

Our reference: 21-8090

Date: 15/9/2021

c/o Garage 13 Pte Ltd
8 Kaki Bukit Ave 4
#03-46 Premier@KB
Singapore 415875

Dear Sirs

**RE: Road Traffic Accident on 31-08-2021
Kids Haven (Private) Limited**

In accordance with your instructions received in this office on **02-09-2021**, we made arrangements to examine the vehicle on **02-09-2021** at above-mentioned address. The following data was recorded:

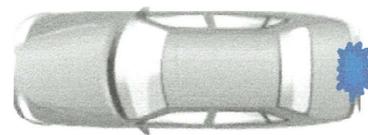
Vehicle details

Make	Nissan	Registration	GBK4061R
Model	NV350	Chassis	JN1MC2E26Z0032255
Colour	White	Gearbox	Manual
Odometer	*	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	195R15C	85% Michelin
Front right	195R15C	85% Michelin
Rear left	195R15C	85% Dunlop
Rear right	195R15C	85% Dunlop

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 \$9,744.53 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:

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Our reference 21-8090
Date 15/9/2021
Page 2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items :				
Tail gate - NK010M-3XBAA	1	crushed	2557.00	2557.00
Tail gate outer chrome garnish	1	refix	356.00	0.00
Tail gate damper @\$215.00	2	stiffended	430.00	430.00
Tail gate weatherstrip	1	abraded.nec	221.50	221.50
Tail gate logo	1	necessary	89.90	89.90
Tail gate emblem NV350	1	necessary	115.10	115.10
Tail gate inner lock	1	bent-in.jammed	385.40	385.40
Tail gate inner lock cover	1	cracked	45.00	45.00
Rear bumper c/w step garnish	1	crushed	722.00	722.00
Rear bumper inner step panel	1	bent	285.90	285.90
Rear bumper bracket @\$28.50	2	damaged	57.00	57.00
Rear end panel	1	bent	566.90	566.90
Rear fender lh	1	repair.respray	1984.00	0.00
Tail lamp @\$245.50	2	damaged	491.00	491.00
Rear floor panel aluminium trim	1	bent	255.00	255.00
Rear floor panel (rear portion)	1	repair	859.70	0.00
Sub- Total cost			9421.40	6221.70
<i>Percentage discount : 10%</i>			942.14	622.17
Sub-Total costs for parts			8479.26	5599.53
Special Nett Items:				
Reverse sensor	1	malfunction	250.00	250.00
Rear bumper clips @\$8.00	set	necessary	48.00	48.00
Rear bumper company advertisement sticker	1	necessary	350.00	350.00
Rear end panel sealant	1	necessary	40.00	40.00
Rear fender sticker lh	1	necessary	850.00	850.00
Tail gate windscreen sealant	1	necessary	50.00	50.00
Tail gate sticker 70km/h	1	necessary	20.00	20.00
Tail gate company advertisement	1	necessary	180.00	180.00
Sub-Total costs for parts			1788.00	1788.00
Parts Repair				
*			0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			10267.26	7387.53

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Date 15/9/2021

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	23	\$ 1,035.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 850.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 40.00
Remove and refix rear tailgate windscreen (2 man-job)	\$ 45.00	3.5	\$ 157.50
Transfer tailgate mechanism	\$ 45.00	2	\$ 90.00
Conduct water leak test for rear portion associated repair works	\$ 45.00	1.5	\$ 67.50
Remove and replace rear reverse sensor	\$ 45.00	1.8	\$ 81.00
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	0.8	\$ 36.00
Total labour cost			\$ 2,357.00

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.

Our reference 21-8090

Date 15/9/2021

Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$7,387.53
Labour Cost Calculation (See section B)		\$2,357.00
Total cost		\$9,744.53
Part-By-Part		\$0.00
<i>Further discount</i>	0%	
Total Repair Cost		\$9,744.53

We would recommend a sum of \$9,744.53 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)

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