

Our reference: 22 - 170635

Date: 12/05/2022

c/o Garage 13 Pte Ltd
8 Kaki Bukit Ave 4
#02-55 Premier@KB
Singapore 415875

Dear Sirs

RE: **Road Traffic Accident on 29-04-2022**
Foong Khai Weng

In accordance with your instructions received in this office on **29-04-2022**, we made arrangements to examine the vehicle on **29-04-2022** at above-mentioned address. The following data was recorded:

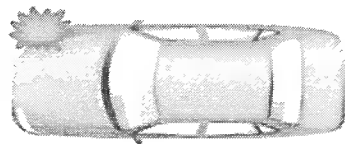
Vehicle details

Make	Mercedes	Registration	SJV3308J
Model	B180 PROGRESSIVE	Chassis	W1K2470842J120695
Colour	Silver	Gearbox	Auto
Odometer	12977km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	255/45R18	80% Bridgestone
Front right	255/45R18	80% Bridgestone
Rear left	255/45R18	80% Bridgestone
Rear right	255/45R18	80% 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 **\$8,800.00** 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:

- Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd
- www.iaconsulting.sg.com

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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	1620.00	1620.00 1367.86
Front bumper fog lamp cover rh	1	holder broken	98.00	98.00
Front bumper side retainer rh	1	cracked	115.00	115.00
Front bumper energy absorber	1	refix	165.00	0.00 xnn
Front bumper side garnish rh	1	holder broken	75.00	75.00
Front bumper parking sensor @\$235.00	1 2 pcs	malfunction	940.00	470.00 235
Front bumper logo	1	necessary	65.69	65.69
Center grille	1	Inconsistent	358.00	0.00 xnn
Center grille chrome moulding	1	inconsistent	328.00	0.00 xnn
Headlamp rh	1	grazed.fractured	3258.54	3258.54
Front fender rh	1	repair.respray	655.23	0.00 XR
Front fender inner bracket rh	1	bent	55.00	55.00 xnn
Front fender inner shield rh	1	torn	190.80	190.80
Front radar sensor	1	serviceable	425.00	0.00 xnn
Front knuckle arm rh	1	bent	970.79	970.79 XNN
Front wheel hub & bearing rh	1	necessary	513.02	513.02
Front linkage rh	1	bent	92.95	92.95 xnn
Front tie rod end rh	1	bent	184.34	184.34 xnn
Front shock absorber rh	1	bent	789.53	789.53 xnn
Front lower arm rh	1	bent	764.52	764.52 xnn
Sub- Total cost			11664.41	9263.18 5918.91
Percentage discount : 10%			1166.44	926.32 5327.02
Sub-Total costs for parts			10497.97	8336.86

Special Nett Items:

Front bumper clip	set	necessary	55.00	55.00 40
Front fender inner shield clip rh	set	necessary	40.00	40.00 20

60

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Front tyre rh	1	abraded	320.00	256.00 xnn
Front tyre rim rh	1	bent	650.00	650.00
Sub-Total costs for parts			1065.00	1001.00 650
Parts Repair				
*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			11562.97	9337.86

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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	14	\$ 630.00	500
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 500.00	
Remove and replace front undercarriage work rh	\$ 45.00	5	\$ 225.00	150
Specialist charges - Computerized wheel alignment	-	-	\$ 100.00	80
Remove and replace front bumper parking sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	30
Specialist charges - Check/Diagnostic and reprogramming	-	-	\$ 180.00	
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	0.7	\$ 31.50	30
Total labour cost			\$ 1,743.00	1470

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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5 DAYS #

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Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$9,337.86
Labour Cost Calculation (See section B)		\$1,743.00
Total cost		\$11,080.86
Lump sum repair		\$2,216.17
Further discount	20%	
Total Repair Cost		\$8,800.00

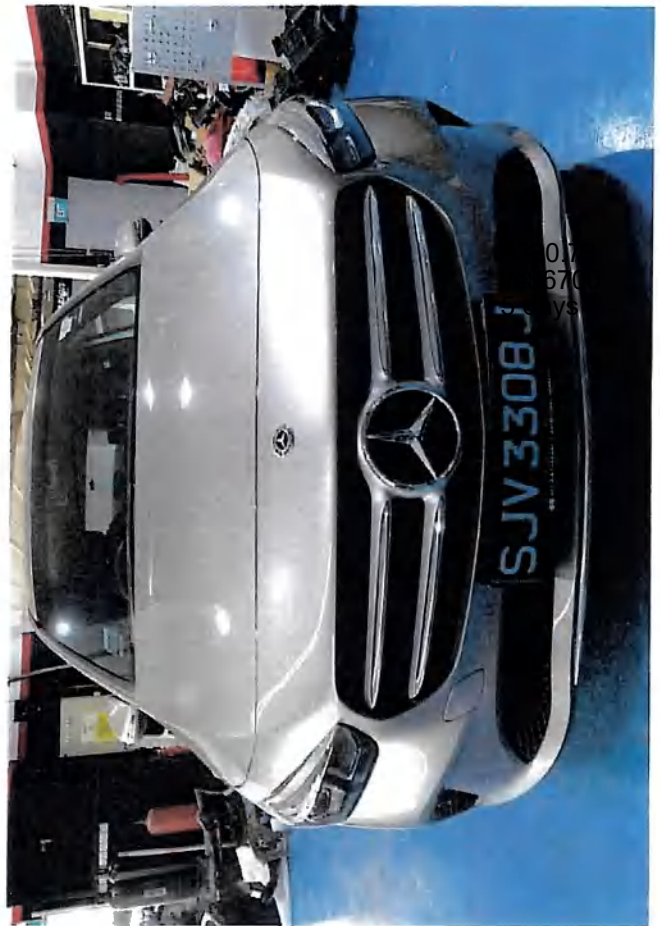
We would recommend a sum of \$8,800.00 and 6 working days for repair.
No further items will be approved without our expressed written agreement. Any significant additional items will be subject to a supplementary report.



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)

Subsidiaries of Impact Analysis:

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www.iaconsultingsg.com



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