

Our reference 21-7850

Date 20/6/2021

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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	crushed	1198.76	1198.76 ✓ DT
Tail gate inner trim	1	deformed	215.60	215.60 ✓ BT
Tail gate inner lock	1	damaged.jammed	388.40	• 388.40 ✓ DIS
Tail gate weather strip	1	ripped.nec	280.60	280.60 ✓ nec
Tail gate logo	1	necessary	68.50	68.50 ✓ nec
Tail gate outer moulding	1	bent	245.80	• 245.80 ✓ BT
Tail gate windscreen glass	1	shattered	1455.60	1455.60 1070 burst
Tail gate windscreen moulding @\$77.50	4	necessary	155.00	• 155.00 ✓ nec
Tail gate wiper motor	1	malfunction	355.60	355.60 ✓
Tail gate wiper arm	1	bent	145.80	145.80 loc bt
Tail gate wiper blade	1	serviceable	105.00	0.00
Tail gate wiper arm cover	1	damaged	41.00	41.00 ✓ DIS
Tail gate damper @\$175.00	2	stiffened	350.00	350.00 X RW SVC
→ Tail gate spoiler	1	damaged	388.45	• 388.45 ✓ CRA X SVC
Tail gate reflector @\$235.00	2	lh cracked rh intact	470.00	235.00 ✓ CRA
Tail gate plate "valve metric"	1	necessary	91.40	91.40 50 NIC
Rear bumper	1	deformed	985.60	566.10 985.60
Rear bumper energy absorber @\$75.50	2	lh bent rh reuse	151.00	75.50 X N/A not applicable
Rear bumper side retainer @\$59.90 (long)	2	lh damaged rh reuse	119.80	59.90 ✓ BT
Rear bumper side retainer @\$38.50 (short)	2	lh damaged rh reuse	77.00	38.50 ✓ BT
Rear bumper reflector lh	1	cracked	75.20	• 75.20 ✓ CRA
Tail lamp @\$378.60	2	broken	757.20	757.20 ✓ CRA
Tail lamp panel @\$285.10	2	repair	570.20	0.00
Rear end panel	1	bent	498.78	498.78 ✓ DT
Rear end panel top garnish	1	deformed	265.60	265.60 ✓ DIS
Rear fender @\$1253.80	1	repair.respray	2507.60	0.00 R

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Rear fender air vent lh	1	broken	115.20	115.20	cut
Rear fender inner trim @\$585.50	2	broken	1171.00	1171.00	RA-NN 585.50
Rear fender inner panel lh	1	bent	231.50	231.50	X R
Rear floor panel	1	repair	986.80	0.00	R
Rear exhaust pipe	1	bent	602.40	602.40	X R local repair
Rear spare tyre holder	1	reuse	285.70	0.00	51N \$100
Sub- Total costs			15356.09	10491.89	4168.79 7365.84
Percentage discount : 25%			3839.02	2622.97	1792.20 1841.45
Sub-Total costs for parts			11517.07	7868.92	5376.60 5524.39

Special Nett Items:

Rear bumper clips @\$5.00	8	necessary	40.00	40.00	/
Tail lamp clips @\$5.00	6	necessary	30.00	30.00	/
Rear end panel top garnish clips @\$5.00	2	necessary	10.00	10.00	/
Tail gate windscreen sealant	1	necessary	60.00	60.00	40
Reverse camera	1	check. Refix	350.00	0.00	
Rear number plate	1	bent	50.00	50.00	BT
Tail gate keyless sensor	1	broken	220.00	220.00	X NA not applicable
Rear reverse sensor	1	malfunction	280.00	250.00	260
Rear end panel sealant	1	necessary	40.00	40.00	/
Rear floor panel insulation	1	necessary	60.00	60.00	/
Sub- Total costs			1140.00	760.00	
exhaust	1	BT		100	/
				560	

Parts Repair

*	*	*	0.00	0.00	
Sub- Total costs			0.00	0.00	
Total costs for parts			12657.07	8628.92	5936.60
					6084.139

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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	27	\$ 1,215.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,250.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 60.00
Wiring and bulb checking	\$ 45.00	1	\$ 45.00
Remove and replace tail gate windscreen glass (2-man job)	\$ 45.00	3.5	\$ 157.50
Remove and refix upholstery to facilitate repair	\$ 45.00	2	\$ 90.00
Transfer tail gate mechanism	\$ 45.00	2	\$ 90.00
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
Remove and replace rear exhaust system	\$ 45.00	2	\$ 90.00
Remove and replace rear reverse camera & conduct distance safety setting	\$ 45.00	1.7	\$ 76.50
Total labour cost			\$ 3,195.50

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.

15857.77

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Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$8,628.92
Further discount	20%	\$1,725.78
Recommended cost of parts replacement		\$6,903.13
Labour Cost Calculation (See section B)		\$3,195.50
Total Repair Cost (Round off to hundred)		\$10,000.00

LSR - 20%

8056.6

-20% 1611.32

6445.28

= 6400

(1) 5936.60

(2) 2120

(1) + (2) 8056.6

New

8204.39

-20%

6563.51

= 6600

6084.39

2120

8204.39

We would recommend a sum of \$10,000.00 $\times \frac{6600}{6400}$ and 7 5 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
SPRING- Recognised Certification for Management Consultants

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