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 417800
Hotline: **6385 1171**

Our reference: 21-8357

Date: 8/12/2021

c/o Triple-T Automobile
Blk 6 Defu Lane 10
#01- 556
Singapore 539187

Dear Sirs

RE: Road Traffic Accident on 12-10-2021
H Klassic Design Pte Ltd

In accordance with your instructions received in this office on   **29-11-2021**   , we made arrangements to examine the vehicle on   **29-11-2021**   at above-mentioned address. The following data was recorded:
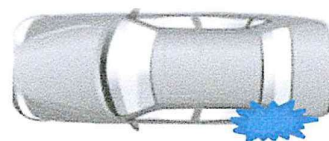
Vehicle details

Make	Fiat	Registration	GBG8690U
Model	Doblo	Chassis	ZFA26300006H31333
Colour	Grey	Gearbox	Auto
Odometer	120376km	Paintwork	Good
Steering	Good	Brakes	Good
Condition	Good		

Tyre Depths

Front left	195/60R16	85% Bridgestone
Front right	195/60R16	85% Bridgestone
Rear left	205/60R16	85% Habilead
Rear right	205/60R16	85% Habilead

Status	REPAIRABLE
Magnitude	Medium
Legal status	Unroadworthy

Impact Direction & Area of Damage:

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   **$4,000.00**   and   **5**   working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

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Date	8/12/2021
Page	2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items:				
Rear bumper	1	torn.deformed	600.50	600.50
Rear bumper reinforcement	1	inconsistent	683.48	0.00
Rear bumper side retainer lh	1	damaged.nec	65.10	65.10
Tail lamp lh	1	cracked	345.40	345.40
Rear fender lh	1	crushed	1589.00	1589.00
Sliding door lh	1	repair.respray	2451.00	0.00
Tail lamp panel lh	1	bent	172.10	172.10
Rear door hinge lh	1	damaged	65.80	65.80
Rear door lh	1	repair.respray	1758.00	0.00
Rear door emblem 'Doblo max" lh	1	necessary	79.80	79.80
Rear door "90 multijet 2" lh	1	necessary	64.10	64.10
Rear end panel	1	repair	612.00	0.00
Sub- Total costs			8486.28	2981.80
Percentage discount :	10%		848.63	298.18
Sub-Total costs for parts			7637.65	2683.62
Special Nett Items:				
Rear bumper reverse sensor	set	refix	250.00	0.00
Rear fender sealant lh	1	necessary	40.00	40.00
Rear door sticker 70km/h lh	1	necessary	15.00	15.00
Rear bumper clips	10	necessary	60.00	60.00
Sub-Total costs for parts			365.00	115.00
Parts Repair				
*		*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			8002.65	2798.62

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Page	3

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	17	$ 765.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material. (rear fender lh, sliding door lh, rear bumper, rear door lh)	Sub-contract work.		$ 850.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		$ 50.00
Conduct water leak test for rear portion associated repair works	$ 45.00	1	$ 45.00
Remove and refix rear reverse sensor & conduct distance safety setting	$ 45.00	1.7	$ 76.50
Wiring and bulb checking	$ 45.00	0.8	$ 36.00
	Total labour cost		$ 1,822.50

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.

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Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		$2,798.62	
Further discount	**20%**	$559.72	
Recommended cost of parts		$2,238.90	(1)
Labour Cost Calculation (See section B)		$1,822.50	(2)
Total Repair Cost (Round off to hundred)		$4,000.00	(1) + (2)

We would recommend a sum of   **$4,000.00**   and   **5**   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)

GBG 8690U
MOTORVIVA PTE LTD
DOBLO max
90 multijet
70 km/h