

Our reference 22-171031

Date 24/11/2022

Page 2

**Section A: Damaged Parts Assessment**

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
<b>List Items :</b>				
Bonnet	1	buckled	1365.00	1365.00 BrC
Bonnet lock catch bottom	2	bent	49.75	49.75 Dent
Bonnet lock center top	1	bent	35.78	35.78 Dent
Bonnet lock bottom bracket @\$58.60	2	bent	117.20	117.20 Dent
Bonnet hinge @\$98.45	2	bent	196.90	196.90 Dent
Bonnet rubber	1	deformed	112.00	112.00 ? XUV
Bonnet insulation	1	crumpled	210.00	210.00 ? XUV
Front bumper (M sport)	1	crushed	1800.00	1800.00 Br
Front bumper lower spoiler (M sport)	1	refix	1600.00	0.00 x Nil
Front bumper tow cover	1	deformed	36.15	36.15 Br
Front bumper logo	1	necessary	109.00	109.00 Nil
Front bumper side retainer @\$66.80	2	cracked.nec	133.60	133.60 Br
Front bumper under cover @\$132.50	2	refix	265.00	0.00 ?
Front bumper sponge	1	crushed	65.00	65.00 ? } XUV
Front bumper reinforcement	1	bent	418.00	418.00 ?
Front bumper reinforcement bracket @\$108.00	2	bent	216.00	216.00 ?
Front bumper lower grille centre	1	deformed	136.00	136.00 Cr
Front bumper lower beam	1	refix	113.00	0.00 ? XUV
Front bumper lower beam bracket @\$98.00	2	refix	196.00	0.00 ? XUV
Front bumper fog lamp @\$275.00	2	check	550.00	550.00 ? X
Front bumper fog lamp outer garnish @\$98.00	2	deformed	196.00	196.00 Br
Front bumper parking sensor @\$275.00	4	2 pcs malfunction	1100.00	550.00 Nil / Faulty
Headlamp @\$2330.00	2	broken	4660.00	4660.00 Br
Headlamp bracket lower @\$165.00	2	broken	330.00	330.00 Br
Headlamp nozzle @\$178.00	2	check	178.00	178.00 ? X
Headlamp nozzle cover @\$65.00	2	refix	130.00	0.00 ? XUV
Headlamp top panel @\$185.00	2	bent	370.00	370.00 ? X
Centre grille @\$225.00 (M sport)	2	broken	450.00	450.00 Br

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Our reference 22-171031

Date 24/11/2022

Front radiator air flow housing lower	1	check	205.46	205.46	? XNW
Front radiator air flow housing upper	1	crushed	266.80	266.80	Br
Front support panel	1	distorted	613.87	613.87	?
Front support panel V- bracket	2	bent	185.40	185.40	? } XNW
Air resonator	1	deformed	722.00	722.00	? } XNW
Turbo cooler	1	dented	688.00	688.00	? } XNW
Aircon condenser	1	bent	1658.70	1658.70	Den+
Radiator	1	bent	1552.00	1552.00	Den+
Radiator fan assy	1	check	489.00	489.00	? XNW
Front fender @\$751.80	2	buckled	1503.60	1503.60	Den+
Front fender emblem "LUXURY" @\$58.40	2	necessary	116.80	116.80	MEC
Front fender inner shield (front) @\$162.40	2	refix	324.80	0.00	? XNW
Bootlid	1	crushed	1285.00	1285.00	Den+
Bootlid hinge @\$103.00	2	bent	206.00	206.00	? XNW
Bootlid reflector @\$321.00	2	broken	642.00	642.00	Br
Bootlid logo	1	broken	69.75	69.75	MEC
Bootlid lock	1	bent-in	299.74	299.74	?
Bootlid striker	1	refix	68.00	0.00	? } XNW
Bootlid weatherstrip	1	deformed.torn	158.00	158.00	? } XNW
Bootlid number plate lamp @\$35.00	2	refix	70.00	0.00	? } XNW
Rear bumper (M sport)	1	deformed/torn	1750.00	1750.00	Br
Rear bumper spoiler (M sport)	1	check	1500.00	1500.00	?
Rear bumper side retainer @\$73.00	2	deformed.nec	146.00	146.00	? } XNW
Rear bumper reinforcement	1	bent	558.90	558.90	? } XNW
Rear bumper reinforcement cover	1	deformed	211.00	211.00	? } XNW
Rear bumper inner center bracket (plastic)	1	cracked	188.40	188.40	? } XNW
Rear bumper tow cover	1	deformed	53.00	53.00	Br
Rear bumper sensor @\$312.00	4	malfuction	1248.00	1248.00	MEC / Faulty
Rear bumper sensor holder @\$22.20	4	necessary	88.80	88.80	? XNW
Rear bumper reverse sensor wire harness	1	check	410.00	410.00	? XNW
Rear bumper reflector @\$45.00	2	broken	90.00	90.00	Br
Rear bumper under tray	1	refix	380.00	0.00	? XNW
Tail lamp @\$421.00	2	crushed	842.00	842.00	Br

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Date 24/11/2022

Tail lamp lower bracket (plastic) @\$49.00	2	broken	98.00	98.00	? XNN
Tail lamp panel @\$253.20	2	distorted	506.40	506.40	? XNN
Rear end panel	1	bent	645.00	645.00	Dent +
Rear end panel top garnish	1	deformed	196.40	196.40	? XNN
Rear fender @\$1521.00	2	buckled	3042.00	3042.00	Dent
Rear fender inner trim @\$421.00	2	crumpled	842.00	842.00	?
Rear well panel	1	check	1550.00	1550.00	?
Rear well panel side @\$275.00	2	check	550.00	550.00	?
Rear floor spare tyre panel under holder	1	refix	110.00	0.00	? } XNN
Rear silencer box	1	rebuild	1250.00	0.00	? } XNN
Rear silencer box insulator	1	refix	133.00	0.00	? } XNN
Rear windscreen glass	1	shattered	980.00	980.00	Br / Cra
Roof top radio antenna	1	distorted	288.50	288.50	? XNN
<b>Sub- Total cost</b>			<b>43920.70</b>	<b>38730.90</b>	
<b>Percentage discount : 5%</b>			<b>2196.04</b>	<b>1936.55</b>	
<b>Sub-Total costs for parts</b>			<b>41724.67</b>	<b>36794.36</b>	

**Special Nett Items:**

Front bumper clips	set	necessary	55.00	55.00	NEC
Front fender inner shield clips rh/lh	2 sets	necessary	60.00	60.00	NEC
Bonnet insulation clips	set	necessary	40.00	40.00	NEC
Front number plate with holder	1	broken	60.00	60.00	Br
Rear bumper clips	set	necessary	55.00	55.00	NEC
Rear fender inner side trim clips rh/lh	2 sets	necessary	60.00	60.00	NEC
Bootlid inner trim clips	set	necessary	40.00	40.00	NEC
Rear end panel sealant	1	necessary	40.00	40.00	/
Rear windscreen glass sealant	1	necessary	60.00	60.00	/
Rear number plate with holder	1	deformed	60.00	60.00	/
<b>Sub-Total costs for parts</b>			<b>530.00</b>	<b>530.00</b>	

**Parts Repair**

Roof top panel - slightly dented	1	repair.respray	0.00	0.00	/
<b>Sub- Total costs</b>			<b>0.00</b>	<b>0.00</b>	
<b>Total costs for parts</b>			<b>42254.67</b>	<b>37324.36</b>	

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Our reference 22-171031

Date 24/11/2022

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	58	\$ 2,610.00	1800
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 2,000.00	1800
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 100.00	✓
Remove / replace aircon condenser and refill aircon gas	\$ 45.00	2.5	\$ 112.50	80
Remove and replace front parking sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	50
Remove and refix rear windscreen (2 man-job)	\$ 45.00	3.5	\$ 157.50	80
Remove and refix upholstery and cushion seat to facilitate repair	\$ 45.00	3	\$ 135.00	60
Transfer of existing boot lid to new boot lid and refit the same	\$ 45.00	2	\$ 90.00	60
Remove and replace rear exhaust system	\$ 45.00	2.5	\$ 112.50	50
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	✓
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	30
Specialist charges - Check/Diagnostic and reprogramming	-	-	\$ 200.00	7NH
Specialist charges - Conduct chassis alignment	-	-	\$ 250.00	✓
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1.5	\$ 67.50	30
			<b>Total labour cost</b>	
			\$ 6,033.00	

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 (See section A)</b>		<b>\$37,324.36</b>
<b>Labour Cost Calculation (See section B)</b>		<b>\$6,033.00</b>
<b>Total cost</b>		<b>\$43,357.36</b>
<b>Further discount</b>	<b>20%</b>	<b>\$8,671.47</b>
<b>Total Repair Cost</b>		<b>\$34,600.00</b>

#### Summary

Repair cost=	<b>\$34,600.00</b>	
Estimated market value=	<b>\$28,000.00</b>	
Total rebate amt =	<b>\$17,276.00</b>	(from Parf/COE rebate)
Economical repair limit =	<b>\$10,724.00</b>	

We are of the opinion that the vehicle would not be economically repaired and recommend it be written off, as a total loss.

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 Damaae Assessment (IJK)

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