

Impact Analysis Consulting Pte Ltd

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

No.25 Kaki Bukit Road 4
#06-46 Synergy @KB
Singapore 417800
Hotline: 6385 1171

Date: 02/04/2022

c/o KNW Car Spray Pte Ltd
10 Kaki Bukit Road 2
#01-01 First East Centre
Singapore 417868

Dear Sirs

**RE: Road Traffic Accident on 22-03-2022
JP Motor**

In accordance with your instructions received in this office on **23-03-2022**, we made arrangements to examine the vehicle on **23-03-2022** at above-mentioned address. The following data was recorded:

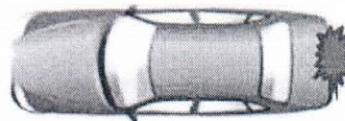
Vehicle details

Make	Mazda	Registration	SJB278L
Model	5	Chassis	JM6CR10F170106333
Colour	White	Gearbox	Auto
Odometer	278247km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	205/55R16	85% Triangle
Front right	205/55R16	85% Triangle
Rear left	205/55R16	85% Hankook
Rear right	205/55R16	85% Hankook

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 \$5,200.00 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.

Submit L/S \$3500
5 days.

Subsidiaries of Impact Analysis:

• Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd
www.iaconsultingsg.com

Date 02/04/2022

Page 2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items:				
Tail gate	one	1 deformed.cracked	1754.70	1754.70 ✓
Tail gate logo	1M	1 necessary	72.00	72.00 ✓
Tail gate emblem "Mazda"	1M	1 necessary	65.00	65.00 ✓
Tail gate emblem "5"	1M	1 necessary	45.00	45.00 ✓
Tail gate lock	1M	1 bent-in	263.60	263.60 ✓
Tail gate lock striker	1M	1 bent	31.20	31.20 X
Tail gate weatherstrip	1M	1 ripped.nec	177.50	177.50 X
Tail gate shock absorber @\$215.00	2	2 reset	430.00	0.00 X
Tail gate windscreen moulding	1M	1 necessary	102.40	102.40 ✓
Rear bumper	1M	1 deformed	898.40	898.40 ✓
Rear bumper reinforcement	1M	1 bent	275.40	275.40 ✓
Rear bumper reflector @\$65.80	2	2 refix	131.60	0.00 X
Rear bumper side retainer @\$47.60	2	2 deformed.nec	95.20	95.20 ✓
Rear end panel	1	1 distorted	525.70	525.70 X
Rear end panel top garnish	1	1 deformed.torn	80.90	80.90 X
Rear exhaust heat shield	1	1 bent	66.00	66.00 ✓
Rear spare tyre floor panel - buckled	1	1 repair.respray	987.50	0.00 X
Sub-Total costs			6002.10	4453.00
Percentage discount : 20%			1200.42	890.60
Sub-Total costs for parts			4801.68	3562.40

Special Nett Items:

Rear bumper clips	1 set	1 necessary	50.00	50.00 30
Rear end panel sealant	1	1 necessary	40.00	40.00 X
Tail gate windscreen sealant	1	1 necessary	80.00	80.00 40
Rear number plate with holder	1	1 broken	50.00	50.00 40
Reverse sensor	1 set	1 malfunction	250.00	250.00 200
Rear end panel top garnish clips	1	1 necessary	15.00	15.00 X
Sub-Total costs for parts			485.00	485.00

Subsidiaries of Impact Analysis:

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

Impact Analysis Consulting Pte Ltd

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

No.25 Kaki Bukit Road 4
#06-46 Synergy @KB
Singapore 417800
Hotline: 6385 1171

Date 02/04/2022

Parts Repair

*	*	*	0.00	0.00
	Sub- Total costs		0.00	0.00
	Total costs for parts		5286.68	4047.40

P-3637.70
202
P-2910.16
S.N-310
L-1260
4480.10
292
3584

Subsidiaries of Impact Analysis:

• Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd
www.iaconsultingsg.com

Date 02/04/2022

Page 3

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	23	\$ 1,035.00
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.		\$ 60.00
Remove and refix upholstery to facilitate the repair works	\$ 45.00	1.5	\$ 67.50
Remove and refix tailgate rear windscreen glass. (2-man job)	\$ 45.00	3	\$ 135.00
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	2	\$ 90.00
Wiring and bulb checking	\$ 45.00	0.8	\$ 36.00
Total labour cost			\$ 2,495.00

400
600
11X
11X
120
50
Refer to main labour
60
30

1260

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.

Subsidiaries of Impact Analysis:

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

Date 02/04/2022

Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment <i>(See section A)</i>		\$4,047.40
Labour Cost Calculation <i>(See section B)</i>		\$2,495.00
Total cost		\$6,542.40
Lump sum repair		\$1,308.48
<i>Further discount</i>	20%	
Total Repair Cost		\$5,233.92
Total Repair Cost <i>(Round off to hundred)</i>		\$5,200.00

We would recommend a sum of \$5,200.00 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)
Subsidiaries of Impact Analysis:

• Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd
www.iaconsultingsg.com