

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.

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Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items:				
Tail gate	1	deformed.cracked	1754.70	1754.70
Tail gate logo	1	necessary	72.00	72.00
Tail gate emblem "Mazda"	1	necessary	65.00	65.00
Tail gate emblem "5"	1	necessary	45.00	45.00
Tail gate lock	1	bent-in	263.60	263.60
Tail gate lock striker	1	bent	31.20	31.20
Tail gate weatherstrip	1	ripped.nec	177.50	177.50
Tail gate shock absorber @\$215.00	2	reset	430.00	0.00
Tail gate windscreen moulding	1	necessary	102.40	102.40
Rear bumper	1	deformed	898.40	898.40
Rear bumper reinforcement	1	bent	275.40	275.40
Rear bumper reflector @\$65.80	2	refix	131.60	0.00
Rear bumper side retainer @\$47.60	2	deformed.nec	95.20	95.20
Rear end panel	1	distorted	525.70	525.70
Rear end panel top garnish	1	deformed.torn	80.90	80.90
Rear exhaust heat shield	1	bent	66.00	66.00
Rear spare tyre floor panel - buckled	1	repair.respray	987.50	0.00
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	set	necessary	50.00	50.00
Rear end panel sealant	1	necessary	40.00	40.00
Tail gate windscreen sealant	1	necessary	80.00	80.00
Rear number plate with holder	1	broken	50.00	50.00
Reverse sensor	1	malfunction	250.00	250.00
Rear end panel top garnish clips	1	necessary	15.00	15.00
Sub-Total costs for parts			485.00	485.00

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Parts Repair

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

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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	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

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:

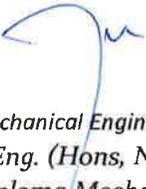
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Section C: Summary Table of Total Repair Cost

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

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