

Our reference: 21-8025

Date: 25/8/2021

c/o Assure Auto Assist Pte Ltd  
23 Tuas Avenue 18  
Singapore 638902

Dear Sirs

**RE: Road Traffic Accident on 12/8/2021  
Abdul Aleem Bin Abdul Wahab**

In accordance with your instructions received in this office on **13/8/2021**, we made arrangements to examine the vehicle on **13/8/2021** at above-mentioned address. The following data was recorded:

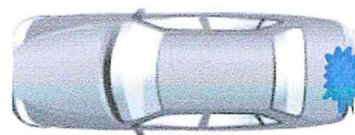
#### Vehicle details

<b>Make</b>	Toyota	<b>Registration</b>	SLA9752G
<b>Model</b>	Estima	<b>Chassis</b>	ACR500091863
<b>Colour</b>	Black	<b>Gearbox</b>	Auto
<b>Odometer</b>	139391km	<b>Paintwork</b>	Good
<b>Steering</b>	In order	<b>Brakes</b>	In order
<b>Condition</b>	Good		

#### Tyre Depths

Front left	215/55ZR17	85% Habilead
Front right	215/55ZR17	85% Habilead
Rear left	215/55ZR17	85% Habilead
Rear right	215/55ZR17	85% Habilead

#### Impact Direction & Area of Damage:



<b>Status</b>	REPAIRABLE
<b>Magnitude</b>	Medium
<b>Legal status</b>	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 **\$9,100.00** and **8** 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>					
Tail gate ✓	1	crushed	1753.60	1753.60	1585
Tail gate weather strip ✓	1	ripped.nec	285.40	285.40	✓
Tail gate logo ✓	1	necessay	66.78	66.78	✓
Tail gate emblem 'ESTIMA' ✓	1	necessay	42.35	42.35	✓
Tail gate emblem 'AERAS' ✓	1	necessay	46.13	46.13	✓
Tail gate outer garnish ✓	1	cracked	201.50	201.50	✓
Tail gate inner lock ✓	1	bent-in.jammed	412.70	412.70	✓
Tail gate inner trim ✓	1	holder broken	551.80	551.80	✓
Tail gate inner lock cover ✓	1	grazed	29.54	29.54	✓
Tail gate windscreen moulding ✓	1	necessay	188.76	188.76	120.7
Tail gate damper @\$290.90 X SVC	2	lh reuse rh stiffened	581.80	290.90	X
Tail gate reflector @\$382.70 ✓	2	holder damaged	765.40	765.40	473.4
Tail gate centre reflector ✓	1	damaged	233.00	233.00	✓
Tail gate outer handle X SVC	1	damaged	85.70	85.70	X
Rear bumper ✓	1	deformed	1339.43	1339.43	715.1
Rear bumper reflector lh ✓	1	holder broken	55.80	55.80	✓
Rear bumper side retainer @\$50.33 ✓	2	necessay.cracked	100.66	100.66	✓
Rear end panel ✓	1	crushed	755.40	755.40	✓
Rear end panel top garnish ✓	1	deformed	246.05	246.05	✓
Rear end panel top garnish lower ✓	1	deformed	165.06	165.06	✓
Rear fender inner trim @\$776.30 ✓	2	deformed	1552.60	1552.60	✓
Tail lamp @\$412.00 SVC	2	check.refix	824.00	0.00	
Rear floor panel X REPAIR	1	damaged	1125.80	1125.80	X
<b>Sub- Total costs</b>			11409.26	10294.36	7638.97
Percentage discount : 25%			2852.32	2573.59	
<b>Sub-Total costs for parts</b>			<b>8556.95</b>	<b>7720.77</b>	<b>5729.22</b>

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**Special Nett Items:**

Tail gate windscreen sealant ✓	1	necessary	50.00	50.00	✓
Rear number plate SVC	1	reuse	50.00	0.00	
Rear bumper clip @\$5.50 ✓	8	necessary	44.00	44.00	30
Rear end panel top garnish clip @\$5.50 ✓	2	necessary	11.00	11.00	✓
Rear reverse sensor ✓	1	malfunction	280.00	280.00	200
Reverse camera SVC	1	refix	480.00	0.00	
Rear end panel sealant ✓	1	necessary	40.00	40.00	✓
Rear floor panel seal X SVC	1	necessary	85.00	85.00	
Tail gate keyless sesnor ✓	1	broken	225.00	225.00	150
<b>Sub-Total costs for parts</b>			<b>1265.00</b>	<b>735.00</b>	<b>481</b>

**Parts Repair**

*	*	0.00	0.00
<b>Sub- Total costs</b>		<b>0.00</b>	<b>0.00</b>
<b>Total costs for parts</b>		<b>9821.95</b>	<b>8455.77</b>

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### Section B: Labour Cost Calculation

	Hourly rate	19	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	600
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 850.00	800
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00	✓
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3.5	\$ 157.50	120
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	40
Remove and refix rear reverse camera & conduct distance safety setting	\$ 45.00	1.7	\$ 76.50	40
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	×
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	2	\$ 90.00	60
Wiring and bulb checking	\$ 45.00	0.8	\$ 36.00	30
<b>Total labour cost</b>			<b>\$ 2,416.50</b>	<b>1740</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</b> (See section A)		<b>\$8,455.77</b>	
Further discount	20%	\$1,691.15	
Recommended cost of parts replacement		<b>\$6,764.62</b>	(1)
<b>Labour Cost Calculation</b> (See section B)		<b>\$2,416.50</b>	(2)
<b>Total Repair Cost</b> (Round off to hundred)		<b>\$9,100.00</b>	(1) + (2)

We would recommend a sum of **\$9,100.00** and **8** 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)

7950.22

-20%: 6350

5 Days

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