



TEAR DOWN INSPECTION REPORT

Report No : ZCOE/TDI/AV/R/0144/20
Customer : GALAXY AEROSPACE (M) SDN. BHD.
Work Order No : FLIR/SS III/GALAXY/01/2020
Job No : ZCOE/AV/F/01/20

Part Number	TFU: 3290003-589; CEU: 3203134-532; UHCU: 3204853-4
Description	STAR SAFIRE III SYSTEM
Serial Number	TFU: 3411589; CEU: 3421589; UHCU: 3431573
Manufacturer	FLIR SYSTEM INC. OR, USA

Customer Complaint	IR MODE UNABLE TO ZOOM
Finding	1. TFU - IR MODE IMAGE BLUR AND UNABLE TO FOCUS. 2. TFU - HUMIDITY INDICATOR FOUND PINK OUT OF RANGE SCALE. 3. UHCU - AUX 2 PUSH BUTTON -FOUND STUCK IN PLACE.

Tear Down and Analysis:

1. UHCU – i. Visual inspection on the UHCU found scratches at handle and at the rear side of the item.
ii. AUX 2 push button stuck
iii. Dirty at push button/knob
2. CEU - i. Visual and physically inspection unit found satisfactory.
ii. Dirty at connectors.
3. TFU - i. Visual and Physically inspection found satisfactory.
ii. Dirty at all lenses and connectors.
iii. Fuses checks found satisfactory, Humidity Indicator - pink

Functional check carried out IAW Service Checklist Star Safire III Thermal Imaging System found as per finding.

Recommendation:

Defective item to be replace, repair and servicing to be carry out.
Desiccator-Breathing Indicator need to be replace.
Nitrogen Purging need to be carry out.



Parts Required:

Item	Part Number	Description	Qty	Unit Price(RM)	Total Price(RM)
01	NIL	NIL	NIL	NIL	NIL

Markup Price 20%

(a)		Total Parts Price (RM):	NIL
(b) Labour (RM):	RM516.00 X 21 Hrs		10,836.00
(c) Transport : (DELICATE ITEMS)			250.00
Total (RM): (b+c)			10,886.00
Grand Total (RM):			<u>11,086.00</u>

(Our quotation is based upon our initial evaluation. Additional charges may be required once initial repairs and parts are replaced).

Validity: _____

Delivery Estimate: _____

Signature:.....

Date:18/11/2020.....

for **Zetro Services Sdn. Bhd.**

MUHAMMAD HAFIZ MOHD TAIB
PROGRAM INSPECTOR (INSTRUMENTS)
ZETRO CENTRE OF EXCELLENCE



Zetro Services Sdn. Bhd.
(236761-P)
Zetro House,
Lot 762, Lengkok Emas 1,
Kawasan Perindustrian Nilai,
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PRICE QUOTATION

To:

GALAXY AEROSPACE(M) SDN. BHD.
SUITE 11-14, HELICOPTER CENTRE,
MALAYSIAN INTERNATIONAL AEROSPACE CENTRE,
SULTAN ABDUL AZIZ SHAH AIRPORT, 47200, SUBANG, SELANGOR
(Attn: MR. SYAFRUL YAMANI SAFRUDDIN)

FOR REPAIR/OVERHAUL/CALIBRATION/EXCHANGE NEW/OHC CONDITION/ POOLEX

Price Quotation No:

Customer: GALAXY AEROSPACE (M) SDN BHD
Unit ref. no.: ZCOE/AV/ 081/20 (ZCOE/AV/F/001/20)
Unit ref. date: 18 NOVEMBER 2020

We are pleased to submit our quotation for **repair/overhaul/calibration/exchange new/ohc condition /poolex** of the item listed below, as follows:

Parts details

Manufacturer : FLIR SYSTEM INC. OR, USA
Part Number : TFU: 3290003-589; CEU: 3203134-532; UHCU: 3204853-4
Description : STAR SAFIRE III SYSTEM
Serial Number : TFU: 3411589; CEU: 3421589; UHCU: 3431573
Quantity : 01 EACH

Indent details

Work Order No : NIL
Work Order Date : NIL
Indent price : NIL
Cost of new : NIL

Pricing details

(a) TDI/ Calibration Cost
i. Labour Charge : N/A
ii. Administrative Charge : N/A
iii. Freight Charge : N/A
iv. Transportation Charge : N/A

Total TDI/ Calibration Charges : N/A
**strike which is not applicable*

(b) Repair Cost

i. Cost Estimate/Repair Charge : RM10,836.00 (RM516.00 X 21 HRS)
ii. Part/ Material Charge : NIL
iii. Administrative Charge (%) :
iv. Freight Charge :
v. Transportation Charge : RM250.00 (DELICATE ITEMS)

Total Repair Charges : RM11,086.00

(c) Exchange New/Replacement

- i. Cost of New : N/A
- ii. Administrative Charge (%) : N/A
- iii. Freight Charge : N/A
- iv. Transportation Charge : N/A

Total Exchange New Charges : N/A

Remarks:

TDI Report No: ZCOE/TDI/AV/R/0143/20 dated 18 NOVEMBER attached. We look forward to received and indent with total price **RM11,086.00**. Your consideration and approval is greatly appreciated.

Validity: This offer is open for acceptance within a period of **30 days** from the date of this Price Quotation

Estimate Delivery from receipt of approval: **60 days**

Warranty:

Signature:


for ~~Zetco Services~~ Sdn. Bhd.
HAMIDAH BINTI HAMA
Maintenance Manager (Flir)
ZCOE Nilai

Date: 19/11/2020

Note: 'N/A' which is not applicable.