

Our reference 20-02-9108

Date 5/3/2020

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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 / DD	1	bent	2358.80	2358.80 1,750
Tail gate inner trim Xsvc	1	intact	325.80	0.00X
Tail gate inner lock / Jam	1	bent	341.20	341.20 300
Tail gate outer garnish Xsvc	1	serviceable	185.90	0.00X
Tail gate logo / NEC	1	necessary	63.70	63.70 /
Tail gate weatherstrip / BR	1	ripped	328.50	328.50 /
Tail gate emblem 'HIACE' X N/M	1	necessary	48.90	48.90X
Tail gate shock absorber @\$215.00 Xsvc	1	serviceable	430.00	0.00X
Tail gate striker @\$25.00 X svc	2	damaged	50.00	50.00X
Rear bumper / CR4	1	deformed	568.70	568.70 /
Rear bumper side retainer @\$65.20 / NEC (RM) / 1	1	necessary	130.40	130.40 /
Rear bumper lower stay @\$22.60 Xsvc	3	bent	67.80	67.80X
Rear tail lamp @\$291.80 / CRA	2	cracked	583.60	583.60 500
Rear tail lamp lower panel @\$95.00 RH / CR4 / 1 rh bent lh reuse	1		190.00	95.00 /
Rear tail lamp lower garnish bracket @\$41.90 Xsvc	2	damaged	83.80	83.80X
Rear end panel outer / DD	1	crushed	850.60	850.60 600
Rear end panel inner / DD	1	crushed	445.80	445.80 /
Rear spare tyre bracket / BT	1	distorted	398.50	398.50 320
Rear step panel / BT	1	bent	215.00	215.00 /
Rear exhaust tail pipe / BT	1	bent	598.50	598.50 /
Rear exhaust mid pipe Xsvc	1	bent	624.30	624.30X
Rear floor panel X R	1	repair	3124.00	0.00
Rear floor panel top aluminium strip Xsvc	1	damaged	235.00	235.00X
Rear fender air vent rh / CR4	1	deformed	110.00	110.00 /
Rear fender rh X R	1	repair.respray	2158.00	0.00

Subsidiaries of Impact Analysis Consultant:

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Rear fender inner panel rh	1	repair	458.50	0.00	
Tail lamp quarter panel @\$265.00 / BT	2	rh bent lh repair	530.00	265.00	
Sub- Total costs			15505.30	8463.10	6,290.60
Percentage discount : 25%			3876.33	2115.78	-25%
Sub-Total costs for parts			11628.98	6347.33	4,715.95

Special Nett Items:

Rear bumper clip @\$5.00 / Nec	10	necessary	50.00	50.00	30
Tail gate windscreen sealant / Nec	1	necessary	50.00	50.00	30
Rear spare trye X SVC	1	reuse	250.00	250.00	X
Tail gate '70KM/H' sticker /	1	necessary	20.00	20.00	/
Rear bumper lower spoiler / CR4	1	damaged	650.00	650.00	500
Rear floor panel insulation / Nec	1	necessary	150.00	150.00	80
Sub- Total costs			1170.00	1170.00	660

Parts Repair

*	*	*	0.00	0.00	
Sub- Total costs			0.00	0.00	
Total costs for parts			12798.98	7517.33	

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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	37	\$ 1,665.00	1,000
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,300.00	1,000
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 100.00	50
Wiring and bulb checking	\$ 45.00	0.5	\$ 22.50	✓
Remove and replace rear exhaust system	\$ 45.00	2	\$ 90.00	60
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3	\$ 135.00	100
Remove and refix upholstery to facilitate the repair works	\$ 45.00	3	\$ 135.00	60
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	1.8	\$ 81.00	60
Total labour cost			\$ 3,528.50	2,252.5

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.

45
\$ 6,200
5 days

$$\begin{aligned}
 P &= 4,717.95 \\
 N &= 660 \\
 L &= 2,352.50 \\
 \hline
 &7,730.45 \\
 &- 20\% \\
 \hline
 &6,184.36
 \end{aligned}$$

16,327.48#

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Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		\$7,517.33	
Further discount	20%	\$1,503.47	
Recommended cost of parts replacement		\$6,013.86	(1)
Labour Cost Calculation (See section B)		\$3,528.50	(2)
Total Repair Cost (Round off to hundred)		\$9,500.00	(1) + (2)

We would recommend a sum of \$9,500.00 and 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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