14) Repeat step (13) for the other 'PUNTO DE APOYO' 740-3199-031 decal on the R/H Fan Cowl Door.

(15) Repeat steps (1)(a) thru (1)(g) and read:

- R/H Fan Cowl Door Strake (upper surface) in lieu of Air Intake Cowl.
- 'NO APOYARSE' 740-3199-061 decal in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
- Refer to Figure 1, view F in lieu of Refer to Figure 1, view A.

(16) Repeat steps (1)(a) thru (1)(g) and read:

- R/H Fan Cowl Door Strake (lower surface) in lieu of Air Intake Cowl.
- 'NO APOYARSE' 740-3199-061 decal in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
- Refer to Figure 1, view G in lieu of Refer to Figure 1, view A.

(17) Repeat steps (1)(a) thru (1)(g) and read:

- R/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'ACCESO A CONTROL MANUAL DE ARRANQUE' 740-3199-039 decal in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
- Refer to Figure 1, view J in lieu of Refer to Figure 1, view A.

(18) Repeat steps (1)(a) thru (1)(g) and read:

- Gearbox Breather Mast in lieu of Air Intake Cowl.
- 'NO PUNTO DE APOYE' 740-3199-049 in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.

**NOTE:** The 'NO PUNTO DE APOYE' 740-3199-049 decal can be applied above or below the English decal on the Gearbox Breather Mast.  
- Refer to Figure 1, view K in lieu of Refer to Figure 1, view A.

(19) Repeat step (18) for the other side of the Gearbox Breather Mast.

(20) Open the R/H Fan Cowl Door as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-010-010. Make sure you do not damage any wet decals.

(21) Repeat steps (1)(a) thru (1)(g) and read:

- R/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'PRECAUCION: VERIFICAR QUE COMPUERTAS AL CARRARLAS ESTEN COMPLETAMENTE ASEGURADAS' 740-3199-055 decal in lieu of 'ACCESO SENSOR P2/T2' 740-3199-037 decal.
- Refer to Figure 1, view H in lieu of Refer to Figure 1, view A.

(22) Close the R/H Fan Cowl Doors as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-410-010. Make sure you do not damage any wet Decals.

- (23) Apply masking tape (CoMat 02-178) to the area around each decal. Leave 0.04 in (1.0 mm) clearance between the decal and the tape.

**NOTE:** To gain access to the decals on the inner surface of the Fan Cowl Doors open the left and right Fan Cowl Doors as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-010-010.

**WARNING:** DO NOT GET THE POLYURETHANE ON YOUR SKIN OR IN YOUR EYES. PUT ON PROTECTIVE CLOTHING, GOOGLES AND A FACEMASK. USE THE POLYURETHANE IN A WELL-VENTILATED AREA. IF IN A CONFINED AREA, USE A SUPPLIED AIR RESPIRATOR. DO NOT BREATHE THE GAS. GET MEDICAL AID IF YOUR SKIN OR EYES BECOME IRRITATED.

**WARNING:** KEEP FLAMES AND ELECTRICAL EQUIPMENT WHICH IS NOT FLAMEPROOF AWAY FROM THE WORK AREA. THE POLYURETHANE COATING IS FLAMMABLE.

- (24) Mix the clear polyurethane (CoMat 07-098), the catalyst (CoMat 07-097) and the thinner (CoMat 07-096) in accordance with the Manufacturer's instructions. Leave the mixture for 30 minutes before use.

**NOTE:** Prepare sufficient polyurethane coating to complete the task. The pot life of the coating is approx. 4 hours (Air temperature 77°F / 25°C).

**NOTE:** The thinner (CoMat 07-096) is not required if the polyurethane coating is to be applied with a brush.

- (25) Apply polyurethane coating to each new decal and allow to cure at room temperature for 15 minutes.

- (26) Remove the masking tape and cure the polyurethane coating of each decal with a heat lamp placed to maintain a surface temperature of 70°C +/- 2°C for one hour, or cure at room temperature (25°C +/- 2°C) for eight hours.

- (27) Test the adhesion of the Spanish decals as follows:

- (a) Apply a one inch wide strip of masking tape (CoMat 02-178) to the coated surface.
- (b) Firmly press the tape onto the coated surface.
- (c) Remove tape in one abrupt motion perpendicular to the coated surface.

- (28) Close the left and right Fan Cowl Doors as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-410-010.

## PART B: INSTALLATION OF SPANISH MARKING NEXT TO ORIGINAL ENGLISH MARKINGS – STENCIL METHOD.

**CAUTION:** THESE INSTRUCTIONS HAVE BEEN WRITTEN ON THE BASIS THAT THE AIRCRAFT HAS BEEN MADE SAFE FOR MAINTENANCE:

- (1) Prepare all the stencils required for the task. Refer to Figure 1.

**NOTE:** Prepare each stencil in No. 3 Alternate-Gothic style. Each stencil should have the same wording, spacing and size as shown in Figure 1.

**NOTE:** A heavy stencil board that is 0.015 in. (0.38 mm) thick can be used with an available stencil machine. These stencils are strong enough to be used again.

**NOTE:** The stencils should display the Spanish marking only. Refer to Figure 1.

- (2) Apply the new Spanish markings on the left hand side nacelle and the right hand nacelle using the steps that follow:

**WARNING:** SOLVENT IS FLAMMABLE AND THE VAPOUR IS HARMFUL. USE IN A WELL VENTILATED AREA. AVOID PROLONGED BREATHING OF VAPOURS OR PROLONGED OR REPEATED CONTACT WITH SKIN. HIGH CONCENTRATIONS MAY CAUSE IMPAIRED JUDGEMENT. PROTECTIVE GLOVES SHOULD BE WORN DURING USE. MAY CAUSE DERMATITIS BY REMOVING SKIN OILS. PRIOR TO USE OF THIS PRODUCT, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.

- (a) Use a clean, lint free cloth (CoMat 02-099) dampened with solvent (Methylethylketone (MEK) or Trichlorethane) to remove all oil, grease, dirt or other contaminants from the Air Intake Cowl surface where the 'ACCESO SENSOR P2/T2' stencil is to be applied. Wipe the area dry with a clean, lint free cloth before the solvent evaporates. Refer to Figure 1, view A.

- (b) Hold the stencil in the correct position with masking tape (CoMat 02-178).

**WARNING:** DO NOT GET THE PAINT BASE, CATALYST OR THINNER ON YOUR SKIN OR IN YOUR EYES. PUT ON PROTECTIVE CLOTHING, GOOGLES AND A FACE MASK. USE IN A WELL VENTILATED AREA. AVOID PROLONGED BREATHING OF VAPOURS. IF IN A CONFINED AREA USE A SUPPLIED AIR RESPIRATOR. GET MEDICAL AID IF YOUR SKIN OR EYES BECOME IRRATED. PRIOR TO USE OF THIS PRODUCT, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL LISTED SAFETY AND HEALTH PRECAUTIONS.



- (c) Mix the gloss base (CoMat 07-078), the catalyst (CoMat 07-077) and the thinner (CoMat 07-076) in accordance with the Manufacturer's instructions. Refer to the Standard Practices Manual, Chapter 70-30-00. Leave the mixture for 30 minutes before use.
- (d) Apply the paint mixture to the stencil area.
- (e) Remove the stencil and masking tape and use a cotton swab (CoMat 02-174) to clean off all unwanted paint.
- (f) Cure paint with a heat lamp placed to maintain a surface temperature of 70°C +/- 2°C for one hour.

**NOTE:** Allow the painted marking to dry for 15 minutes before the heat is applied.

- (3) Repeat steps (2)(a) thru (2)(f) and read:

- 'PUNTO DE APOYO' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view B in lieu of Refer to Figure 1, view A.

- (4) Repeat step (3) for the other three 'PUNTO DE APOYO' stencils.

- (5) Repeat steps (2)(a) thru (2)(f) and read:

- L/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'PUNTO DE APOYO' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view C in lieu of Refer to Figure 1, view A.

- (6) Repeat step (5) for the other 'PUNTO DE APOYO' stencil on the L/H Fan Cowl Door.

- (7) Repeat steps (2)(a) thru (2)(f) and read:

- L/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'ACCESO A DETECTOR PRINCIPAL DE PARTICULAS MAGNETICAS' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view D in lieu of Refer to Figure 1, view A.

- (8) Repeat steps (2)(a) thru (2)(f) and read:

- L/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'ACCESO PARA SERVICIO DE ACEITE....' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view E in lieu of Refer to Figure 1, view A.



(9) Repeat steps (2)(a) thru (2)(f) and read:

- L/H Fan Cowl Door Strake (upper surface) in lieu of Air Intake Cowl.
- 'NO APOYARSE' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.

NOTE: The 'NO APOYARSE' stencil is to be applied to the section of Fan Cowl Door Strake between the English decal and Fan Cowl Door Strake attaching locations.

- Refer to Figure 1, view F in lieu of Refer to Figure 1, view A.

(10) Repeat steps (2)(a) thru (2)(f) and read:

- L/H Fan Cowl Door Strake (lower surface) in lieu of Air Intake Cowl.
- 'NO APOYARSE' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.

NOTE: The 'NO APOYARSE' stencil is to be applied to the section of Fan Cowl Door Strake between the English decal and Fan Cowl Door Strake attaching locations.

- Refer to Figure 1, view G in lieu of Refer to Figure 1, view A.

(11) Open the L/H Fan Cowl Door as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-010-010.

(12) Repeat steps (2)(a) thru (2)(f) and read:

- L/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'PRECAUCION:VERIFICAR QUE COMPUERTAS AL CARRARLAS ESTEN COMPLETAMENTE ASEGURADAS' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view H in lieu of Refer to Figure 1, view A.

(13) Close the L/H Fan Cowl Door as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-410-010.

(14) Repeat steps (2)(a) thru (2)(f) and read:

- R/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'PUNTO DE APOYO' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view C in lieu of Refer to Figure 1, view A.

(15) Repeat step (14) for the other 'PUNTO DE APOYO' stencil on the R/H Fan Cowl Door.

(16) Repeat steps (2)(a) thru (2)(f) and read:

- R/H Fan Cowl Door Strake (upper surface) in lieu of Air Intake Cowl.
- 'NO APOYARSE' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view F in lieu of Refer to Figure 1, view A.

(17) Repeat steps (2)(a) thru (2)(f) and read:

- R/H Fan Cowl Door Strake (lower surface) in lieu of Air Intake Cowl.
- 'NO APOYARSE' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view G in lieu of Refer to Figure 1, view A.

(18) Repeat steps (2)(a) thru (2)(f) and read:

- R/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'ACCESO A CONTROL MANUAL DE ARRANQUE' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view J in lieu of Refer to Figure 1, view A.

(19) Repeat steps (2)(a) thru (2)(f) and read:

- Gearbox Breather Mast in lieu of Air Intake Cowl.
- 'NO PUNTO DE APOYE' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.

**NOTE:** The 'NO PUNTO DE APOYE' stencil can be applied above or below the English decal on the Gearbox Breather Mast.

- Refer to Figure 1, view K in lieu of Refer to Figure 1, view A.

(20) Repeat step (19) for the other side of the Gearbox Breather Mast.

(21) Open the R/H Fan Cowl Door as instructed in the A319/A320/A321/V2500-A1-A5 Aircraft Maintenance Manual, Task 71-13-00-010-010.

(22) Repeat steps (2)(a) thru (2)(f) and read:

- R/H Fan Cowl Door in lieu of Air Intake Cowl.
- 'PRECAUCION:VERIFICAR QUE COMPUERTAS AL CARRARLAS ESTEN COMPLETAMENTE ASEGURADAS' stencil in lieu of 'ACCESO SENSOR P2/T2' stencil.
- Refer to Figure 1, view H in lieu of Refer to Figure 1, view A.

(23) Close the R/H Fan Cowl Doors as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-410-010. Make sure you do not damage any wet Decals.

- (24) Apply masking tape (CoMat 02-178) to the area around the new stencilled markings. Leave a 0.04 in (1.0 mm) clearance between the Markings and the Tape.

**NOTE:** To gain access to the markings on the inner surface of the Fan Cowl Doors open the Left and right Fan Cowl Doors as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-010-010.

**WARNING:** DO NOT GET THE POLYURETHANE ON YOUR SKIN OR IN YOUR EYES. PUT ON PROTECTIVE CLOTHING, GOOGLES AND A FACEMASK. USE THE POLYURETHANE IN A WELL-VENTILATED AREA. IF IN A CONFINED AREA, USE A SUPPLIED AIR RESPIRATOR. DO NOT BREATHE THE GAS. GET MEDICAL AID IF YOUR SKIN OR EYES BECOME IRRITATED.

**WARNING:** KEEP FLAMES AND ELECTRICAL EQUIPMENT WHICH IS NOT FLAMEPROOF AWAY FROM THE WORK AREA. THE POLYURETHANE COATING IS FLAMMABLE.

- (25) Mix the clear polyurethane (CoMat 07-098), the catalyst (CoMat 07-097) and the thinner (CoMat 07-096) in accordance with the Manufacturer's instructions. Leave the mixture for 30 minutes before use.

**NOTE:** Prepare sufficient polyurethane coating to complete the task. The pot life of the coating is approx. 4 hours (Air temperature 77°F / 25°C).

**NOTE:** The thinner (CoMat 07-096) is not required if the polyurethane coating is to be applied with a brush.

- (26) Apply the polyurethane coating to each new marking and allow to cure at room temperature for 15 minutes.
- (27) Remove the masking tape and cure the polyurethane coating with a heat lamp placed to maintain a surface temperature of 70°C +/- 2°C for one hour.
- (28) Test the adhesion of the Spanish stencils as follows:
- (a) Apply a one inch wide strip of masking tape (CoMat 02-178) to the coated surface.
  - (b) Firmly press the tape onto the coated surface.
  - (c) Remove tape in one abrupt motion perpendicular to the coated surface.
- (29) Close the Left and right Fan Cowl Doors as instructed in the A319/A320/A321/V2500-A1/A5 Aircraft Maintenance Manual, Task 71-13-00-410-010.

#### C. Post-requisite Instructions

Not applicable.

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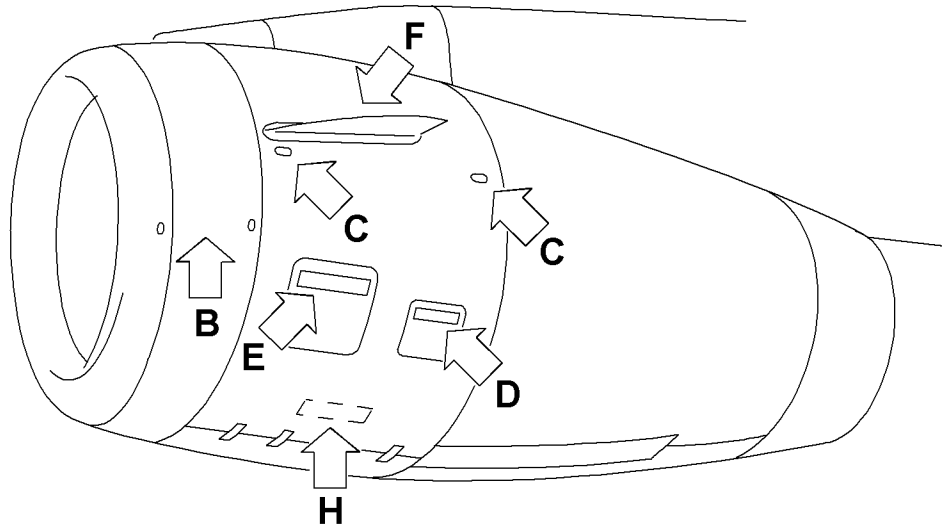
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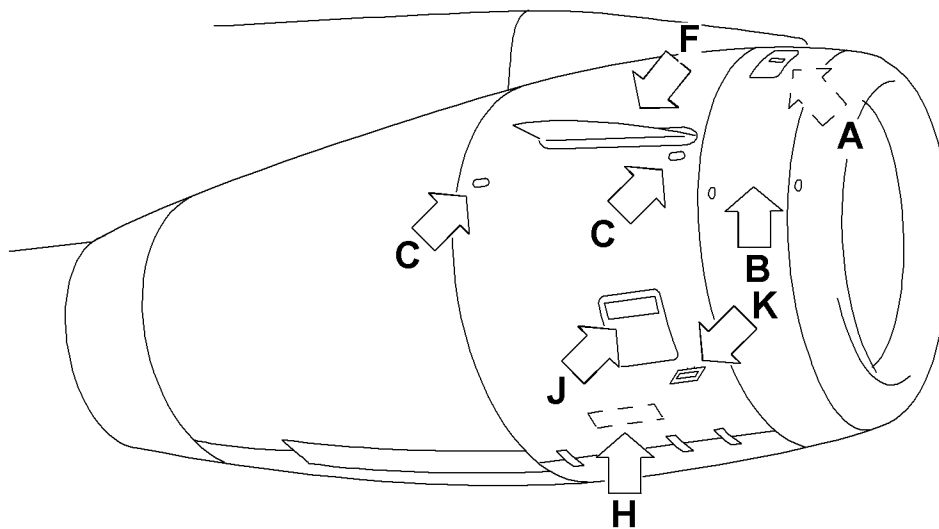
Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

**D. Recording Instructions**

A record of accomplishment is necessary. Write in the Aircraft Log Book and metal stamp, vibroetch or electroetch on the Air Intake Cowl and Fan Cowl Door data plate that Service Bulletin V2500-NAC-71-0260 has been done. Refer to the IAE V2500 Standard Practices/Processes Manual, Chapter 70-09-00.

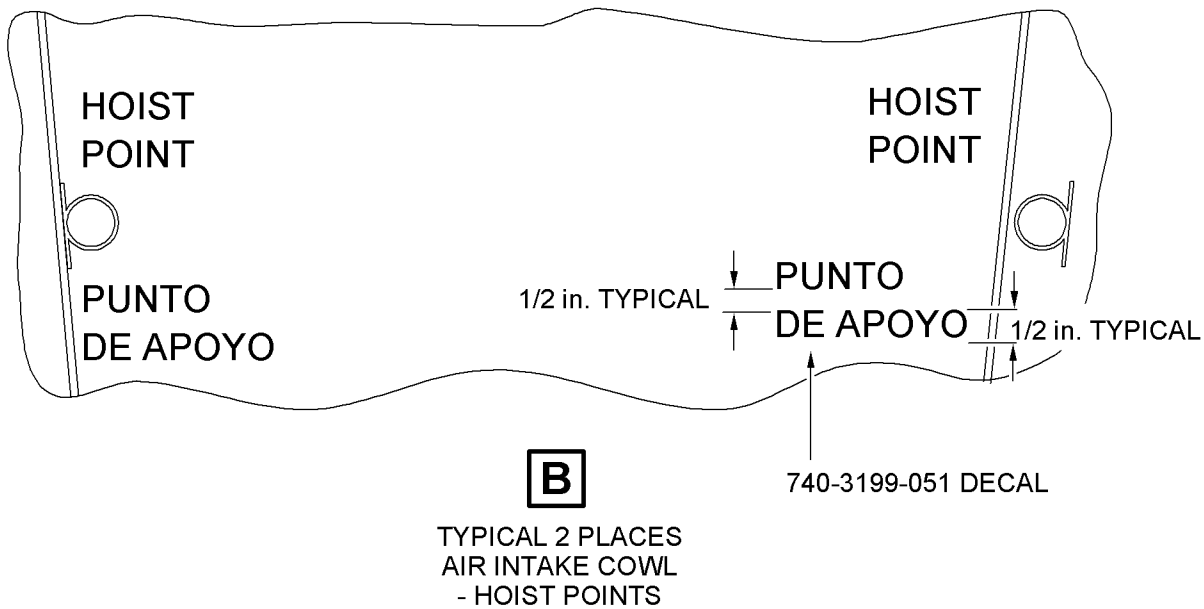
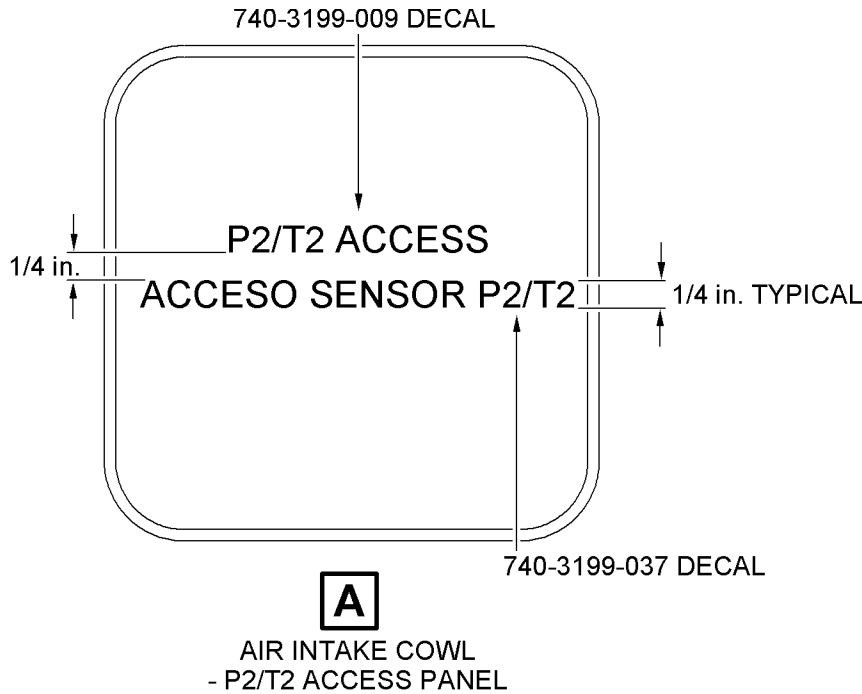


VIEW ON LH SIDE OF NACELLE



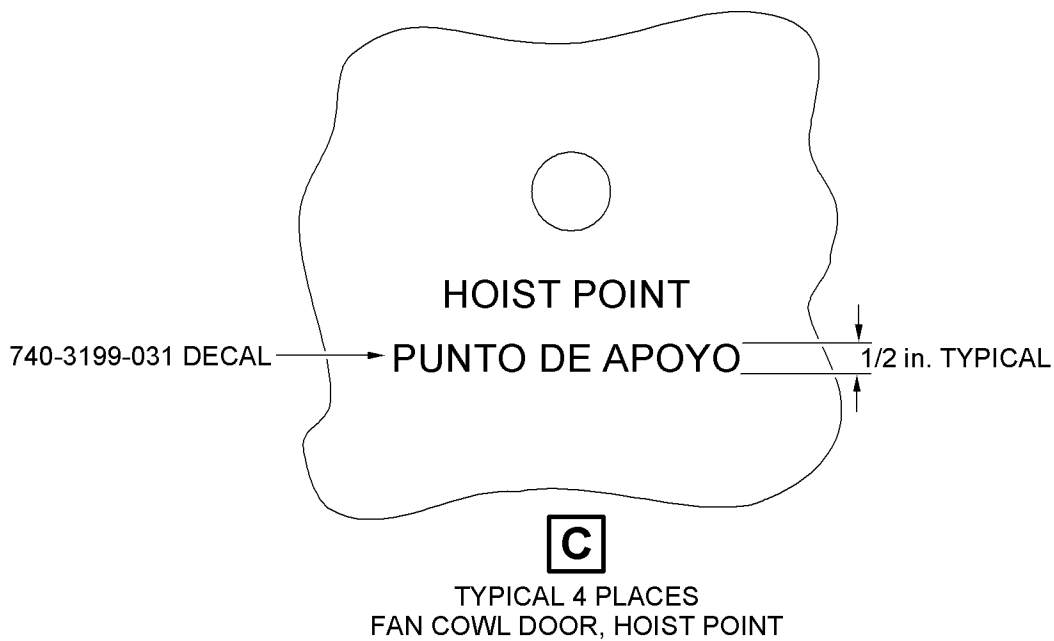
VIEW ON RH SIDE OF NACELLE

Decal / stencil Locations  
Figure 1, Sheet 1 of 7



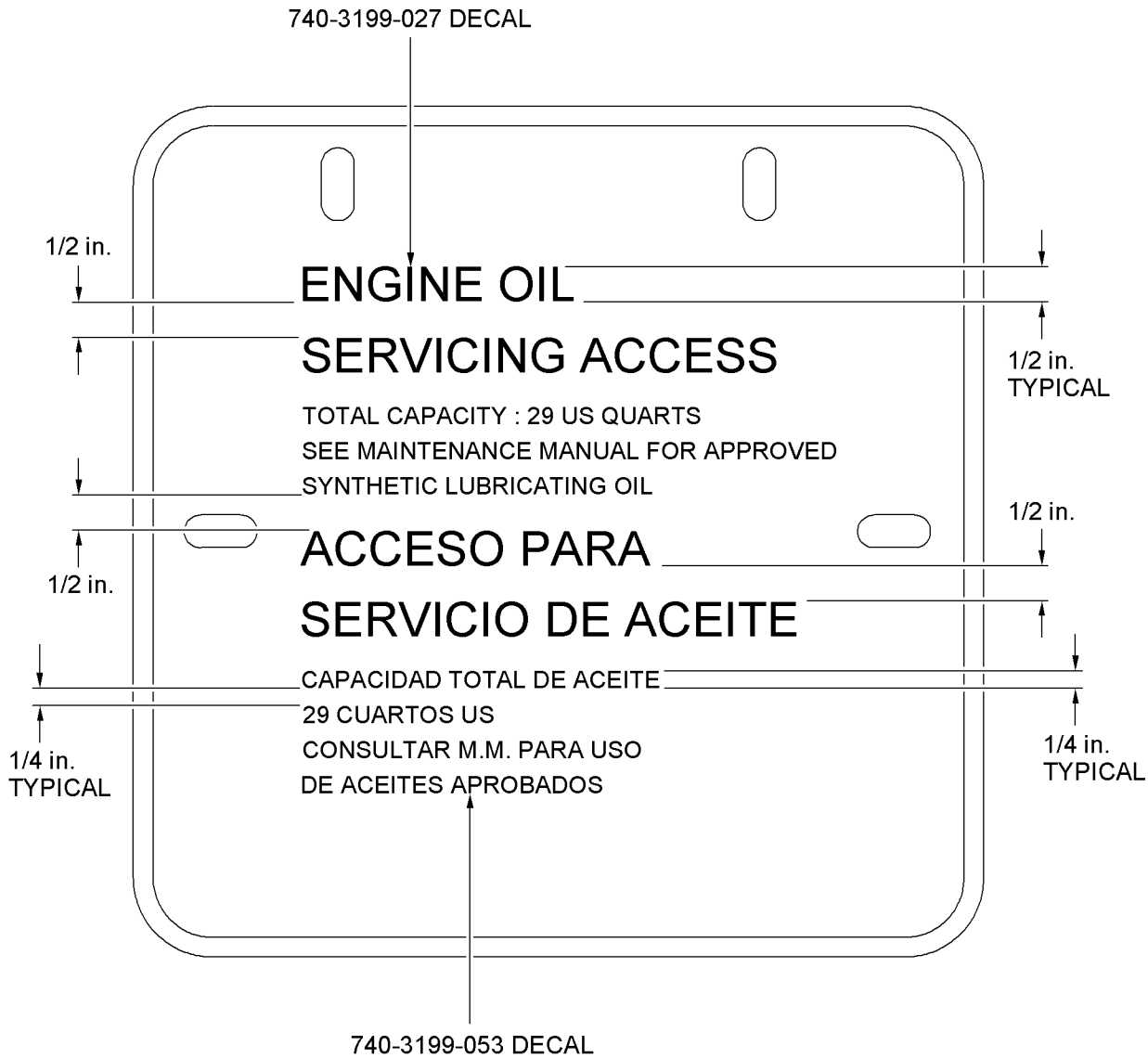
DIMENSIONS DISPLAYED FOR STENCIL METHOD

Decal / stencil Locations  
Figure 1, Sheet 2 of 7



DIMENSIONS DISPLAYED FOR STENCIL METHOD

Decal / stencil Locations  
Figure 1, Sheet 3 of 7

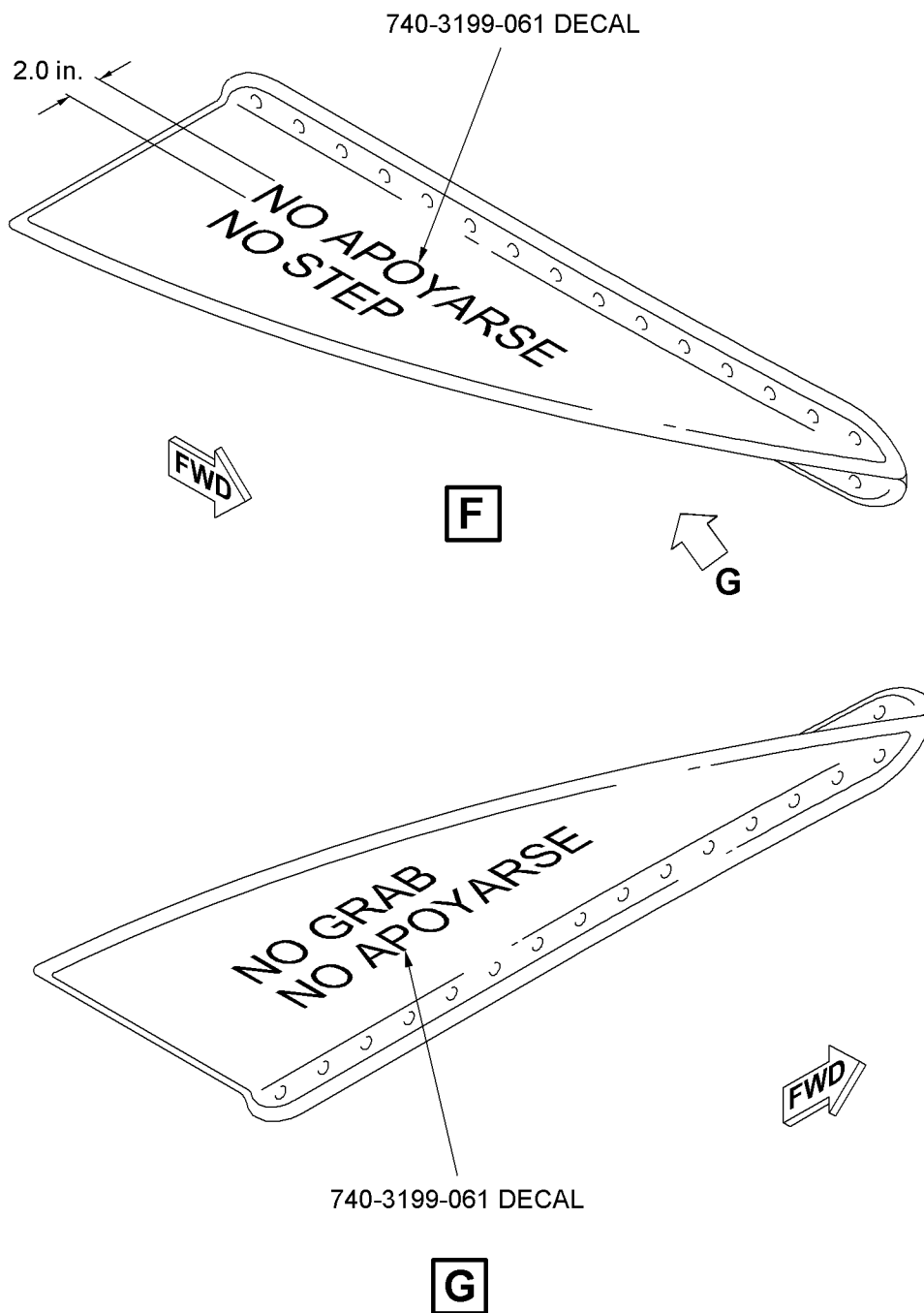


L/H FAN COWL DOOR  
- OIL FILTER ASSY

DIMENSIONS DISPLAYED FOR STENCIL METHOD

Decal / stencil Locations  
Figure 1, Sheet 4 of 7





DIMENSIONS DISPLAYED FOR STENCIL METHOD

Decal / stencil Locations  
Figure 1, Sheet 5 of 7

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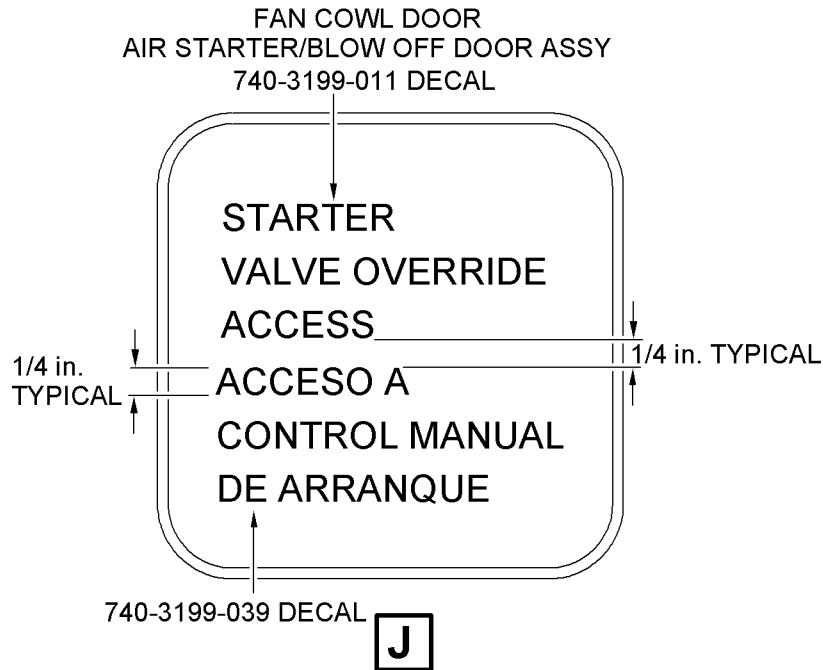
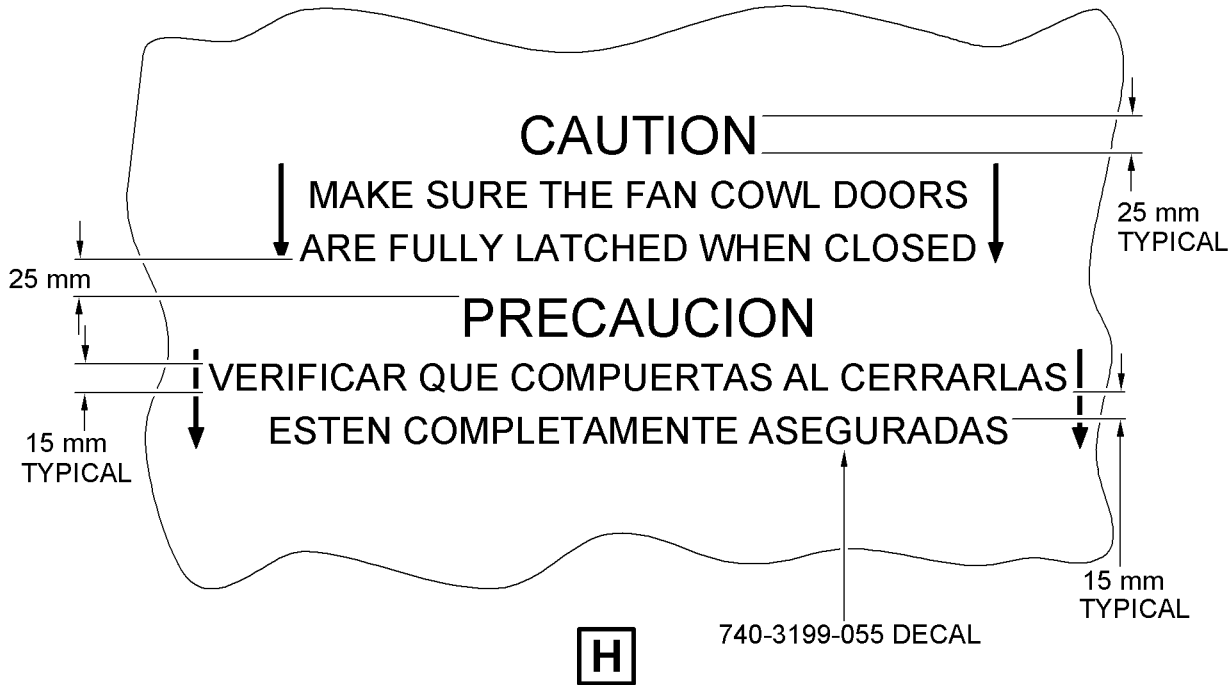
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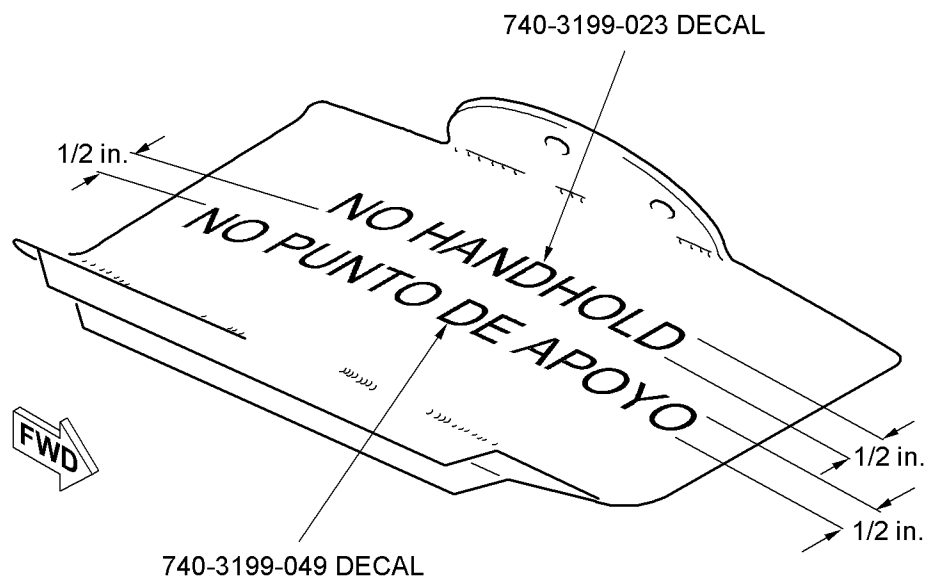


R/H FAN COWL DOOR  
 AIR STARTER DOOR ASSEMBLY

DIMENSIONS DISPLAYED FOR STENCIL METHOD

Decal / stencil Locations  
 Figure 1, Sheet 6 of 7

TOP VIEW SHOWN  
BOTTOM VIEW SIMILAR



R/H FAN COWL DOOR  
- GEARBOX BREATHER MAST

DIMENSIONS DISPLAYED FOR STENCIL METHOD

Decal / stencil Locations  
Figure 1, Sheet 7 of 7

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