

Our reference: 22 - 170630

Date: 09/05/2022

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

Dear Sirs

RE: Road Traffic Accident on 26-04-2022  
Siang Hock Car Rental Pte Ltd

In accordance with your instructions received in this office on 26-04-2022, we made arrangements to examine the vehicle on 26-04-2022 at above-mentioned address. The following data was recorded:

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**Vehicle details**

Make	Nissan	Registration	GBH7114T
Model	NV350	Chassis	JN1MC2E26Z0030471
Colour	White	Gearbox	Auto
Odometer	97221km	Paintwork	Fair
Steering	In order	Brakes	In order
Condition	Fair		

**Tyre Depths**

Front left	195R15L	85% Brawn Broi
Front right	195R15L	85% Saonilal
Rear left	195R15L	85% Grenlander
Rear right	195R15L	85% Greniander

**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 \$26,000.00 and 18 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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### Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
<b>List Items :</b>				
Front bumper	1	deformed.torn	651.80	651.80
Front bumper lower grille	1	torn	395.00	395.00
Front bumper fog lamp cover @\$120.00	2	refix	240.00	0.00
Front bumper reinforcement	1	bent	630.00	630.00
Front bumper reinforcement top bracket @\$123.00	2	bent	246.00	246.00
Front bumper side retainer @\$112.00	2	cracked	224.00	224.00
Front bumper bar	1	bent	182.50	182.50
Front radiator grille	1	broken	596.20	596.20
Front radiator grille chrome	1	broken	346.00	346.00
Front radiator grille logo	1	necessary	89.90	89.90
Front panel	1	crushed	1206.60	1206.60
Front panel inner	1	distorted	745.00	745.00
Front wiper motor	1	refix	310.00	0.00
Front wiper link	1	refix	201.00	0.00
Front wiper garnish	1	deformed	152.00	152.00
Front door @\$1218.00 - slightly bent	2	repair.respray	2436.00	0.00
Front door step garnish @\$144.00	2	fractured	288.00	288.00
Front corner panel @\$268.00	2	distorted	536.00	536.00
Headlamp @\$683.50	2	broken	1367.00	1367.00
Headlamp panel @\$146.80	2	bent	293.60	293.60
Air intake air duct	1	deformed	274.80	274.80
Dashboard	1	torn	968.50	968.50
Glove box assy	1	refix	235.90	0.00
Glove box outer garnish	1	deformed	239.00	239.00
Instrumental panel (centre)	1	deformed	286.40	286.40
Instrumental panel (driver)	1	deformed	288.76	288.76
Dashboard speedometer	1	fractured	550.00	550.00
Dashboard reinforcement	1	bent	548.50	548.50
Aircon blower motor assy	1	broken	1455.20	1455.20
Air con evaporator assy	1	broken	1286.20	1286.20

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Brake booster cyclinder	1	bent	1404.50	1404.50
Front windscreen	1	cracked	1126.90	1126.90
Front windscreen moulding	1	necessary	220.00	220.00
Tail gate	1	crushed	1905.00	1905.00
Tail gate striker	1	bent	45.00	45.00
Tail gate inner trim board	1	deformed	189.00	189.00
Tail gate inner lock cover (metal)	1	bent	87.00	87.00
Tail gate shock damper @\$190.50	2	stiffened	381.00	381.00
Tail gate hinge @\$51.60	2	refix	103.20	0.00
Tail gate outer chrome moulding	1	dented.cracked	488.50	488.50
Tail gate weatherstrip	1	deformed	185.40	185.40
Tail gate logo	1	necessary	89.90	89.90
Tail gate emblem NV350	1	necessary	101.30	101.30
Tail gate "urvan" plate	1	necessary	89.90	89.90
Tail gate inner rubber guide stopper @\$17.20	2	deformed	34.40	34.40
Tail gate lock	1	bent-in.damaged	266.40	266.40
Tail gate lock garnish	1	deformed	36.00	36.00
Tail gate remote control lock	1	bent.jammed	228.00	228.00
Tail gate windscreen seal	1	necessary	166.90	166.90
Rear bumper c/w step garnish	1	crushed	722.50	722.50
Rear step panel (reinforcement)	1	bent	207.00	207.00
Rear bumper bracket @\$38.00	2	deformed	76.00	76.00
Rear end panel (inner)	1	distorted	510.80	510.80
Rear end panel (outer)	1	distorted	355.00	355.00
Rear floor panel	1	repair.respray	1652.20	0.00
Rear floor panel end plate	1	bent	128.00	128.00
Tail lamp @\$275.50	2	broken.defaced	551.00	551.00
Tail lamp panel lh	1	distorted	325.20	325.20
Rear spare tyre regulator	1	serviceable	243.00	0.00
Rear spare tyre bracket	1	serviceable	102.00	0.00
Rear fender lh	1	buckled	1885.00	1885.00
Rear fender inner panel (vertical) lh	1	distorted	545.50	545.50
Rear fender splash shield lh	1	refix	85.00	0.00
Rear fender inner trim lh	1	deformed	178.00	178.00



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Rear sliding door lh	1	repair.respray	1355.70	0.00
Exhaust pipe	1	bent	771.90	771.90
Exhaust pipe mounting	2	necessary	86.20	86.20
<b>Sub- Total cost</b>			<b>34198.16</b>	<b>27234.16</b>
Percentage discount : 10%			3419.82	2723.42
<b>Sub-Total costs for parts</b>			<b>30778.34</b>	<b>24510.74</b>

**Special Nett Items:**

Front bumper clips	set	necessary	50.00	50.00
Front number plate	1	dented	40.00	40.00
Front windscreen sealant	1	necessary	60.00	60.00
Front panel sticker	1	necessary	80.00	80.00
Front panel inner (Seal)	1	necessary	40.00	40.00
Front radiator grille clips	set	necessary	20.00	20.00
Front door sticker Company rh/lh	2	necessary	60.00	60.00
Rear bumper clips	set	necessary	50.00	50.00
Rear number plate	1	dented	40.00	40.00
Reverse sensor	2	malfunction	250.00	250.00
Tail gate inner trim clips	set	necessary	30.00	30.00
Tail gate sticker 70km/h, 8 pax @\$15.00	2	necessary	30.00	30.00
Tail gate company sticker	1	necessary	280.00	280.00
Tail gate windscreen sealant	1	necessary	60.00	60.00
Rear end panel sealant	1	necessary	40.00	40.00
Rear fender company sticker rh/lh	2	necessary	400.00	400.00
<b>Sub-Total costs for parts</b>			<b>1530.00</b>	<b>1530.00</b>

**Parts Repair**

Front windscreen pillar rh/lh - dented	2	repair.respray	0.00	0.00
<b>Sub- Total costs</b>			<b>0.00</b>	<b>0.00</b>
<b>Total costs for parts</b>			<b>32308.34</b>	<b>26040.74</b>



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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	53	\$ 2,385.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 2,550.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 150.00
Remove and refix front windscreen (2 man-job)	\$ 45.00	3	\$ 135.00
Remove / replace aircon condenser and refill aircon gas	\$ 45.00	2.5	\$ 112.50
Transfer of existing front door mechanism to new door.	\$ 45.00	2	\$ 90.00
To remove and refix dashboard and internal wiring	\$ 45.00	8	\$ 360.00
To remove and refix air con blower and evaporator assy	\$ 45.00	6	\$ 270.00
Remove and refix tail gate windscreen (2 man-job)	\$ 45.00	3	\$ 135.00
Transfer tailgate mechanism	\$ 45.00	2	\$ 90.00
Conduct water leak test for front and rear portion associated repair works	\$ 45.00	1.8	\$ 81.00
Remove and replace rear reverse sensor	\$ 45.00	1.7	\$ 76.50
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1.8	\$ 81.00
<b>Total labour cost</b>			<b>\$ 6,516.00</b>

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
<b>Damaged Parts Assessment (See section A)</b>		<b>\$26,040.74</b>
<b>Labour Cost Calculation (See section B)</b>		<b>\$6,516.00</b>
<b>Total cost</b>		<b>\$32,556.74</b>
Lump sum repair		\$6,511.35
Further discount	20%	
<b>Total Repair Cost</b>		<b>\$26,000.00</b>

We would recommend a sum of \$26,000.00 and 18 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  
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