

Our reference 21-8145
Date 22/9/2021
Page 2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As Inspected	Repairer's Estimate	Our Adjustment
List Items :				
Tail gate	1	crushed	2458.00	2,200 2458.00 DEF
Tail gate logo	1	necessary	62.10	62.10 NEC
Tail gate lock	1	bent-in	585.10	350 585.10 DEF
Tail gate damper actuator c/w ECU * see photo	1	damaged	630.00	500 630.00 DEF
Tail gate weatherstrip	1	ripped.nec	319.50	319.50 XSVC
Tail gate emblem Alphard	1	necessary	86.90	86.90 NEC
Tail gate outer chrome garnish	1	bent	845.00	550 845.00 CRK
Tail gate inner trim board	1	deformed	735.00	600 735.00 DEF
Tail gate side stopper rh	2	damaged	55.00	55.00 XSVC
Tail gate centre motor	1	malfunction	301.00	301.00 XSVC
Tail gate lamp rh	1	broken	561.00	561.00 CRK
Tail gate windscreen moulding	1	necessary	210.00	210.00 NEC
Rear bumper	1	deformed	1452.20	1,200 1452.20 DEF
Rear bumper side retainer rh	1	damaged	98.00	98.00 DEF
Rear bumper reflector rh	1	reuse	96.00	0.00 XSVC
Rear end panel	1	repair	895.12	0.00 XR
Rear end panel side rh	1	repair	412.00	0.00 XR
Rear end panel top garnish	1	reuse	226.00	0.00 XSVC
Tail lamp rh	1	broken	658.90	658.90 CRK
Tail lamp lower apron rh	1	bent	269.10	269.10 XSVC
Tail lamp panel rh	1	repair.respray	589.00	0.00 XR
Sub- Total cost			11544.92	9326.80 7,076.90
Percentage discount : 25%			2886.23	2331.70
Sub-Total costs for parts			8658.69	6995.10 5,307.67
Special Nett Items:				
Rear bumper clips	set	necessary	50.00	50.00 NEC
Tail gate windscreen sealant	1	necessary	60.00	60.00 NEC
Sub-Total costs for parts			110.00	110.00
Parts Repair				
* * *			0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			8768.69	7105.10 5,417.67

Subsidiaries of Impact Analysis Consultant:

• Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
• IA Accounting & Consultancy Pte Ltd • Infomights International Services (Philippines) • IABN Pte Ltd
www.iaconsulting.sg.com

Our reference 21-8145

Date 22/9/2021

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	14 18	\$ 810.00	630
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 900.00	600
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00	✓
Remove and refix tail gate windscreen (2 man-job)	\$ 45.00	3 3.5	\$ 157.50	135.00
Transfer tailgate mechanism	\$ 45.00	1 2	\$ 90.00	45
Conduct water leak test for rear portion associated repair works	\$ 45.00	1.5	\$ 67.50	XNN
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	0.8	\$ 36.00	XNN
Total labour cost			\$ 2,111.00	1,460

Manhour rate and the number of manhours required for each repairing task are formulated based on 'individual workshop' operating cost and in-house@ IA Research Guidelines respectively.

Subsidiaries of Impact Analysis Consultant:

- Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
 - IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd
- www.iaconsultingsg.com

Our reference 21-8145

Date 22/9/2021

Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$7,105.10 \$5,417.67
Labour Cost Calculation (See section B)		\$2,111.00 \$1,460.00
Total cost		\$9,216.10 \$6,877.67
Lump sum repair		\$1,843.22 \$5,502.13
Further discount	20%	
Total Repair Cost		\$7,300.00 \$5,500.00

We would recommend a sum of \$5,500.00 and 3.5 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
Enterprise Singapore - Recognised Certification for Management Consultants
IMI Professional Certificate In Vehicle Accident Damage Assessment (UK)

Subsidiaries of Impact Analysis Consultant:

- Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
 - IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd
- www.iaconsultingsg.com