

Our reference: 21-7100

Date: 20/12/2020

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

Dear Sirs

**RE: Road Traffic Accident on 7/12/2020
Yeo Sher How**

In accordance with your instructions received in this office on **8/12/2020**, we made arrangements to examine the vehicle on **8/12/2020** at above-mentioned address. The following data was recorded:

Vehicle details

Make	Toyota	Registration	SLA3451P
Model	Estima	Chassis	ACR507126872
Colour	Blue	Gearbox	Auto
Odometer	71526km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	235/50R18	85% Michelin
Front right	235/50R18	85% Michelin
Rear left	235/50R18	85% Michelin
Rear right	235/50R18	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 **\$7,000.00** 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	bent	1552.40	1552.40 ✓
Tail gate weather strip ✓	1	ripped/nec	325.70	325.70 ✓
Tail gate logo ✓	1	necessay	66.78	66.78 ✓
Tail gate emblem 'ESTIMA' ✓	1	necessay	48.50	48.50 ✓
Tail gate emblem 'AERAS' ✓	1	necessay	47.00	47.00 ✓
Tail gate inner lock ✓	1	bent-in	385.20	385.20 ✓
Tail gate inner trim ✓	1	deformed	499.00	499.00 ✓
Tail gate inner outer garnish SVC	1	intact	312.40	0.00
Tail gate windscreen moulding ✓	4	necessay	185.70	185.70 ✓
Tail gate reflector @\$315.00 SVC	2	refix	630.00	0.00
Rear bumper ✓	1	deformed	1321.50	1321.50 ✓
Rear bumper reflector @\$75.00 SVC	2	refix	150.00	0.00
Rear bumper side retainer @\$78.33 (front) X SVC	2	necessay/damaged	156.66	156.66 X
Rear bumper side retainer @\$58.33 (rear) X SVC	2	necessay/damaged	116.66	116.66 X
Tail lamp @\$558.90 SVC	2	refix	1117.80	0.00
Rear end panel ✓	1	mutiple-dented/bent	698.20	698.20 ✓
Rear end panel top garnish ✓	1	deformed	277.40	277.40 ✓
Rear end panel top garnish lower ✓	1	deformed	185.80	185.80 ✓
Rear fender inner trim @\$625.80 X SVC	2	material yield/deformed	1251.60	1251.60 X
Rear floor panel	1	repair.	1150.00	0.00
Rear bumper sponge @\$95.00 ✓	2	damaged	190.00	190.00 ✓
Sub- Total cost			10668.30	7308.10 5783.18
Percentage discount : 25%			2667.08	1827.03
Sub-Total costs for parts			8001.23	5481.08 4337.38

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Special Nett Items:

Rear reverse sensor ✓	set	malfunction	250.00	250.00	200
Rear end panel top garnish clips ✓	3	necessary	15.00	15.00	✓
Tail gate keyless sensor X SVC	1	damaged	250.00	250.00	X
Tail gate keyless buzzer ✓	1	damaged	120.00	120.00	✓
Tail gate windscreen sealant ✓	1	necessary	60.00	60.00	✓
Rear end panel sealant ✓	1	necessary	50.00	50.00	✓
Rear bumper clip ✓	set	necessary	50.00	50.00	30
Sub-Total costs for parts			795.00	795.00	475

Parts Repair

*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			8796.23	6276.08

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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	23	600 \$ 1,035.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		800 \$ 900.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ ✓ 80.00
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3.5	120 \$ 157.50
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	40 \$ 76.50
Transfer tailgate mechanism	\$ 45.00	1.7	60 \$ 76.50
Specialist charges - Dignostic fault code / reset			\$ ✗ 100.00
Conduct water leak test for rear portion associated repair works	\$ 45.00	1.5	\$ ✗ 67.50
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	0.8	30 \$ 36.00
Total labour cost			\$ 2,529.00

Manhour rate and the number of manhours required for each repairing task are formulated based on individual workshop's 1730 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)		\$6,276.08
Labour Cost Calculation (See section B)		\$2,529.00
Total cost		\$8,805.08
Lump sum repair		\$1,761.02
Further discount	20%	
Total Repair Cost		\$7,000.00

6542.38

-20%: 5200

5 Days

We would recommend a sum of **\$7,000.00** 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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