

Impact Analysis Consulting Pte Ltd

Practicing Management Consultant (PMC) of SBACC
Approved Training Organisation (ATO) of Workforce Singapore

No.25 Kaki Bukit Road 4
#06-46 Synergy @KB
Singapore 417800
Hotline: 6385 1171

Our reference: 22 - 170563

Date: 18/04/2022

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

Dear Sirs

RE: Road Traffic Accident on 01-04-2022
JL Automotive Solution

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

Vehicle details

Make	Honda	Registration	SLD2632A
Model	Vezel	Chassis	RU11117897
Colour	White	Gearbox	Auto
Odometer	385144km	Paintwork	Fair
Steering	In order	Brakes	In order
Condition	Fair		

Tyre Depths

Front left	225/50ZR18	85% Tourador
Front right	225/50ZR18	85% Tourador
Rear left	225/50ZR18	85% Tourador
Rear right	225/50ZR18	85% Tourador

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 \$13,000.00 and 12 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
<u>List Items :</u>				
Tail gate	1	crushed	1198.50	1198.50 <i>997</i>
Tail gate windscreen glass	1	shattered	1025.00	1025.00 <i>/</i>
Tail gate wiper arm	1	bent	165.12	165.12 <i>X nn</i>
Tail gate wiper blade	1	refix	122.00	0.00 <i>X nn</i>
Tail gate wiper arm cover	1	refix	12.50	0.00 <i>X nn</i>
Tail gate wiper motor	1	bent.malfunction	268.00	268.00 <i>X nn</i>
Tail gate logo	1	necessary	45.00	45.00 <i>/</i>
Tail gate outer garnish	1	broken	265.70	265.70 <i>/</i>
Tail gate shock absorber @\$199.00	2	stiffened	398.00	398.00 <i>X nn</i>
Tail gate reflector @\$335.00	2	cracked	670.00	670.00 <i>/</i>
Tail gate lock	1	bent.jammed	321.00	321.00 <i>270</i>
Tail gate lock catch	1	bent	45.80	45.80 <i>X nn</i>
Tail gate inner trim board	1	deformed	395.10	395.10 <i>/</i>
Tail gate inner trim side @\$128.00	2	holder fractured	256.00	256.00 <i>X nn</i>
Tail gate inner board pocket handle	1	missing	45.00	45.00 <i>X nn</i>
Tail gate opener switch assy	1	deformed.malfunction	188.80	188.80 <i>X nn</i>
Rear number plate licensed lamp	set	refix	91.00	0.00 <i>X nn</i>
Tail gate windscreen seal	1	necessary	85.00	85.00 <i>/</i>
Tail gate weatherstrip	1	deformed	298.00	298.00 <i>X nn</i>
Rear bumper	1	deformed	896.50	896.50 <i>/</i>
Rear bumper side retainer @\$49.00	2	cracked.deformed	98.00	98.00 <i>/</i>
Rear bumper reflector @\$121.00	2	rh fractured lh refix	242.00	121.00 <i>/</i>
Rear bumper side @\$215.50	2	deformed.torn	431.00	431.00 <i>X nn</i>
Rear end panel	1	distorted	544.80	544.80 <i>/</i>
Rear end panel top garnish	1	deformed	252.00	252.00 <i>/</i>
Tail lamp @\$485.00	2	cracked	970.00	970.00 <i>X nn</i>
Rear fender arch garnish @\$166.00	2	holder torn	332.00	332.00 <i>/</i>
Rear floor panel	1	crumpled	1025.40	1025.40 <i>X R</i>

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Rear floor panel top cover	1	crumpled	269.90	269.90	X nn
Rear floor panel sponge tool organiser	1	torn.compressed	311.00	311.00	/
Rear floor panel under cover	1	deformed.torn	241.50	241.50	/
Rear exhaust silencer	1	bent	598.40	598.40	X nn
Sub- Total cost			12108.02	11761.52	
Percentage discount : 20%			2421.60	2352.30	
Sub-Total costs for parts			9686.42	9409.22	

Special Nett Items:

Reverse sensor	1	dented.malfunction	250.00	250.00	200/
Tail gate windscreen sealant	1	necessary	60.00	60.00	40/
Rear number plate with holder	1	grazed.dented	50.00	50.00	45/
Rear bumper clips	set	necessary	50.00	50.00	30/
Rear end panel top garnish clips	set	necessary	15.00	15.00	/
Rear end panel sealant	1	necessary	40.00	40.00	30/
Rear reverse camera	1	fractured.malfunction	350.00	350.00	X nn
Rear camera	1	malfunction	400.00	400.00	X nn
Tail gate top spoiler carbon fiber wrap	1	grazed.deformed	250.00	250.00	X nn
Tail gate top spoiler side (carbon fiber)	set	cracked.deformed	550.00	550.00	X nn
Tailgate inner trim board clips	set	necessary	40.00	40.00	20/
Rear floor panel sealant	1	necessary	60.00	60.00	X nn
Tail gate antenna sensor	1	malfunction	128.00	128.00	X nn
Tail gate remote buzzer	1	malfunction	95.50	95.50	X nn
Exhaust pipe end pipe and carbon fiber tip	1	cracked.bent	234.00	234.00	200/
Sub-Total costs for parts			2572.50	2572.50	

Parts Repair

Rear fender rh/lh - slightly dented	2	repair.respray	0.00	0.00	X R
Rear floor panel side extension rh/lh - bent	2	repair.respray	0.00	0.00	X R
Sub- Total costs			0.00	0.00	
Total costs for parts			12258.92	11981.72	

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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	36	\$ 1,620.00	1000
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,400.00	1000
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 90.00	30
Remove and refix tail gate windscreen (2 man-job)	\$ 45.00	3	\$ 135.00	120
Transfer tailgate mechanism	\$ 45.00	2	\$ 90.00	50
Remove and refix upholstery and cushion seat to facilitate repair of rear floor panel & rear fender rh/lh	\$ 45.00	3	\$ 135.00	80
Specialist charges - Check/Diagnostic and reprogramming	-	-	\$ 200.00	30
Specialist charges - Conduct rear chassis alignment	-	-	\$ 250.00	X
Remove and replace rear exhaust system	\$ 45.00	2	\$ 90.00	50
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	30
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.6	\$ 72.00	30
Remove and replace rear camera	\$ 45.00	2	\$ 90.00	30
Remove and refix rear reverse camera & conduct distance safety setting	\$ 45.00	1.7	\$ 76.50	30
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1	\$ 45.00	X
Total labour cost			\$ 4,338.50	

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.

8 days

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Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$11,981.72
Labour Cost Calculation (See section B)		\$4,338.50
Total cost		\$16,320.22
Lump sum repair		\$3,264.04
Further discount	20%	
Total Repair Cost		\$13,000.00

We would recommend a sum of \$13,000.00 and 12 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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