

Our reference: 22 - 170722

Date: 31/05/2022

c/o Garage 13 Pte Ltd
8 Kaki Bukit Ave 4
#02-54/55 Premier@KB
Singapore 415875

Dear Sirs

**RE: Road Traffic Accident on 08-05-2022
Muhammad Hanafi Bin Abdul Molok**

In accordance with your instructions received in this office on **18-05-2022**, we made arrangements to examine the vehicle on **18-05-2022** at above-mentioned address. The following data was recorded:

Vehicle details

Make	Toyota	Registration	SLD2821X
Model	Vios E	Chassis	MR053HY9305168732
Colour	Milky Green	Gearbox	Auto
Odometer	269954km	Paintwork	Fair
Steering	In order	Brakes	In order
Condition	Fair		

Tyre Depths

Front left	195/55R5	80% Firenza
Front right	195/55R5	80% Firenza
Rear left	195/55R5	85% Firenza
Rear right	195/55R5	85% Firenza

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 **\$3,900.00** and **4** 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:

• Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd
www.iaconsulting.sg.com

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Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items :				
Front bumper	1	dislodged.torn	495.70	495.70
Front bumper retainer lh	1	cracked	64.60	64.60
Headlamp lh	1	grazed.fractured	475.00	475.00
Front fender lh	1	distorted	637.70	637.70
Front fender emblem 'VVT-I'	1	necessary	48.20	48.20
Front fender inner shield lh	1	torn	165.00	165.00
Front fender inner bracket lh	1	bent	78.00	78.00
Front lower arm lh	1	refix	480.00	0.00
Front knuckle arm lh	1	warped	558.90	558.90
Front shock absorber lh	1	bent	463.80	463.80
Front shock absorber top mounting lh	1	bent	223.30	223.30
Front knuckle arm bearing lh	1	necessary	183.80	183.80
Front knuckle hub lh	1	warped	228.90	228.90
Sub- Total cost			4102.90	3622.90
Percentage discount :			25%	
			1025.73	905.73
Sub-Total costs for parts			3077.18	2717.18

Special Nett Items:

Front tyre lh - impacted	1	re-polish	180.00	0.00
Front rim lh	1	bent	450.00	450.00
Front bumper clip	1	necessary	50.00	50.00
Front fender inner shield clip lh	1	necessary	40.00	40.00
Front bumper lower lip lh	1	grazed	220.00	220.00
Sub-Total costs for parts			940.00	760.00

Parts Repair

*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			4017.18	3477.18

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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	14	\$ 630.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 500.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 30.00
Specialist charges - Wheel alignment	-	-	\$ 60.00
Remove and replace front undercarriage work lh	\$ 45.00	5	\$ 225.00
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	0.8	\$ 36.00
Total labour cost			\$ 1,481.00

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)		\$3,477.18
Labour Cost Calculation (See section B)		\$1,481.00
Total cost		\$4,958.18
Lump Sum		\$991.64
Further discount	20%	
Total Repair Cost		\$3,900.00

We would recommend a sum of \$3,900.00 and 4 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)

































