

Our reference: 19-6-8353

Date: 25/7/2019

c/o AKA Auto Pte Ltd
No. 25 Kaki Bukit Road 4
#05-37 Synergy@KB
Singapore 417800

Dear Sirs

**RE: Road Traffic Accident on 25/6/2019
Neo Eng Tai**

In accordance with your instructions received in this office on **27/6/2019**, we made arrangements to examine the vehicle on **27/6/2019** at above-mentioned address. The following data was recorded:

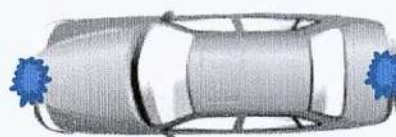
Vehicle details

Make	Honda	Registration	SJH5465Z
Model	Airwave	Chassis	GJ11300893
Colour	Silver	Gearbox	Auto
Odometer	262323km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	195/60R15	90% Toyo
Front right	195/60R15	90% Toyo
Rear left	195/60R15	90% Toyo
Rear right	195/60R15	90% Toyo

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 **\$17,600.00** and **12** working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

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
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Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items:				
Bonnet	1	buckled	858.70	858.70
Bonnet lock	1	distorted	154.60	154.60
Front bumper	1	deformed	1126.70	1126.70
Front bumper fog lamp cover rh	1	missing	68.70	68.70
Front bumper lower grille	1	missing	145.90	145.90
Front bumper side retainer @\$65.80	2	necessary	131.60	131.60
Front bumper tow cover	1	missing	36.70	36.70
Front bumper reinforcement	1	bent	280.40	280.40
Front radiator grille	1	damaged	281.60	281.60
Front radiator grille garnish	1	damaged	297.10	297.10
Front radiator grille logo	1	necessary	48.80	48.80
Front headlamp @\$761.90	2	holder damaged	1523.80	1523.80
Front headlamp lower bracket @\$95.80	2	damaged	191.60	191.60
Front support panel	1	bent	861.70	861.70
Front aircon condenser	1	bent	1136.70	1136.70
Front radiator fan cowl	1	cracked	187.50	187.50
Front radiator	1	bent	1245.50	1245.50
Front fender @\$652.30	2	repair.refinish	1304.60	0.00
Tail gate	1	crushed	1225.90	1225.90
Tail gate shock absorber @\$171.60	2	reset	343.20	0.00
Tail gate inner lock	1	bent.jammed	351.60	351.60
Tail gate inner lock cable	1	damaged	84.80	84.80
Tail gate inner trim	1	deformed	365.70	365.70
Tail gate weatherstrip	1	ripped	180.90	180.90
Tail gate windscreen glass	1	broken	1325.40	1325.40
Tail gate windscreen moulding @\$72.50	4	necessary	290.00	290.00
Tail gate wiper motor	1	serviceable	384.20	0.00

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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	45	\$ 2,025.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,600.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 150.00
Wiring and bulb checking	\$ 45.00	1	\$ 45.00
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	1.8	\$ 81.00
Specialist charges - Conduct rear chassis alignment	-	-	\$ 250.00
Remove and rebuild rear undercarriage works lh & rh	\$ 45.00	4	\$ 180.00
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3	\$ 135.00
Remove and refix upholstery, cushion seat & rear inner trims to facilitate the replacement of rear floor panel.	\$ 45.00	3	\$ 135.00
Remove / replace aircon condenser and refill aircon gas	\$ 45.00	2.5	\$ 112.50
Total labour cost			\$ 4,713.50

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.

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Tail gate logo	1	necessary	36.10	36.10
Tail gate logo moulding	1	necessary	325.80	325.80
Tail gate emblem 'AIRWAVE'	1	necessary	68.50	68.50
Tail gate reflector @\$205.40	2	serviceable	410.80	0.00
Tail gate outer protector	1	crushed	484.90	484.90
Rear number plate lamp @\$51.60	2	serviceable	103.20	0.00
Rear bumper	1	deformed	1126.70	1126.70
Rear bumper beam	1	bent	158.90	158.90
Rear bumper side retainer @\$69.40	2	necessary	138.80	138.80
Rear tail lamp @\$391.40	2	holder damaged	782.80	782.80
Rear end panel	1	bent	582.40	582.40
Rear end panel top garnish	1	deformed	183.60	183.60
Rear floor panel board	1	damaged	426.80	426.80
Rear fender inner trim @\$445.90	2	deformed	891.80	891.80
Rear fender @\$952.0	2	lh buckled rh repair	1904.00	952.00
Rear spare tyre panel	1	crushed	1124.50	1124.50
Rear door lh	1	repair.refinish	987.40	0.00
Rear shock absorber @\$352.00	2	rebuild	704.00	0.00
Sub- Total cost			24874.90	19685.50
Percentage discount : 20%			4974.98	3937.10
Sub-Total costs for parts			19899.92	15748.40

Special Nett Items:

Front number plate	1	missing	50.00	50.00
Front bumper clip @\$5.00	10	necessary	50.00	50.00
Front radiator grille clip @\$5.00	4	necessary	20.00	20.00
Tail gate windscreen sealant	1	necessary	50.00	50.00
Rear number plate	1	bent	50.00	50.00
Rear bumper clip @\$5.00	8	necessary	40.00	40.00
Rear floor panel insulation seal	1	necessary	150.00	150.00
Sub-Total costs for parts			410.00	410.00

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Parts Repair

*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			20309.92	16158.40

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Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		\$16,158.40	
Further discount	20%	\$3,231.68	
Recommended cost of parts		\$12,926.72	(1)
Labour Cost Calculation (See section B)		\$4,713.50	(2)
Total Repair Cost (Round off to hundred)		\$17,600.00	(1) + (2)

We would recommend a sum of **\$17,600.00** and **12** 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)
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Sr.MIES, Institution of Engineers, Singapore (#20100091)
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SPRING- Recognised Certification for Management Consultants

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