

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:

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
List Items :				
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
Sub- Total cost			34198.16	27234.16
Percentage discount : 10%			3419.82	2723.42
Sub-Total costs for parts			30778.34	24510.74

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
Sub-Total costs for parts			1530.00	1530.00

Parts Repair

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

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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
Total labour cost			\$ 6,516.00

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)		\$26,040.74
Labour Cost Calculation (See section B)		\$6,516.00
Total cost		\$32,556.74
Lump sum repair		\$6,511.35
Further discount	20%	
Total Repair Cost		\$26,000.00

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
Enterprise Singapore - Recognised Certification for Management Consultants
IMI Professional Certificate In Vehicle Accident Damage Assessment (UK)

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