

Our reference: 21-7206

Date: 12/1/2021

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

Dear Sirs

**RE: Road Traffic Accident on 3/1/2021  
Clarence Zhuang Boren**

In accordance with your instructions received in this office on **5/1/2021**, we made arrangements to examine the vehicle on **5/1/2021** at above-mentioned address. The following data was recorded:

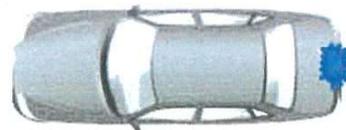
#### Vehicle details

<b>Make</b>	Volkswagen	<b>Registration</b>	SIZ287J
<b>Model</b>	Jetta	<b>Chassis</b>	WVWZZZ1KZAM139173
<b>Colour</b>	Grey	<b>Gearbox</b>	Auto
<b>Odometer</b>	164867km	<b>Paintwork</b>	Good
<b>Steering</b>	In order	<b>Brakes</b>	In order
<b>Condition</b>	Good		

#### Tyre Depths

Front left	205/55R16	80% Falken
Front right	205/55R16	80% Falken
Rear left	205/55R16	80% Falken
Rear right	205/55R16	80% Falken

#### Impact Direction & Area of Damage:



<b>Status</b>	REPAIRABLE
<b>Magnitude</b>	Medium
<b>Legal status</b>	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 **\$3,500.00** 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.

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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	repair.respray	1421.50	0.00	
Boot lid logo ✓	1	necessary	65.00	65.00	✓
Boot lid emblem 'JETTA' ✓	1	necessary	38.90	38.90	✓
Boot lid "TSi" ✓	1	necessary	42.00	42.00	✓
Boot lid lock	1	serviceable	235.60	0.00	
Rear bumper ✓	1	deformed	1025.00	1025.00	✓
Rear bumper lower ✓	1	grazed/cut	554.80	554.80	400.96
Rear bumper reflector lh ✓	1	broken	66.00	66.00	✓
Rear bumper reinforcement X SVC	1	bent	568.90	568.90	
Rear bumper inner top guide rail ✓	1	broken	142.50	142.50	✓
Rear bumper side bracket lh ✓	1	damaged	59.00	59.00	48.15
Tail lamp lower bracket lh	1	serviceable	62.00	0.00	
Tail lamp @\$552.30 SVC	2	refix	1104.60	0.00	
Rear exhaust pipe SVC	1	rebuild	752.00	0.00	
Rear exhaust insulator ✓	1	crumpled	135.00	135.00	✓
Rear end panel	1	repair	598.80	0.00	
Rear end panel top garnish SVC	1	intact	155.60	0.00	
<b>Sub- Total cost</b>			<b>7027.20</b>	<b>2697.10</b>	<b>1963.51</b>
Percentage discount : 10%			702.72	269.71	
<b>Sub-Total costs for parts</b>			<b>6324.48</b>	<b>2427.39</b>	<b>1767.15</b>
<b>Special Nett Items:</b>					
Rear bumper clip @\$5.00 ✓	10	necessary	50.00	50.00	35
Rear reverse sensor ✓	1	malfunction	280.00	250.00	200
<b>Sub-Total costs for parts</b>			<b>330.00</b>	<b>300.00</b>	

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**Parts Repair**

*	*	*	0.00	0.00
		<i>Sub- Total costs</i>	<u>0.00</u>	<u>0.00</u>
		<i>Total costs for parts</i>	<u><u>6654.48</u></u>	<u><u>2727.39</u></u>

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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	17	\$ 765.00	400
Putty & Spray painting to adjacent panels. Job allowance. Paint / material	Sub-contract work.		\$ 700.00	600
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00	×
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50	40
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	×
Remove and refix upholstery to facilitate the repair works	\$ 45.00	1.5	\$ 67.50	60
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>\$ 1,740.00</b>	<b>1130</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.

3132.15  
 -20%: 2500  
 4 Days

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

Description		Cost
<b>Damaged Parts Assessment (See section A)</b>		\$2,727.39
<b>Labour Cost Calculation (See section B)</b>		\$1,740.00
<b>Total cost</b>		\$4,467.39
		\$893.48
Further discount	20%	
<b>Total Repair Cost</b>		\$3,500.00

We would recommend a sum of \$3,500.00 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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