

Our reference: 20-08-9349
Date: 10/8/2020

INVOICE NO. 9349

Caldron Tan Heng Kiat
c/o Majesty Car Leasing
39 Woodlands Close
#01-36 Mega@ Woodlands
Singapore 737856

Registration No. **SGS184U**

We enclose our fee note for your kind attention, which remains payable irrespective of the outcome of this case.

S/No.	Description of Services Provided	Qty	Amount
1	Being vehicle damage assessment report, inspection, photographs, transport and miscellaneous.	1	\$ 798.00
Total amount			<u>\$ 798.00</u>

Please kindly cross all cheques made payable to "Impact Analysis Consultant".

We thank you in anticipation for your prompt payment.



L. L. Tan (Ms)
Principal Consultant

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c/o Majesty Car Leasing
39 Woodlands Close
#01-36 Mega@ Woodlands
Singapore 737856

Dear Sirs

**RE: Road Traffic Accident of 25/7/2020
Caldron Tan Heng Kiat**

In accordance with your instructions received in this office on **28/7/2020**, we made arrangements to examine the vehicle on **28/7/2020** at above-mentioned address. The following data was recorded:

Vehicle details

Make	Audi	Registration	SGS184U
Model	A5	Chassis	WAUZZZ8T2BA088656
Colour	Black	Gearbox	Auto
Odometer	157650km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	255/35ZR19	85% / Kinforest
Front right	255/35ZR19	85% / Kinforest
Rear left	255/35ZR19	85% / Kinforest
Rear right	255/35ZR19	85% / Kinforest

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 **\$11,700.00** and **9** working days for repair, which is sufficiently lower than the pre accident value to render the vehicle an economically and physically reliable proposition.

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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	repair.respray	1652.40	0.00
Front bumper side retainer lh	1	necessary	55.20	55.20
Wiper tank	1	dented	135.70	135.70
Front fender lh	1	bent/cut	925.40	925.40
Front fender inner garnish lh	1	damaged	166.20	166.20
Front fender inner shield lh	1	damaged	99.80	99.80
Front shock absorber lh	1	bent	412.00	412.00
Front knuckle arm lh	1	bent	585.00	585.00
Front knuckle bearing/ hub lh	1	necessary	510.00	510.00
Front cross arm (oil leak)	1	bent	296.80	296.80
Front lower arm long	1	bent	288.00	288.00
Front lower arm short	1	bent	245.00	245.00
Front side mirror assy lh	1	intact	758.45	0.00
Front door lh	1	bent/deep-cut	1885.50	1885.50
Front door weatherstrip lh	1	ripped	342.40	342.40
Front door inner lock lh	1	damaged	352.00	352.00
Front door inner board lh	1	torn/deformed	612.40	612.40
Front door hinge @\$85.00	2	distorted	170.00	170.00
Front door channel (chrome) lh	1	necessary	155.70	155.70
Front door outer handle lh	1	intact	144.80	0.00
Front door window gear regulator lh	1	bent	233.50	233.50
Front door window gear motor lh	1	ceased	277.00	277.00
Rear door lh	1	repair.repaint	1866.50	0.00
Rear door inner lock lh	1	damaged	352.00	352.00
Rear door inner board lh	1	serviceable	612.40	0.00
Front door hinge @\$85.00	2	serviceable	170.00	0.00
Front door channel (chrome) lh	1	necessary	155.70	155.70
Front door outer handle lh	1	intact	144.80	0.00

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Front door window gear regulator lh	1	bent	233.50	233.50
Front door window gear motor lh	1	serviceable	277.00	0.00
Rear fender lh	1	repair.respray	1145.20	0.00
Rear shock absorber lh	1	bent	412.00	412.00
Rear kunckle arm lh	1	bent	85.00	85.00
Rear knuckle arm bearing / hub lh	1	necessary	510.00	510.00
Sub- Total costs			16267.35	9495.80
Percentage discount : 5%			813.37	474.79
Sub-Total costs for parts			15453.98	9021.01

Special Nett Items:

Rear tyre rim lh	1	cut	658.80	658.80
Front tyre rim lh	1	cut	658.80	658.80
Front tyre lh @85%	1	abraded/cut	250.00	212.50
Rear tyre lh @\$85%	1	abraded/cut	250.00	212.50
Sub-Total costs for parts			1817.60	1742.60

Parts Repair

*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			17271.58	10763.61

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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	26	\$ 1,170.00
To apply undercoating, putty and spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,300.00
Wiring / bulb checking	\$ 45.00	0.5	\$ 22.50
Remove and refix front undercacriage work lh	\$ 45.00	5	\$ 225.00
Transfer of existing rear door mechanism to new door lh	\$ 45.00	1.8	\$ 81.00
Remove and refix rear undercacriage work lh	\$ 45.00	5	\$ 225.00
Transfer of existing front door mechanism to new door lh	\$ 45.00	1.8	\$ 81.00
Specialist charges - Wheel alignment	-	-	\$ 60.00
Total labour cost			\$ 3,164.50

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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Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		\$10,763.61	
		\$2,152.72	
Further discount	20%		
Recommended cost of parts replacement		\$8,610.89	(1)
Labour Cost Calculation (See section B)		\$3,164.50	(2)
Total Repair Cost (Round off to hundred)		\$11,700.00	(1) + (2)

We would recommend a sum of \$11,700.00 and 9 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





































