

Our reference: 22 - 170676

Date: 20/05/2022

c/o Garage 13 Pte Ltd  
8 Kaki Bukit Ave 4  
#02-55 Premier@KB  
Singapore 415875

Dear Sirs

**RE: Road Traffic Accident on 05-05-2022**  
**Yeo Kok Chuan**

In accordance with your instructions received in this office on **06-05-2022**, we made arrangements to examine the vehicle on **06-05-2022** at above-mentioned address. The following data was recorded:

#### Vehicle details

Make	Volkswagen	Registration	SJK5777H
Model	Sharan 2.0 TSI	Chassis	WVWZZZ7NZJV039095
Colour	Grey	Gearbox	Auto
Odometer	91355km	Paintwork	Fair
Steering	In order	Brakes	In order
Condition	Fair		

#### Tyre Depths

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

#### 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 **\$13,600.00** and **7** 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>				
Rear bumper	1	deformed	1226.25	1226.25 ✓
Rear bumper side retainer @\$69.65	2	cracked.nec	139.30	139.30 ✓
Rear bumper reflector @\$53.05	2	rh misalign/fractured lh refix	106.10	53.05 ✗ nn
Rear bumper tow cover	1	fractured	42.30	42.30 ✓
Rear bumper lower lid	1	deformed.fractured	322.00	322.00 ✓
Rear bumper reinforcement	1	bent	709.95	709.95 ✓
Rear bumper sponge	1	compressd.torn	114.65	114.65 ✓
Rear bumper energy absorber	1	cracked	212.90	212.90 ✗ nn
Rear bumper reverse sensor @\$195.20	2 <del>6</del>	3 malfunction	1171.20	585.60 390.40
Rear lamp @\$651.80	(RH) 1 <del>2</del>	rh chipped/holder broken lh refix	1303.60	651.80 ✓
Rear lamp side bracket @\$27.55	2	cracked	55.10	55.10 ✗ nn
Rear number plate lamp @\$62.50	2	holder broken	125.00	125.00 ✗ nn
Rear end panel	1	distorted	712.35	712.35 ✓
Rear end panel garnish	1	cracked	293.45	293.45 ✗ nn
Tailgate	1	distorted	2887.85	2887.85 2346 ✓
Tailgate lamp @\$668.55	(RH) 1 <del>2</del>	rh broken lh holder broken	1337.10	1337.10 668.55
Tailgate "VW" logo emblem	1	necessary	85.90	85.90 ✓
Tailgate "SHARAN" emblem	1	necessary	78.50	78.50 ✓
Tailgate windscreen	1	shattered	1895.45	1895.45 ✓
Tailgate wiper arm	1	bent	165.80	165.80 ✓
Tailgate wiper blade	1	bent	58.60	58.60 ✓
Tailgate wiper motor regulator	1	malfunction	658.00	658.00 ✗ nn
Tailgate lock	1	bent	592.35	592.35 ✓
Tailgate lock garnish	1	deformed	32.20	32.20 ✓
Tailgate outer handle with camera	1	check.serviceable	1093.05	0.00 ✗ nn
Tailgate damper @\$915.65	2	malfunction	1831.30	1831.30 ✗ nn
Tailgate weatherstrip	1	necessary	281.65	281.65 ✗ nn

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Tailgate inner trim board	1	holder fractured	883.75	883.75	× nn
Tailgate opening/closing switch	1	check.serviceable	325.60	0.00	× nn
<b>Sub- Total cost</b>			<b>18741.25</b>	<b>16032.15</b>	<b>10,232.35</b>
Percentage discount : 10%			<b>1874.13</b>	<b>1603.22</b>	<b>-10%</b>
<b>Sub-Total costs for parts</b>			<b>16867.13</b>	<b>14428.94</b>	<b>9209.11</b>

**Special Nett Items:**

Rear bumper clips	set	necessary	60.00	60.00	30
Tailgate windscreen solar film	1	necessary	280.00	280.00	150
Rear number plate with casing	1	dented	60.00	60.00	45
Tailgate inner trim board clips	set	necessary	40.00	40.00	× nn
Tailgate windscreen sealant	1	necessary	60.00	60.00	40
Rear end panel sealant	1	necessary	40.00	40.00	30
<b>Sub-Total costs for parts</b>			<b>540.00</b>	<b>540.00</b>	<b>205</b>

**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>17407.13</b>	<b>14968.94</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	19	\$ 855.00	✓
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 750.00	✓
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00	30
Remove and refix tail gate windscreen (2 man-job)	\$ 45.00	3	\$ 135.00	120
Transfer tailgate mechanism	\$ 45.00	2	\$ 90.00	80
Conduct water leak test for rear portion associated repair works	\$ 45.00	1	\$ 45.00	×
Remove and refix rear reverse camera & conduct distance safety setting	\$ 45.00	1.7	\$ 76.50	30
Remove and replace rear reverse sensor	\$ 45.00	1.8	\$ 81.00	30
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>\$ 2,118.50</b>	1925

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.

11,339.11

6 days

L/S - 9071.28  
= 9050

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

Description		Cost
<b>Damaged Parts Assessment</b> (See section A)		\$14,968.94
<b>Labour Cost Calculation</b> (See section B)		\$2,118.50
<b>Total cost</b>		\$17,087.44
Lump sum repair		\$3,417.49
Further discount	20%	
<b>Total Repair Cost</b>		\$13,600.00

We would recommend a sum of **\$13,600.00** and **7** 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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