

Our reference: 22 - 170861

Date: 11/7/2022

c/o ECO Automobile Claims & Repair Pte Ltd
13 Kaki Bukit Rd 4
#03-29 Bartley Biz Centre
Singapore 417807

Dear Sirs

RE: Road Traffic Accident on 23-06-2022
United Auto Leasing Pte Ltd

In accordance with your instructions received in this office on 27-06-2022, we made arrangements to examine the vehicle on 27-06-2022 at above-mentioned address. The following data was recorded:

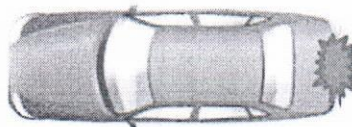
Vehicle details

Make	KIA	Registration	SML4089B
Model	CERATO 1.6(A) LX	Chassis	KNAF1416MK5036947
Colour	Black	Gearbox	Auto
Odometer	133156km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	195/65R15	85% Firenza
Front right	195/65R15	85% Firenza
Rear left	195/65R15	85% Firenza
Rear right	195/65R15	85% Firenza

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 \$9,300.00 and 10 working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

Subsidiaries of Impact Analysis:

• Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd
www.iaconsulting.sg.com

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Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As Inspected	Repairer's Estimate	Our Adjustment
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List Items :

Rear Bumper	1	crushed	688.00	688.00 R
Rear bumper retainer @\$68.60	2	deformed.nec	137.20	137.20 HH
Rear bumper lower lip	1	deformed.torn	389.20	389.20 ✓
Rear bumper side signal lamp @\$261.20	2	rh cracked lh refix	522.40	261.20 ✓ 4/3 HH
Rear bumper side signal garnish @\$121.00	2	grazed.deformed	242.00	242.00 HH
Rear bumper reinforcement	1	bent.broken	418.00	418.00 ✓
Rear bumper reinforcement stay bracket @\$78.00	2	bent	156.00	156.00 HH
Rear bumper reinforcement upper bracket @\$25.00	2	bent	50.00	50.00 HH
Boot lid	1	buckled	1280.00	1280.00 R
Boot lid lock	1	bent.jammed	187.60	187.60 ✓
Boot lid lock striker	1	bent	36.00	36.00 ✓
Bootlid hinge @\$87.80	2	bent	175.60	175.60 HH
Boot lid inner trim	1	refix	181.50	0.00 HH
Boot id lamp center	1	holder broken	639.00	639.00 HH
Boot lid lamp @\$529.30	2	dented.holder broken	1058.60	1058.60 ✓
Boot lid emblem "CERATO"	1	necessary	48.50	48.50 HH
Boot lid emblem "KIA" logo	1	necessary	65.00	65.00 HH
Boot lid emblem "C&C"	1	necessary	25.00	25.00 HH
Boot lid weatherstrip	1	deformed	198.00	198.00 ✓
Tail lamp @\$595.30	2	holder fractured	1190.60	1190.60 ✓
Tail lamp panel @\$121.50	2	repair.respray	243.00	0.00 NH
Rear end panel	1	distorted	625.00	625.00 R
Rear end panel garnish	1	deformed	138.00	138.00 HH
Rear floor panel	1	repair.respray	596.00	0.00 R
Rear floor panel top cover	1	deformed	291.50	291.50 HH
Rear fender inner trim @\$238.00	2	torn	476.00	476.00 HH
Sub- Total cost			10057.70	8776.00
Percentage discount : 10%			1005.77	877.60
Sub-Total costs for parts			9051.93	7898.40

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3802.20
3739.20
3,365.20

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

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Special Nett Items:

Rear bumper clip	set	necessary	50.00	50.00	30/-
Rear end panel sealant	1	necessary	60.00	60.00	44
Boot lid inner trim clip	set	necessary	40.00	40.00	44
Reverse camera	1	refix	450.00	0.00	44
Revesre sensor	1	dented.malfunction	250.00	250.00	220/-
Rear number plate with holder	1	bent	50.00	50.00	44
Rear fender inner trim clip	2 sets	necessary	80.00	80.00	44
Sub-Total costs for parts			980.00	530.00	

Parts Repair

Rear fender rh/lh - dented	2	repair.respray	0.00	0.00	44
Sub- Total costs			0.00	0.00	
Total costs for parts			10031.93	8428.40	

250/- =

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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. <i>31.25/hr x 28</i>	\$ 45.00	28	\$ 1,260.00	800/-
Putty & Spray painting to adjacent panels. Job allowance. Paint / material. <i>3 panel x 250.w</i>	Sub-contract work.		\$ 1,350.00	750/-
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 60.00	40/-
Remove and refix upholstery and cushion seat to facilitate repair	\$ 45.00	2	\$ 90.00	✓
Transfer boot lid mechanism	\$ 45.00	1.7	\$ 76.50	44
Conduct water leak test for rear portion associated repair works	\$ 45.00	1.5	\$ 67.50	44
Specialist charges - Check/Diagnostic and reprogramming	-	-	\$ 200.00	44
Remove and replace rear reverse sensor	\$ 45.00	1.6	\$ 72.00	40/-
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1	\$ 45.00	30/-
Total labour cost			\$ 3,221.00	

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)		\$8,428.40
Labour Cost Calculation (See section B)		\$3,221.00
Total cost		\$11,649.40
Lump Sum Repair		\$2,329.88
Further discount	20%	
Total Repair Cost		\$9,300.00

We would recommend a sum of \$9,300.00 and 10 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)

5365-28
45 4,300/-
5 days
liberty after repair photos
found parts not changed.
These are indicated as
WH.

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