

Our reference: 21-7157

Date: 8/1/2021

c/o Yap Motor Service Pte Ltd
Blk 7 Sin Ming Industrial East Sector C
#01-82
Singapore 575642

Dear Sirs

RE: Road Traffic Accident on 4/12/2020
Harris Services

In accordance with your instructions received in this office on **21/12/2020**, we made arrangements to examine the vehicle on **21/12/2020** at above-mentioned address. The following data was recorded:

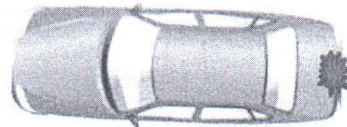
Vehicle details

Make	Honda	Registration	SMS1044M
Model	Freed	Chassis	GB71114737
Colour	Grey	Gearbox	Auto
Odometer	14969km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	185/65R15	85% Yokohama
Front right	185/65R15	85% Yokohama
Rear left	185/65R15	85% Yokohama
Rear right	185/65R15	85% Yokohama

Impact Direction & Area of Damage:



Status	REPAIRABLE
Magnitude	Medium
Legal status	Unroadworthy

Following our examination of the accident damage, we have calculated repair times and method, which are detailed on page 2 & 3. We would recommend a sum of **\$6,288.04** and **7** working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

Subsidiaries of Impact Analysis Consultant:

- Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
 - IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd
- www.iaconsultingsg.com

Our reference 21-7157

Date 8/1/2021

Page 2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items:				
Tail gate	1	crushed	1498.00	1498.00 ✓ 1044.20
Tail gate outer handle garnish	1	intact	287.60	0.00 NH
Tail gate logo	1	necessary	45.90	45.90 ✓
Tail gate emblem 'FREED'	1	necessary	64.50	64.50 ✓
Tail gate plate "HYBRID"	1	necessary	102.00	102.00 ✓
Tail gate inner trim board	1	deformed	357.20	357.20 ✓
Tail gate inner weatherstrip	1	ripped/nec	214.00	214.00 ✓
Tail gate top lock	1	damaged	386.20	386.20 ✓
Rear bumper	1	crushed	948.30	948.30 ✓ 828.90
Rear bumper inner bracket lh	1	damaged	75.40	75.40 ✓
Rear bumper side retainer @\$56.40	2	cracked	112.80	112.80 NH
Tail lamp @\$412.60	2	refix	825.20	0.00 NH
Rear end panel	1	bent	384.60	384.60 ✓
Rear end panel top garnish	1	deformed	189.90	189.90 ✓
Rear fender inner trim @\$593.20	2	refix	1186.40	0.00 NH
Sub- Total costs			6678.00	4378.80
Percentage discount : 20%			1335.60	875.76
Sub-Total costs for parts			5342.40	3503.04

Special Nett Items:

Tail gate windscreen sealant	1	necessary	60.00	60.00 40/-
Rear bumper clip @\$6.5	8	necessary	52.00	52.00 20/-
Rear end panel sealant	1	necessary	30.00	30.00 ✓
Rear reverse camera	1	serviceable	350.00	0.00 NH
Rear reverse sensor	1	malfunction	280.00	280.00 220/-

Subsidiaries of Impact Analysis Consultant:

- Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
 - IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd
- www.iaconsultingsg.com



Impact Analysis Consultant

Practicing Management Consultant (PMC) of SBACC
Approved Training Organisation (ATO) of Workforce Singapore

No.25 Kaki Bukit Road 4
#06-46 Synergy @KB
Singapore 41780
Hotline: 6385 1171

Our reference 21-7157

Date 8/1/2021

Rear end panel top garnish clips

3 necessary

Sub-Total costs for parts

19.50	19.50
791.50	441.50

15/-

Parts Repair

*

* *

Sub- Total costs

Total costs for parts

0.00	0.00
0.00	0.00
6133.90	3944.54

325.00

Subsidiaries of Impact Analysis Consultant:

• Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
• IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd
www.iaconsultingsg.com



Impact Analysis Consultant

Practising Management Consultant (PMC) of SBACC

Approved Training Organisation (ATO) of Workforce Singapore

Our reference 21-7157

Date 8/1/2021

Page 3

No.25 Kaki Bukit Road 4
#06-46 Synergy @KB
Singapore 41780
Hotline: 6385 1171

Section B: Labour Cost Calculation

	Hourly rate	Manhr. Req.	Total
To dismantle, replace, cut, weld, knock out dents to straighten accident parts as-mentioned on the 'Parts Repair' column inclusive of replacement parts.	\$ 45.00	24 3 days	\$ 1,080.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material. 3 panel	Sub-contract work.		\$ 750.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00
Remove and refix upholstery to facilitate the repair works	\$ 45.00	1.5	\$ 67.50
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3.5	\$ 157.50
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	1.8	\$ 81.00
Wiring and bulb checking	\$ 45.00	0.8	\$ 36.00
Total labour cost			\$ 2,343.50

Manhour rate and the number of manhours required for each repairing task are formulated based on individual workshop's operating cost and in-house@ IA Research Guidelines respectively.

Subsidiaries of Impact Analysis Consultant:

- Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
- IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd

www.iaconsultingsg.com

600/-
600/-
✓
✓ 60
120/-
40/-
30/-
60/-
30/-

1590.30

1590-W

4869.24

4/5 3850/-

5 days



Impact Analysis Consultant

Practicing Management Consultant (PMC) of SBACC

Approved Training Organisation (ATO) of Workforce Singapore

Our reference 21-7157

Date 8/1/2021

No.25 Kaki Bukit Road 4

#06-46 Synergy @KB

Singapore 41780

Hotline: 6385 1171

Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		\$3,944.54	
Part-By-Part		\$0.00	
Further discount	0%		
Recommended cost of parts		\$3,944.54	(1)
Labour Cost Calculation (See section B)		\$2,343.50	(2)
Total Repair Cost (Round off to hundred)		\$6,288.04	(1) + (2)

We would recommend a sum of \$6,288.04 and 7 working days for repair. No further items will be approved without our expressed written agreement. Any significant additional items will be subject to a supplementary report.

Mechanical Engineer, Accident Expert Witness, Licensed Appraiser (Automobile)
B.Eng. (Hons, NUS)

Diploma. Mechanical Engineering

NTC-2 Automovite Technology

Sr.MIES, Institution of Engineers, Singapore (#20100091)

MATAI, Maryland Association of Traffic Accident Investigators

IAARS, International Association of Accident Reconstruction Specialists

PMC of Singapore Business Advisors & Consultants Council

ACTA certified Trainer, Singapore

Enterprise Singapore - Recognised Certification for Management Consultants

IMI Professional Certificate In Vehicle Accident Damage Assessment (UK)

Subsidiaries of Impact Analysis Consultant:

- Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
 - IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd
- www.iaconsulting.sg.com