

Doc. No.	GAM160/ICA
Date	08/04/2022
Revision	0

ROBINSON R66 INSTRUCTIONS FOR CONTINUED AIRWORTHINESS


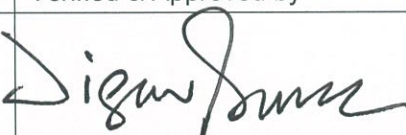
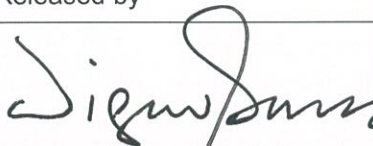
INSTALLATION OF DATA PLATE, EXTERIOR AND INTERIOR MARKINGS

IMPORTANT NOTE

This technical content of this document is approved under the authority of the DOA Approval No. DOA/2020/01.

The effectivity of the document at the latest revision is specified on the List of Effective Pages.


Approval Signature

Prepared by	Verified & Approved by	Released by
		
MOHD YASIR SHAPUAN Show Compliance Engineer (Structure) 08/04/2022	IR NIZAM NAZAR Compliance Verification Engineer (Structure) 08/04/2022	IR NIZAM NAZAR Approved Signatory 08/04/2022

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INTRODUCTION

1 Effectivity

Robinson R66

Registration	Serial Number
9M-BGG	0723

2 Scope

This document identifies the Instructions for Continued Airworthiness for Data Plate, Exterior and Interior Markings. This includes maintenance programme in association to the installation.

3 Purpose

This manual allows the Operator of the aircraft to possess necessary information in ensuring the continued airworthiness of the aircraft, so long as it is installed with this system as per FAR Part 27.

4 Precautions

When handling any chemical products, read the manufacturers' container labels and the Material Safety Data Sheets (MSDS) for important health, safety and environmental information. When using any equipment, always follow the manufacturers' instructions for safe operation.

5 Distribution of ICA


Galaxy Aerospace (M) Sdn Bhd will notify the Operator on any change or revision to this ICA. The Operator is responsible to notify the Design Holder on any change of ownership of the aircraft to address below:

GALAXY AEROSPACE (M) SDN. BHD. (1040262-D)

11-14, Helicopter Centre (MIAC),
Sultan Abdul Aziz Shah Airport,
47200 Subang,
Selangor Darul Ehsan, Malaysia.

Tel: +603-7734 7226

Email: doa21@galaxyaerospace.my


 Galaxy Aerospace <small>maintenance . repair . overhaul</small> INSTRUCTIONS FOR CONTINUED AIRWORTHINESS	INSTALLATION OF DATA PLATE, EXTERIOR AND INTERIOR MARKINGS ON ROBINSON R66	
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SECTION A

AIRWORTHINESS LIMITATIONS

1 Airworthiness Limitations

Part Number	Airworthiness Limitation	Remark
GAM16002-02	1.5 Years	Perform Replacement Before Exceeding Life Limit
GAM16002-03	1.5 Years	Perform Replacement Before Exceeding Life Limit
GAM16002-04	1.5 Years	Perform Replacement Before Exceeding Life Limit
GAM16002-05	1.5 Years	Perform Replacement Before Exceeding Life Limit
GAM16002-06	1.5 Years	Perform Replacement Before Exceeding Life Limit
GAM16002-10	1.5 Years	Perform Replacement Before Exceeding Life Limit

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SECTION B

INSPECTION SCHEDULE AND MAINTENANCE CHECKS


1 Inspection Requirements

The aircraft's approved maintenance schedule shall be amended to include the maintenance actions called below:

NO.	ITEM	MAINTENANCE ACTION	INTERVAL
1.	All Placards	1. Inspect placards for illegibility, security and cleanliness. 2. Compulsory to change the placard when it has become illegible. 3. Contact Galaxy Aerospace (M) Sdn. Bhd for part replacement.	Pre-Flight
3.	Data Plate	1. Inspect data plate for illegibility, security and cleanliness. 2. Check for sign of corrosion, dent and crack around Data Plate. 3. Contact Galaxy Aerospace (M) Sdn. Bhd for part replacement.	100 Hours
4.	Rivets	1. Check fasteners for security. 2. Check surface condition for dents, puncture and crack. 3. Replace the rivets if found defected.	100 Hours

2 Component Overhaul Schedule

No component overhaul required for this minor modification design.

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SECTION C

MAINTENANCE PROCEDURES

1 Description and Maintenance Data

1.1. Weight & Moment Arm

Not Applicable. The weight change is negligible to the overall aircraft weight.

1.2. Placards and Markings

Refer to Section E – Illustrated Parts Catalogue for list of data plate and placards.

2 Maintenance Instructions

2.1 Removal / Installation

A. References

- i. Robinson R66 Maintenance Manual (MM), Issued April 2019 or latest revision.
- ii. 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

B. Specials Tools


No special tools required.

C. Consumable Materials

None

D. Job Set-up

- i. Prepare the aircraft for the inspection.
- ii. Avoid carrying out inspection works if the aircraft is on jacks.
- iii. Identify locations for each inspection on the aircraft.
- iv. Implement suitable access means.

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E. Procedure

- i. Locate placards as per Section E.
- ii. Perform visual inspection as per maintenance action table of Section B Inspection Schedule and Maintenance Checks - 1 Inspection Requirements.
- iii. Check condition and security of placard.
- iv. Replace placards if damaged

F. Close up

- i. Check aircraft aspect and cleanliness.
- ii. Return aircraft to service and clean the work area.

2.2 Exterior Placard Replacement

A. References:

- i. 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.
- ii. Robinson R66 Maintenance Manual (MM), Issued April 2019 or latest revision.

B. Specials Tools:

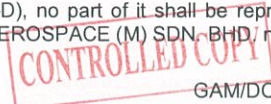
- i. Refer 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.


C. Consumable Materials

- i. Refer 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

D. Job Set-up:

- i. Prepare the aircraft for placard replacement.
- ii. Avoid carrying out placard removal if the aircraft is on jacks.
- iii. Identify locations for each placard on the aircraft that need to be replaced.
NOTE: Contact Galaxy Aerospace (M) Sdn. Bhd for part replacement.
- iv. Implement suitable access means.



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E. Procedure:

- i. Locate placards as per Section E.
- ii. Perform placard removal/ installation according to 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

F. Close up:

- i. Check aircraft aspect and cleanliness.
- ii. Return aircraft to service and clean the work area.

2.3 Exterior Placard Cleaning

A. References:

- i. 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.
- ii. Robinson R44 Maintenance Manual (MM), Issued August 2019 or latest revision.

B. Specials Tools:

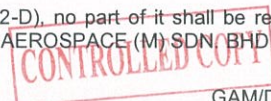
- i. Refer 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

C. Consumable Materials

- i. Refer 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

D. Job Set-up:

- i. Prepare the aircraft for placard installation.
- ii. Avoid carrying out placard cleaning if the aircraft is on jacks.
- iii. Identify locations for each placard on the aircraft that need to be cleaned.
- iv. Implement suitable access means.



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E. Procedure:

- i. Locate placards as per Section E
- ii. Perform placard cleaning according to 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

F. Close up:

- i. Check aircraft aspect and cleanliness.
- ii. Return aircraft to service and clean the work area.

2.4 Exterior Placard - Repairing Damaged Areas

A. References:

- i. 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.
- ii. Robinson R44 Maintenance Manual (MM), Issued August 2019 or latest revision.

B. Specials Tools:


- i. Refer 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

C. Consumable Materials

- i. Refer 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

D. Job Set-up:

- i. Prepare the aircraft for placard installation.
- ii. Avoid carrying out placard installation if the aircraft is on jacks.
- iii. Identify locations for each placard on the aircraft that need to be repaired.
- iv. Implement suitable access means.

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E. Procedure:

- i. Locate placards as per Section E
- ii. Perform placard repair according to 3M™ Instruction Bulletin 5.27, Dated May 2015 or latest revision.

F. Close up:

- i. Check aircraft aspect and cleanliness.
- ii. Return aircraft to service and clean the work area.

2.5 Data Plate Replacement

A. References:

- i. CherryMAX® Rivet Product Data Sheet, CA-1015, Rev. C or latest revision.
- ii. Robinson R66 Maintenance Manual (MM), Issued April 2019 or latest revision.

B. Specials Tools:


- i. Nil special tool required.

C. Consumable Materials

- i. Refer Section E.

D. Job Set-up:

- i. Prepare the aircraft for data plate replacement.
 - ii. Avoid carrying out data plate replacement if the aircraft is on jacks.
 - iii. Prepare for part replacement. Refer Section E for required parts.
- NOTE: Contact Galaxy Aerospace (M) Sdn. Bhd for part replacement

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E. Procedure:

- i. Access to data plate location.
- ii. Perform fastener removal
- iii. Perform new data plate installation by installing new fastener.

F. Close up:

- i. Check aircraft aspect and cleanliness.
- ii. Return aircraft to service and clean the work area.

2.6 Interior Placard Replacement

A. References:

- i. Robinson R66 Maintenance Manual (MM), Issued April 2019 or latest revision.
- ii. 3M™ Adhesive Transfer Tape 468MP Revision December 2017 or latest revision.

B. Specials Tools:

- i. Nil special tool required.


C. Consumable Materials

- i. Refer Section E.

D. Job Set-up:

- i. Prepare the aircraft for interior placard replacement.
- ii. Avoid carrying out data plate replacement if the aircraft is on jacks.
- iii. Prepare for part replacement. Refer Section E for required parts.

NOTE: Contact Galaxy Aerospace (M) Sdn. Bhd for part replacement

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E. Placard Replacement:

- i. Access to placard location which require replacement.
- ii. Perform old placard removal by peeling the placard. Start at corners and slowly peel off placard by hand or using a plastic wedge. Avoid damaging or removing paint or primer from surfaces. Remove decal entirely.
- iii. Clean the surface of the where the placard has been removed using isopropyl alcohol.
- iv. Install new placard. Attach placard and rub placard surface with finger, applying slight pressure.

F. Close up:

- i. Check aircraft aspect and cleanliness.
- ii. Return aircraft to service and clean the work area.

2.7 Functional Test

Not applicable.

2.8 Troubleshooting

Not applicable.

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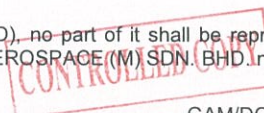
SECTION D

WIRING DIAGRAM (NOT APPLICABLE)

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SECTION E

ILLUSTRATED PARTS AND TOOLS CATALOGUE



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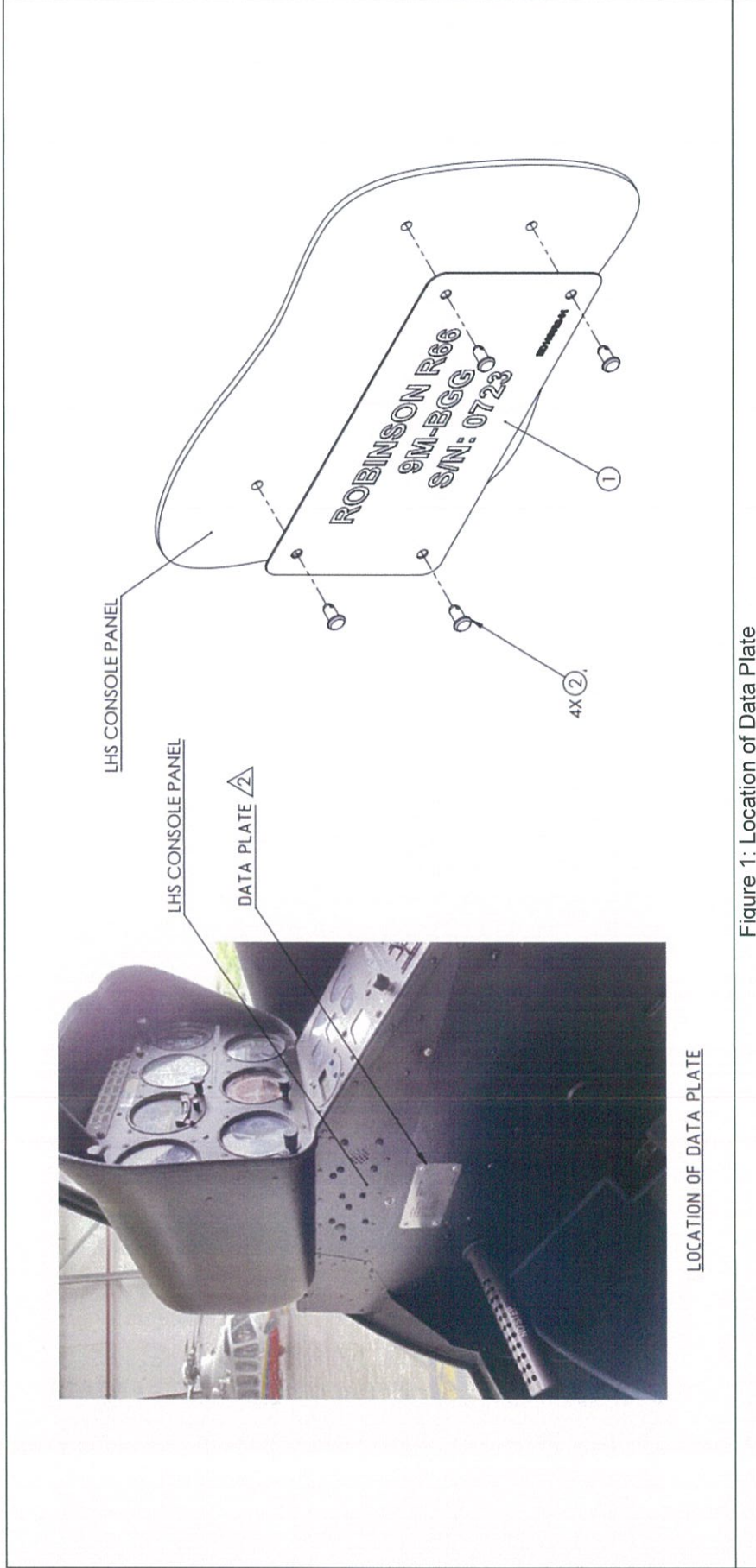


Figure 1: Location of Data Plate



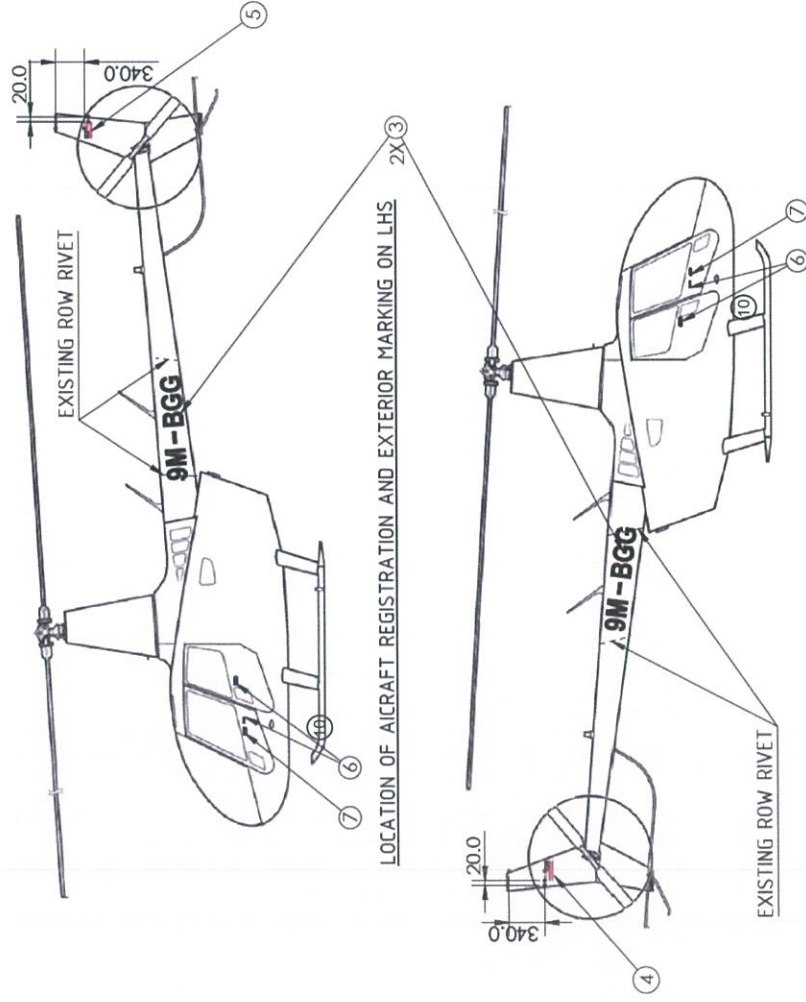
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LOCATION OF AIRCRAFT REGISTRATION AND EXTERIOR MARKING ON LHS

LOCATION OF AIRCRAFT REGISTRATION AND EXTERIOR MARKING ON RHS

Figure 1: Location of Exterior Placard (Left Hand Side & Right Hand Side)

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LOCATION OF INTERIOR PLACARD ON AFT PILOT DOOR



LOCATION OF INTERIOR PLACARD ON AFT CO-PILOT DOOR



LOCATION OF INTERIOR PLACARD ON AFT LHS DOOR



LOCATION OF INTERIOR PLACARD ON AFT RHS DOOR

Location of Interior Placard (Left Hand Side & Right Hand Side)

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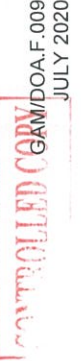
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No.	Description	Details	Material	P/N	Qty
1.	Data Plate	<p>Thickness: 0.032 INCH (0.8 mm) Font Type: ARIAL BOLD Font Size: 28 ROBINSON R66 9M-BGG S/N: 0723 Font Size: 8 ED049002-001 Font Color: Black Background: Silver</p>	Material: Aisi 304 Stainless Steel	ED160002-02	1
2.	Rivet	CR3213-4	Aluminium	Commercial	4
3.		Font: Arial Bold Font size: 935 Font Colour: Black Background: No background, cut shape(word by word) Size: 1222.5 X 240	3M Exterior Aircraft Graphic Film A7732	ED160002-02	2

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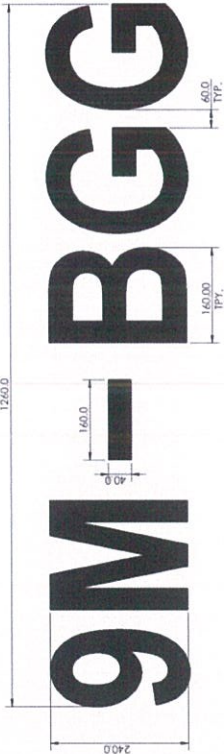
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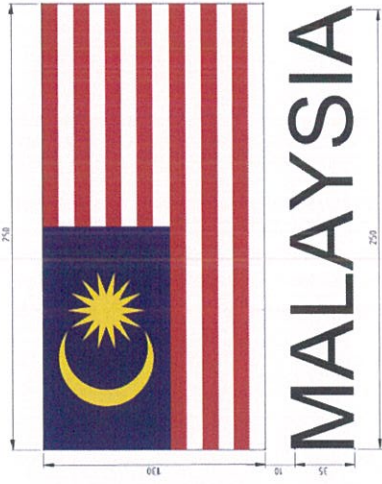
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No.	Description	Details	Material	P/N	Qty
4.		<p>LH Malaysia Flag Border: Black borderSize: 250 X 130</p> <p>MALAYSIA Wording: Cut shape (word by word)</p>	<p>3M Exterior Aircraft Graphic Film A7732</p>	<p>ED160002-03</p>	<p>1</p>



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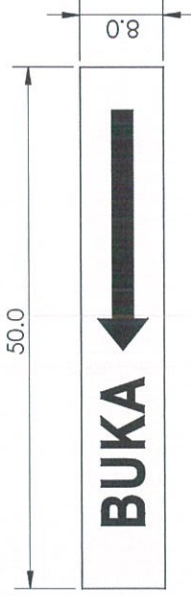
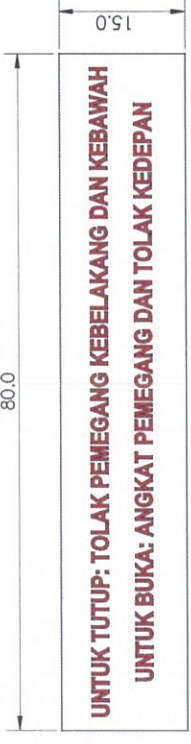
No.	Description	Details	Material	P/N	Qty
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6.		Exterior EXIT/KELUAR Font: Arial Bold Font Colour: Red Maroon Background: White Size: 130 X 18 PN font: Arial PN size: 6	3M Exterior Aircraft Graphic Film A7732	ED160002-05	4



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No.	Description	Details	Material	P/N	Qty
7.		Interior EXIT/KELUAR Font: Arial Bold Font Colour: Red Maroon Background: White Size: 130 X 18 PN font: Arial PN size: 6	Rigid Vinyl Film	ED160002-07	4
8.		Exterior RH BUKA Font: Arial Bold Font Colour: Black Background: White Size: 50 X 8	3M Exterior Aircraft Graphic Film A7732	ED160002-06	4
9.		Interior LH BUKA Font: Arial Bold Font Colour: Red Background: White Size: 80 X 15	Rigid Vinyl Film	ED160002-08	4



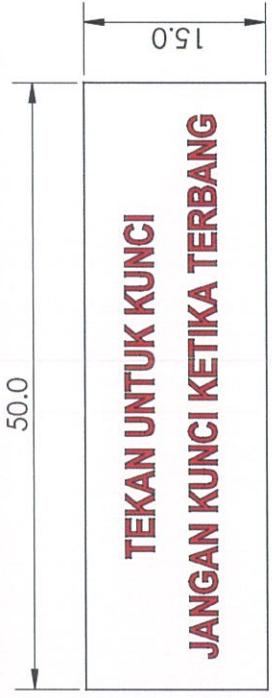
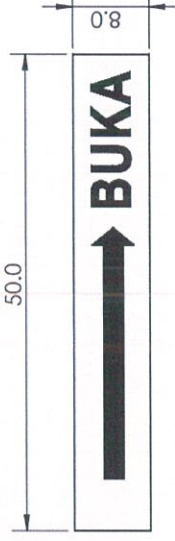
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No.	Description	Details	Material	P/N	Qty
10.		Interior RH BUKA Font: Arial Bold Font Colour: Red Background: White Size: 50 X 15	Rigid Vinyl Film	ED160002-09	2
11.		Exterior LH BUKA Font: Arial Bold Font Colour: Black Background: White Size: 50 X 8	3M Exterior Aircraft Graphic Film A7732	ED160002-10	4

