

Our reference: 21-7850

Date: 20/6/2021

c/o RS Automotive Pte Ltd
3006 Ubi Road 1 #01-394
Kampong Ubi Industrial Estate
Singapore 408700

Dear Sirs

**RE: Road Traffic Accident on 9/6/2021
Mohamed Ukkas Maricar Bin Hussain**

In accordance with your instructions received in this office on **11/6/2021**, we made arrangements to examine the vehicle on **11/6/2021** at above-mentioned address. The following data was recorded:

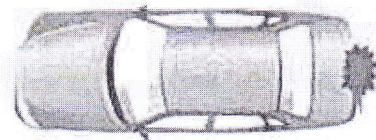
Vehicle details

Make	Toyota	Registration	SKB4960L
Model	Wish	Chassis	ZGE200067868
Colour	Blue	Gearbox	Auto
Odometer	153034km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	195/65R15	85% Triangle
Front right	195/65R15	85% Triangle
Rear left	195/65R15	85% Michelin
Rear right	195/65R15	85% Michelin

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 **\$10,000.00** 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.

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Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As Inspected	Repairer's Estimate	Our Adjustment
List Items:				
Tail gate	1	crushed	1198.76	1198.76 ✓ DT
Tail gate inner trim	1	deformed	215.60	215.60 ✓ BT
Tail gate inner lock	1	damaged.jammed	388.40	• 388.40 ✓ DIS
Tail gate weather strip	1	ripped.nec	280.60	280.60 ✓ nec
Tail gate logo	1	necessary	68.50	68.50 ✓ nec
Tail gate outer moulding	1	bent	245.80	• 245.80 ✓ BT
Tail gate windscreen glass	1	shattered	1455.60	1455.60 1070 burst
Tail gate windscreen moulding @\$77.50	4	necessary	155.00	• 155.00 ✓ nec
Tail gate wiper motor	1	malfunction	355.60	355.60 ✓
Tail gate wiper arm	1	bent	145.80	145.80 100 BT
Tail gate wiper blade	1	serviceable	105.00	0.00
Tail gate wiper arm cover	1	damaged	41.00	41.00 ✓ DIS
Tail gate damper @\$175.00	2	stiffened	350.00	350.00 X RW SVC
Tail gate spoiler	1	damaged	388.45	• 388.45 ✓ SCR
Tail gate reflector @\$235.00	2	lh cracked rh intact	470.00	235.00 ✓ CRA
Tail gate plate "valve metric"	1	necessary	91.40	91.40 50 NCC
Rear bumper	1	deformed	985.60	566.10 985.60
Rear bumper energy absorber @\$75.50	2	lh bent rh reuse	151.00	75.50 X N/A not applicable
Rear bumper side retainer @\$59.90 (long)	2	lh damaged rh reuse	119.80	59.90 ✓ BT
Rear bumper side retainer @\$38.50 (short)	2	lh damaged rh reuse	77.00	38.50 ✓ BT
Rear bumper reflector lh	1	cracked	75.20	• 75.20 ✓ CRA
Tail lamp @\$378.60	2	broken	757.20	757.20 ✓ CRA
Tail lamp panel @\$285.10	2	repair	570.20	0.00
Rear end panel	1	bent	498.78	498.78 ✓ DT
Rear end panel top garnish	1	deformed	265.60	265.60 ✓ DIS
Rear fender @\$1253.80	1	repair.respray	2507.60	0.00 R

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Rear fender air vent lh	1	broken	115.20	115.20 ✓ cut
Rear fender inner trim @\$585.50	2	broken	1171.00	1171.00 X R
Rear fender inner panel lh	1	bent	231.50	231.50 X R
Rear floor panel	1	repair	986.80	0.00 R
Rear exhaust pipe	1	bent	602.40	602.40 X R Local repair 5/10 @ 100p
Rear spare tyre holder	1	reuse	285.70	0.00
Sub- Total costs			15356.09	10491.89 7168.79
Percentage discount : 25%			3839.02	2622.97 1792.20
Sub-Total costs for parts			11517.07	7868.92 5376.60

Special Nett Items:

Rear bumper clips @\$5.00	8	necessary	40.00	40.00 ✓
Tail lamp clips @\$5.00	6	necessary	30.00	30.00 ✓
Rear end panel top garnish clips @\$5.00	2	necessary	10.00	10.00 ✓
Tail gate windscreen sealant	1	necessary	60.00	60.00 40
Reverse camera	1	check. Refix	350.00	0.00
Rear number plate	1	bent	50.00	40 50.00 BT
Tail gate keyless sensor	1	broken	220.00	220.00 X NA not applicable
Rear reverse sensor	1	malfunction	280.00	250.00 200
Rear end panel sealant	1	necessary	40.00	40.00 ✓
Rear floor panel insulation	1	necessary	60.00	60.00 ✓
Sub- Total costs			1140.00	760.00
exhaust 1 BT				100 ✓
				560

Parts Repair

*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			12657.07	8628.92 5936.60

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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	27	\$ 1,215.00	1,000
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,250.00	800
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 60.00	30
Wiring and bulb checking	\$ 45.00	1	\$ 45.00	30
Remove and replace tail gate windscreen glass (2-man job)	\$ 45.00	3.5	\$ 157.50	120
Remove and refix upholstery to facilitate repair	\$ 45.00	2	\$ 90.00	60
Transfer tail gate mechanism	\$ 45.00	2	\$ 90.00	
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	X
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	50
Remove and replace rear exhaust system	\$ 45.00	2	\$ 90.00	X
Remove and replace rear reverse camera & conduct distance safety setting	\$ 45.00	1.7	\$ 76.50	30
Total labour cost			\$ 3,195.50	2,170

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)		\$8,628.92
Further discount		\$1,725.78
	20%	
Recommended cost of parts replacement		\$6,903.13
Labour Cost Calculation (See section B)		\$3,195.50
Total Repair Cost (Round off to hundred)		\$10,000.00

LSR - 20/0
8056.6
- 20% 1611.32
6445.28
= 6400
(1) 5936.60
(2) 2120
(1) + (2) 8056.6

We would recommend a sum of \$10,000.00 6400 and 7 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
SPRING- Recognised Certification for Management Consultants

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