



# Impact Analysis Consultant

Practicing Management Consultant (PMC) of SBACC  
Approved Training Organisation (ATO) of Workforce Singapore

No.25 Kaki Bukit Road 4  
#06-46 Synergy @KB  
Singapore 41780  
Hotline: 6385 1171

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.

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
<b>List Items :</b>				
Bonnet	1	bent.buckled	2327.00	2327.00 ✓
Bonnet insulator	1	refix	311.00	0.00 X
Bonnet logo	1	necessary	85.50	85.50 ✓
Bonnet hinge @\$130.00	2	reset	260.00	0.00 X
Front number plate garnish	1	damaged	102.50	102.50 ✓
Front bumper	1	deformed	1652.10	<del>1652.10</del> 1508 ✓
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 X
Front bumper inner frame c/w stiffener metal	1	cracked.bent	298.50	298.50 X
Headlamp lh	1	holder broken	3751.20	<del>3751.20</del> 3352 ✓
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 X
Front fender inner shield lh	1	damaged	112.80	112.80 ✓
Front fender under cover lh	1	torn	124.50	124.50 X
Front engine undercover centre	1	torn	265.80	265.80 ✓
Front chassis extension lh	1	bent	311.40	311.40 X
<b>Sub- Total cost</b>			14704.60	13322.10
Percentage discount : 10%			1470.46	1332.21
<b>Sub-Total costs for parts</b>			<b>13234.14</b>	<b>11989.89</b>

1195280

1075752





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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 X
<b>Sub-Total costs for parts</b>			<b>792.80</b>	<b>672.80</b>

672.8

## Parts Repair

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

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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
<b>Total labour cost</b>			<b>\$ 2,702.50</b>

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.

2120.



Our reference 21-8047

Date 2/9/2021

### Section C: Summary Table of Total Repair Cost

Description		Cost
<b>Damaged Parts Assessment (See section A)</b>		\$12,662.69
<b>Labour Cost Calculation (See section B)</b>		\$2,702.50
<b>Total cost</b>		\$15,365.19
<b>Lump sum repair</b>		\$3,073.04
<b>Further discount*</b>	<b>20%</b>	
<b>Total Repair Cost</b>		<b>\$12,200.00</b>

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)

Total: 13550.32  
L/S: 10.8K.  
06 Days.