

Our reference: 22 - 170887

Date: 13/07/2022

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 29-06-2022
United Auto Leasing Pte Ltd**

In accordance with your instructions received in this office on **29-06-2022**, we made arrangements to examine the vehicle on **29-06-2022** at above-mentioned address. The following data was recorded:

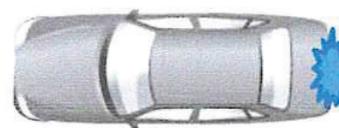
Vehicle details

Make	Hyundai	Registration	SJQ9279X
Model	HD AVANTE 1.6A	Chassis	KMHDU41BR9U761093
Colour	Maroon	Gearbox	Auto
Odometer	169364km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	205/55R16	85% Roadstone
Front right	205/55R16	85% Roadstone
Rear left	205/55R16	85% Roadstone
Rear right	205/55R16	85% Roadstone

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 **\$10,400.00** and **14** working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

Our reference: 22 - 170887
Date 13/07/2022
Page 2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items :				
Boot lid	1	crushed	917.10	917.10
Boot lid top lock	1	bent.jammed	145.50	145.50
Boot lid lock lower catch	1	bent	66.00	66.00
Boot lid key lock	1	jammed	99.80	99.80
Boot lid logo	1	necessary	32.20	32.20
Boot lid emblem 'AVANTE'	1	necessary	33.60	33.60
Boot lid emblem 'S'	1	necessary	20.00	20.00
Boot lid outer garnish	1	deformed.holder broken	247.60	247.60 163.50
Boot lid inner trim	1	deformed	297.80	297.80 265
Rear number plate lamp @\$35.20	2	cracked	70.40	70.40
Boot lid hinge @\$101.20	2	bent	202.40	202.40
Boot lid reflector @\$247.60 \$217.40	2	broken.grazed	495.20	495.20 434.80
Boot lid weather strip	1	deformed	142.50	142.50
Rear bumper	1	crushed	625.40	625.40 558.30
Rear bumper side retainer @\$36.90	2	broken.nec	73.80	73.80
Rear bumper sponge	1	torn	168.30	168.30 108
Rear bumper reinforcement	1	crushed	345.10	345.10 305
Rear bumper reinforcement energy absorber @\$112.00	2	bent	224.00	224.00
Rear bumper reinforcement bracket upper @\$22.50	2	broken	45.00	45.00
Rear bumper reinforcement bracket lower @\$24.10	3	broken	72.30	72.30
Tail lamp @\$354.20 \$261.80	2	splitting.holder broken	708.40	708.40 523.60
Tail lamp panel @\$215.80 @\$175	2	distorted	431.60	LhxR 431.60 Rh bt ✓ 175
Rear end panel	1	crushed	556.20	556.20 485.10
Rear end panel top garnish	1	deformed	152.40	152.40
Rear floor panel	1	crumpled	863.00	863.00
Rear floor panel board	1	reuse	241.20	0.00 xnn
Rear floor panel sponge tool holder	1	compressed.torn	189.80	189.80
Rear exhaust pipe - bent * refer to labour cost	1	rebuilt	698.70	0.00 xR
Rear fender @\$963.40	2	rh buckled/torn lh repair	1926.80	963.40 xR

Our reference: 22 - 170887

Date 13/07/2022

Rear fender air vent lh	1	refix	38.90	0.00	xnn	
Rear fender inner trim @\$235.60 \$163.60	2	deformed.torn	471.20	LhXnn 471.20	Rh de ✓	\$163.60
Rear windscreen glass moulding	1	necessary	174.50	174.50	xnn	
Rear fender lower splashshield rh	1	refix	65.00	0.00	xnn	
Sub- Total cost			10841.70	8834.50		6528.70
Percentage discount : 20%			2168.34	1766.90		5222.96
Sub-Total costs for parts			8673.36	7067.60		

Special Nett Items:

Rear bumper clip	set	necessary	55.00	55.00	30	
Rear end panel sealant	1	necessary	40.00	40.00		
Rear floor panel sealant	1	necessary	50.00	50.00		
Rear windscreen sealant	1	necessary	100.00	100.00	xnn	
Rear fender quarter glass sealant rh	1	necessary	30.00	30.00	xnn	
Reverse sensor	1	dented.malfunction	250.00	250.00	200	
Rear number plate with casing	1	bent	70.00	70.00	45	
Rear floor panel insulation	1	necessary	120.00	120.00	100	
Rear wheel house insulation	1	necessary	60.00	60.00	xnn	
Reverse camera	1	grazed.malfunction	350.00	350.00	280	
Boot lid inner trim clip	set	necessary	40.00	40.00	20	
Rear fender inner trim clip rh/lh	set	necessary	80.00	80.00	40	
Sub-Total costs for parts			1245.00	1245.00		805

Parts Repair

Rear wheel house rh - bent	1	repair.respray	0.00	0.00	xR	
Sub- Total costs			0.00	0.00		
Total costs for parts			9918.36	8312.60		

Our reference: 22 - 170887

Date 13/07/2022

Page 3

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	45	\$ 2,025.00	1400
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,600.00	1300
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 100.00	
Remove and refix rear windscreen (2 man-job)	\$ 45.00	3.5	\$ 157.50	Xnn
Remove and refix upholstery and cushion seat to facilitate repair of rear floor panel & rear rh/lh fender etc	\$ 45.00	3	\$ 135.00	100
Remove and refix rear fender quarter glass rh	\$ 45.00	1	\$ 45.00	Xnn
Transfer boot lid mechanism	\$ 45.00	1.7	\$ 76.50	60
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	Xnn
Rebuild rear exhaust pipe	\$ 45.00	3	\$ 135.00	100
Remove and replace rear reverse camera & conduct distance safety setting	\$ 45.00	1.7	\$ 76.50	30
Specialist charges - Conduct rear chassis alignment	-	-	\$ 250.00	200
Remove and replace rear reverse sensor	\$ 45.00	1.6	\$ 72.00	30
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1	\$ 45.00	30
Total labour cost			\$ 4,762.50	3350

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.

9377.96
l/s\$7500
10 days #

Our reference: 22 - 170887

Date 13/07/2022

Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$8,312.60
Labour Cost Calculation (See section B)		\$4,762.50
Total cost		\$13,075.10
Lump Sum Repair		\$2,615.02
Further discount	20%	
Total Repair Cost		\$10,400.00

We would recommend a sum of \$10,400.00 and 14 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)

Subsidiaries of Impact Analysis:

• Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd
www.iaconsultingsg.com