

Our reference: 21-7104

Date: 18/12/2020

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

Dear Sirs

**RE: Road Traffic Accident on 7/12/2020**  
**Richard Lim Wee Liat**

In accordance with your instructions received in this office on **8/12/2020**, we made arrangements to examine the vehicle on **8/12/2020** at above-mentioned address. The following data was recorded:

#### Vehicle details

Make	Mitsubishi	Registration	SF55671J
Model	Lancer	Chassis	JMYSTCY4A8U001191
Colour	Red	Gearbox	Auto
Odometer	232841km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

#### Tyre Depths

Front left	225/40R18	85% Dayton
Front right	225/40R18	85% Dayton
Rear left	225/40R18	85% Falken
Rear right	225/40R18	85% Falken

#### 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 **\$7,300.00** and **8** 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
<b>List Items :</b>				
Boot lid ✓	1	bent	689.80	689.80 ✓
Boot lid weatherstrip ✓	1	abrade//nec	162.50	162.50 ✓
Boot lid inner trim ✓	1	crumpled	166.80	166.80 ✓
Boot lid reflector @\$235.00 ✓	2	holder damaged	470.00	470.00 336
Boot lid sensor lock ✓	1	malfunction/jammed	311.00	311.00 145
Boot lid lower lock ✓	1	distorted	21.00	21.00 ✓
Rear number plate lamp @\$48.20 ✓	2	broken	96.40	96.40 ✓
Rear bumper ✓	1	deformed	732.00	732.00 ✓
Rear bumper top beam ✓	1	bent	133.00	133.00 ✓
Rear bumper reinforcement ✓	1	bent	398.50	398.50 225
Rear bumper tow cover ✓	1	damaged	39.00	39.00 ✓
Rear bumper reflector \$78.00 ✓	2	broken	156.00	156.00 90
Rear bumper side retainer @\$35.90 ✓	2	necessary	71.80	71.80 ✓
Rear end panel ✓	1	bent	612.40	612.40 407
Rear end panel top garnish ✓	1	deformed	155.00	155.00 135
Rear silencer box X REPAIR	1	bent/dented	678.70	678.70 X
Rear silencer chrome pipe X SVC	1	damaged	228.90	228.90 X
Rear fender inner trim @\$203.50 ✓	2	torn/crumpled	407.00	407.00 ✓
Tail lamp @\$369.50 ✓	2	damaged	739.00	739.00 ✓
Tail lamp panel @\$120.00	2	repair	240.00	0.00
Rear exhaust pipe insulator ✓	1	crumpled	110.00	110.00 76
Rear exhaust mounting @\$31.00 ✓	2	snapped	62.00	62.00 ✓
Rear spare tyre floor panel	1	repair	895.00	0.00
Rear spare tyre floor panel top board ✓	1	fractured	287.90	287.90 168

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Rear fender lh	1	repair.respray	895.20	0.00	
<b>Sub- Total cost</b>			<b>8758.90</b>	<b>6728.70</b>	4902.3
Percentage discount : 10%			875.89	672.87	
<b>Sub-Total costs for parts</b>			<b>7883.01</b>	<b>6055.83</b>	4412.07

**Special Nett Items:**

Rear bumper clip @\$5.00 ✓	10	necessary	50.00	50.00	30
Rear number plate casing ✓	1	broken	59.00	59.00	20
Rear number plate ✓	1	bent	50.00	50.00	20
Rear reverse sensor ✓	1	malfunction	250.00	220.00	✓
Rear number plate X REPEAT	1	bent	50.00	50.00	X
Rear spare tyre floor panel insulation (touch-up) X SVC	1	necessary	80.00	80.00	X
Rear end panel top garnish clips @\$5.00 ✓	2	necessary	10.00	10.00	✓
Rear end panel sealant ✓	1	necessary	50.00	50.00	✓
<b>Sub-Total costs for parts</b>			<b>599.00</b>	<b>569.00</b>	350

**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>8482.01</b>	<b>6624.83</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	23	\$ 1,035.00	900
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,100.00	1000
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 80.00	✓
Remove and replace rear exhaust system	\$ 45.00	2	\$ 90.00	60
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	40
Remove and refix upholstery to facilitate the repair works	\$ 45.00	2	\$ 90.00	60
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	×
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	0.8	\$ 36.00	30
<b>Total labour cost</b>			<b>\$ 2,552.50</b>	<b>2170</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.

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

Description		Cost
<b>Damaged Parts Assessment</b> (See section A)		\$6,624.83
<b>Labour Cost Calculation</b> (See section B)		\$2,552.50
<b>Total cost</b>		\$9,177.33
<b>Further discount</b>		\$1,835.47
	<b>20%</b>	
<b>Total Repair Cost</b>		<b>\$7,300.00</b>

We would recommend a sum of \$7,300.00 and 8 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)

7 Days  
MV:\$14k

6932.07  
-20%: 5550

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