

Our reference: 20-06-9263

Date: 15/6/2020

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 23/5/2020
Ho Lee Chean

In accordance with your instructions received in this office on 27/5/2020, we made arrangements to examine the vehicle on 27/5/2020 at above-mentioned address. The following details were recorded:

Vehicle details

Make	Mercedes	Registration	SKN3548M
Model	CLA200	Chassis	WDD1173432N09
Colour	Grey	Gearbox	Auto
Odometer	123782km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	225/40R18	85% Bridgestone
Front right	225/40R18	85% Bridgestone
Rear left	225/40R18	85% Bridgestone
Rear right	225/40R18	85% Bridgestone

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 \$11,400.00 and 9 hours 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
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List Items:

Front bumper	1	deformed	1742.00	1742.00 1554 ✓
Front bumper upper bracket	1	damaged	155.00	155.00 ✓
Front bumper "Mercedes" badge	1	damaged	120.00	120.00 ✓
Front bumper upper grille mercedes logo	1	necessary	85.00	85.00 ✓
Front bumper tow cover	1	missing	42.50	42.50 ✓
Front license plate holder	1	damaged	89.40	89.40 X SVC
Front bumper reinforcement	1	bent	688.00	688.00 585 ✓
Front bumper reinforcement bracket @\$115.00	2	damaged	230.00	230.00 X SVC
Front bumper sponge centre	1	damaged	223.00	223.00 185 ✓
Front bumper sponge side @\$123.00	2	damaged	246.00	246.00 X SVC
Front bumper side bracket @\$65.00	2	necessary	130.00	130.00 ✓
Front bumper headlamp nozzle cover @\$45.00	2	intact	90.00	0.00
Front bumper fog lamp cover @\$102.50	2	intact	205.00	0.00
Front radiator grille	1	cracked	577.00	577.00 ✓
Front radiator grille outer chrome moulding	1	broken	324.50	324.50 ✓
Front bumper lower grille (mesh)	1	damaged	241.00	241.00 ✓
Headlamp @\$2250.00 2/00	2	damaged	4500.00	4500.00 4200 ✓
Front support panel assy	1	bent-in/warped	856.10	856.10 664 ✓
Front fender @\$795.00	2	repair.respray	1590.00	0.00
Bonnet lock	1	damaged	155.00	155.00 X SVC
Aircon condenser side air guide @\$98.00	2	damaged	196.00	196.00 ✓
Front sensor	1	malfunction	412.00	412.00 X SVC
Front distance sensor control module	1	damaged	557.80	557.80 X SVC
Front distance sensor bracket	1	damaged	123.15	123.15 X SVC

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Front coolant sensor	1	malfunction	288.70	288.70	X SVC
Sub- Total costs			13867.15	11982.15	
Percentage discount : 10%			1386.72	1198.22	
Sub-Total costs for parts			12480.44	10783.94	

Special Nett Items:

Front bumper clips	set	necessary	55.00	55.00	30/
Front number plate (special type)	1	bent	100.00	100.00	X
Front coolant (top up)	1	necessary	50.00	50.00	30/
Front support panel sealant	1	necessary	30.00	30.00	X SVC
Sub-Total costs for parts			235.00	235.00	

Parts Repair

*	*	*	0.00	0.00	
Sub- Total costs			0.00	0.00	
Total costs for parts			12715.44	11018.94	

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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	25	\$ 1,125.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,150.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 100.00
Wiring and bulb checking	\$ 45.00	0.5	\$ 22.50
Remove / replace aircon condenser and refill aircon gas	\$ 45.00	2.5	\$ 112.50
Remove and replace front distance sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50
Total labour cost			\$ 2,586.50

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.

6 repair days

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Section C: Summary Table of Total Repair Cost

Description		Cost	
Damaged Parts Assessment (See section A)		\$11,018.94	
Further discount	20%	\$2,203.79	
Recommended cost of parts replacement		\$8,815.15	(1)
Labour Cost Calculation (See section B)		\$2,586.50	(2)
Total Repair Cost (Round off to hundred)		\$11,400.00	(1) + (2)

We would recommend a sum of **\$11,400.00** 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

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