

Date: 09/03/2022

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

Dear Sirs

RE: Road Traffic Accident on 05-02-2022  
Ang Teck Poh Steven

In accordance with your instructions received in this office on 08-02-2022, we made arrangements to examine the vehicle on 08-02-2022 at above-mentioned address. The following data was recorded:

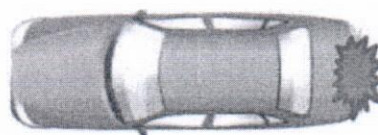
## Vehicle details

Make	Mercedes	Registration	SMM4287R
Model	C180	Chassis	WDD2050402R262333
Colour	White	Gearbox	Auto
Odometer	78784km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

## Tyre Depths

Front left	225/50R17	85% Michelin
Front right	225/50R17	85% Michelin
Rear left	225/50R17	85% Michelin
Rear right	225/50R17	85% Michelin

## 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 \$6,300.00 and 5 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:

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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>				
Rear bumper	1	deformed	1857.00	1857.00 ✓
Rear bumper side retainer @\$59.00	2	cracked	118.00	118.00 ✓
Rear bumper side bracket @\$77.90	2	cracked	155.80	155.80 ✓
Rear bumper lower lid	1	deformed	398.50	<del>398.50</del> ✓ 283.67
Rear bumper lower lid chrome	1	deformed	275.80	275.80 ✓
Rear bumper inner guide	1	cracked	122.00	122.00 ✓
Rear bumper reinforcement	1	bent	758.90	758.90 X nn
Rear bumper reinforcement cover	1	cracked	127.00	127.00 ✓
Rear bumper under cover side @\$115.50	2	lh torn rh reuse	231.00	115.50 X nn
Rear bumper tow cover	1	reuse	42.00	0.00 X nn
Rear bumper electrical wire harness	1	reuse	391.10	0.00 X nn
Rear bumper foot kick sensor	1	torn.malfunction	329.66	329.66 X nn
Reverse sensor 6 pcs @243.50	set 2	3 pcs malfunction	1461.00	730.50 487 ✓
Tail lamp @\$732.10	2	lh split rh cracked	1464.20	1464.20 X nn
Tail lamp panel @\$221.00	2	repair	442.00	0.00 X nn
Tail lamp bracket @\$65.00	2	cracked	130.00	130.00 ✓
Rear end panel	1	repair	985.70	0.00 X R
Rear end panel top garnish	1	reuse	288.50	0.00 X nn
<b>Sub- Total cost</b>			9578.16	6582.86
Percentage discount : 10%			957.82	658.29
<b>Sub-Total costs for parts</b>			<b>8620.34</b>	<b>5924.57</b>
				3671.10
				-10%
				3303.99

#### Special Nett Items:

Rear end panel sealant	1	not necessary	40.00	0.00 X nn
Rear bumper clips	set	necessary	55.00	55.00 30
Rear end panel top garnish clips	set	necessary	20.00	20.00 X nn
<b>Sub-Total costs for parts</b>			<b>115.00</b>	<b>75.00</b>

30

#### 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>8735.34</b>	<b>5999.57</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.	\$ 45.00	18	\$ 810.00	500
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 750.00	600
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00	30
Specialist charges - Check/Dignostic and reprogramming			\$ 120.00	100
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.8	\$ 81.00	30
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1.5	\$ 67.50	30
<b>Total labour cost</b>			<b>\$ 1,878.50</b>	

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. 1290

4 days.

4520.64  
4623.99  
L/S - 3699.19  
= 3700  
-20% 3616.51  
L/S 63600

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

Description		Cost
<b>Damaged Parts Assessment</b> (See section A)		\$5,999.57
<b>Labour Cost Calculation</b> (See section B)		\$1,878.50
<b>Total cost</b>		\$7,878.07
Lump sum repair		\$1,575.61
Further discount	20%	
<b>Total Repair Cost</b>		<b>\$6,300.00</b>

We would recommend a sum of \$6,300.00 and 5 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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