

Our reference: 20-08-9403

Date: 2/9/2020

c/o Team Autopro Pte Ltd
385 Sin Ming Drive
#01-02 Vicom Inspection Centre
Singapore 575718

Dear Sirs

**RE: Road Traffic Accident on 18/8/2020
Chua Wee Cheok**

In accordance with your instructions received in this office on **19/8/2020**, we made arrangements to examine the vehicle on **19/8/2020** at above-mentioned address. The following data was recorded:

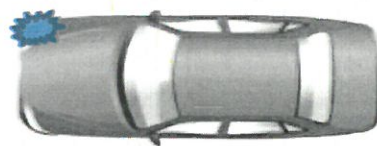
Vehicle details

Make	Toyota	Registration	SJX8562Y
Model	Previa	Chassis	JTEGD54M30A020942
Colour	Black	Gearbox	Auto
Odometer	55618km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	225/50R18	90% Michelin
Front right	225/50R18	90% Michelin
Rear left	225/50R18	90% Michelin
Rear right	225/50R18	90% Michelin

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 **\$7,300.00** and **7** 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
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Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items:				
Front bumper	1	deformed/torn	733.80	733.80
Front bumper side retainer rh	1	damaged	38.90	38.90
Front bumper fog lamp rh	1	holder damaged	205.80	205.80
Front bumper fog lamp garnish rh	1	deformed	102.30	102.30
Front bumper lower grille	1	edge deformed	155.10	155.10
Front fender rh	1	bent	621.00	621.00
Front fender inner cowling rh	1	torn	133.00	133.00
Front fender emblem VVT-I rh	1	necessary	48.90	48.90
Front fender inner panel rh	1	repair	296.70	0.00
Headlamp rh	1	defaced	1558.90	1558.90
Wiper tank	1	dented	128.80	128.80
Front shock absorber rh	1	bent	321.00	321.00
Front knuckle arm rh	1	bent	498.50	498.50
Front knuckle arm bearing / hub rh	1	necessary	398.00	398.00
Front lower arm rh	1	bent	293.00	293.00
Steering rack & pinion	1	jammed/damaged	1956.80	1956.80
Sub- Total cost			7490.50	7193.80
Percentage discount : 25%			1872.63	1798.45
Sub-Total costs for parts			5617.88	5395.35

Special Nett Items:

Front bumper clips	set	necessary	50.00	50.00
Front tyre rim rh	1	cut/abraded	550.00	550.00
Front tyre rh @90%	set	abraded	250.00	225.00
Front bumper lower spoiler rh	1	damaged	250.00	250.00
Front fender inner cowling clips	1	necessary	30.00	30.00
Sub-Total costs for parts			1130.00	1105.00

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Parts Repair

*	*	*	0.00	0.00
<i>Sub- Total costs</i>			0.00	0.00
<i>Total costs for parts</i>			6747.88	6500.35

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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.	\$ 50.00	19	\$ 950.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 800.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 40.00
Remove and refix front undercarriage works rh	\$ 50.00	6	\$ 300.00
Specialist charges - Wheel alignment	-	-	\$ 60.00
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 50.00	0.5	\$ 25.00
Total labour cost			\$ 2,175.00

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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Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		\$6,500.35	
Further discount	20%	\$1,300.07	
Recommended cost of parts		\$5,200.28	(1)
Labour Cost Calculation (See section B)		\$2,175.00	(2)
Total Repair Cost (Round off to hundred)		\$7,300.00	(1) + (2)

We would recommend a sum of \$7,300.00 and 7 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)

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