

Our reference: 21-8047

Date: 2/9/2021

c/o Garage 13 Pte Ltd
8 Kaki Bukit Ave 4
#03-46 Premier@KB
Singapore 415875

Dear Sirs

**RE: Road Traffic Accident on 21/8/2021
Ong Soo Eng**

In accordance with your instructions received in this office on **23/8/2021**, we made arrangements to examine the vehicle on **23/8/2021** at above-mentioned address. The following data was recorded:

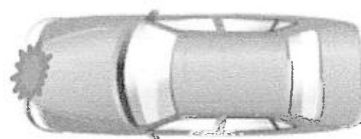
Vehicle details

Make	Mercedes	Registration	SBZ2288M
Model	E200	Chassis	WDD2130422A119544
Colour	White	Gearbox	Auto
Odometer	76586km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	225/55R17	85% Pirelli
Front right	225/55R17	85% Pirelli
Rear left	225/55R17	85% Pirelli
Rear right	225/55R17	85% Pirelli

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 **\$12,200.00** and **6** 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 :				
Bonnet	1	bent.buckled	2327.00	2327.00
Bonnet insulator	1	refix	311.00	0.00
Bonnet logo	1	necessary	85.50	85.50
Bonnet hinge @\$130.00	2	reset	260.00	0.00
Front number plate garnish	1	damaged	102.50	102.50
Front bumper	1	deformed	1652.10	1652.10
Front bumper lower lid	1	damaged	325.20	325.20
Front bumper lower lid chrome moulding	1	broken	298.90	298.90
Front bumper lower grille centre	1	broken	201.00	201.00
Front bumper fog lap cover lh	1	broken	108.90	108.90
Front bumper reinforcement	1	bent	689.00	689.00
Front bumper reinforcement absorber lh	1	bent	225.50	225.50
Front bumper side bracket lh	1	damaged	48.50	48.50
Front bumper reinforcement fastener lh	1	bent	112.10	112.10
Front bumper top rubber	1	abraded	91.10	91.10
Front bumper inner frame c/w stiffener metal	1	cracked.bent	298.50	298.50
Headlamp lh	1	holder broken	3751.20	3751.20
Front radiator grille assy	1	broken	1200.00	1200.00
Front radiator chrome moulding	1	broken	320.00	320.00
Front radiator top panel (metal)	1	bent	598.80	598.80
Front radiator top panel bracket lh	1	bent	71.80	71.80
Front fender lh	1	repair.respray	811.50	0.00
Front fender inner shield lh	1	damaged	112.80	112.80
Front fender under cover lh	1	torn	124.50	124.50
Front engine undercover centre	1	torn	265.80	265.80
Front chassis extension lh	1	bent	311.40	311.40
Sub- Total cost			14704.60	13322.10
Percentage discount : 10%			1470.46	1332.21
Sub-Total costs for parts			13234.14	11989.89

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Special Nett Items:

Front bumper clips	set	necessary	55.00	55.00
Front radiator grille clips	set	necessary	25.00	25.00
Front number plate	1	missing	50.00	50.00
Front bumper parking sensor 6pcs	set	malfunction	542.80	542.80
Front bumper centre camera (dummy)	1	refix	120.00	0.00
<i>Sub-Total costs for parts</i>			792.80	672.80

Parts Repair

*	*	*	0.00	0.00
<i>Sub- Total costs</i>			0.00	0.00
<i>Total costs for parts</i>			14026.94	12662.69

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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. (bonnet, front radiator top panel, front fender, front bumper and others etc)	\$ 45.00	26	\$ 1,170.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 950.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00
Remove / replace aircon condenser and refill aircon gas	\$ 45.00	3	\$ 135.00
Transfer bonnet mechanism (lock, hinges, insulator)	\$ 45.00	2	\$ 90.00
Specialist charges - Dignostic fault code / reset			\$ 150.00
Remove and replace front bumper parking sensor	\$ 45.00	2	\$ 90.00
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1.5	\$ 67.50
Total labour cost			\$ 2,702.50

Manhour rate and the number of manhours required for each repairing task are formulated based on 'individual workshop' 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)		\$12,662.69
Labour Cost Calculation (See section B)		\$2,702.50
Total cost		\$15,365.19
Lump sum repair		\$3,073.04
Further discount	20%	
Total Repair Cost		\$12,200.00

We would recommend a sum of \$12,200.00 and 6 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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