

Our reference: 22 - 170576

Date: 25/4/2022

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

Dear Sirs

RE: Road Traffic Accident on 05-04-2022
Ng Yik Hin

In accordance with your instructions received in this office on 07-04-2022, we made arrangements to examine the vehicle on 07-04-2022 at above-mentioned address. The following data was recorded:

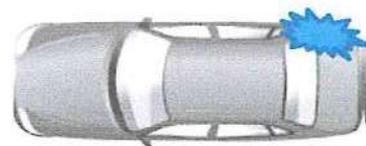
Vehicle details

Make	Land Rover	Registration	SLV2097A
Model	DISCOVERY SPORT SE S14 A	Chassis	SALCA2AG1FH520955
Colour	Black	Gearbox	Auto
Odometer	78732km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	235/60R18	85% Pirelli
Front right	235/60R18	85% Pirelli
Rear left	235/60R18	85% Pirelli
Rear right	235/60R18	85% Pirelli

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 \$10,900.00 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.

Subsidiaries of Impact Analysis:

Our reference: 22 - 170576

Date 25/4/2022

Page 2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment	
List Items :					
Rear bumper	1	cut.torn	1485.00	1485.00	
Rear bumper side rh	1	deformed	647.00	647.00	
Rear bumper sensor rh	1	malfunction	397.40	397.40	
Rear bumper diffuser	1	refix	432.10	0.00	XNN
Rear bumper reflector rh	1	refix	212.00	0.00	XNN
Rear bumper inner bracket rh	1	cracked	115.20	115.20	
Tail lamp rh	1	holder broken	646.40	646.40	
Rear fender arch garnish rh	1	deformed	322.30	322.30	208.20
Rear fender rh	1	distorted	3020.00	3020.00	SN\$500 LR
Rear fender splash shield rh	1	refix	404.80	0.00	XNN
Rear door rh	1	repair	2844.00	0.00	XNN
Rear door wheel arch garnish rh	1	deformed	289.00	289.00	265
Rear rim rh (sport)	1	bent.warped	1600.00	1600.00	1518
Rear shock absorber rh	1	bent	599.50	599.50	XNN
Rear knuckle arm rh	1	bent	727.60	727.60	
Rear knuckle bearing with hub rh	1	necessary	468.00	468.00	365
Rear control lower arm rh	1	bent	348.00	348.00	XNN
Rear lower arm rh	1	bent	727.60	727.60	XNN
Rear upper control arm rh	1	bent	332.40	332.40	XNN
Rear linkage rh	1	bent	125.40	125.40	XNN
Rear drive shaft rh	1	check.serviceable	1830.00	0.00	XNN
Sub- Total cost			17573.70	11850.80	6374.80
<i>Percentage discount : 10%</i>			1757.37	1185.08	5737.32
Sub-Total costs for parts			15816.33	10665.72	SN 500

Special Nett Items:

Rear tyre rh	1	punctured	300.00	255.00	210
Rear bumper clips	set	necessary	50.00	50.00	

260

Date 25/4/2022

Rear quarter glass sealant rh	1	necessary	40.00	40.00	XNN
Sub-Total costs for parts			390.00	345.00	
Parts Repair					
*	*	*	0.00	0.00	
Sub- Total costs			0.00	0.00	
Total costs for parts			16206.33	11010.72	

Our reference: 22 - 170576

Date 25/4/2022

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	24	\$ 1,080.00	750
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 900.00	750
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 50.00	30
Specialist charges - Computerized wheel alignment	-	-	\$ 120.00	80
Remove and replace rear undercarriage work rh	\$ 45.00	5	\$ 225.00	150
Remove and refix upholstery to facilitate the repair works	\$ 45.00	2	\$ 90.00	60
Remove and refix quarter glass rh	\$ 45.00	1	\$ 45.00	xnn
Remove and replace rear reverse sensor	\$ 45.00	1.7	\$ 76.50	50
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	0.7	\$ 31.50	30
Total labour cost			\$ 2,618.00	1855

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.

8352.32
L/\$6700
7 DAYS

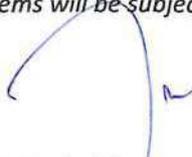
6 days

Date 25/4/2022

Section C: Summary Table of Total Repair Cost

Description		Cost
<i>Damaged Parts Assessment</i> <i>(See section A)</i>		\$11,010.72
<i>Labour Cost Calculation</i> <i>(See section B)</i>		\$2,618.00
Total cost		\$13,628.72
Lump sum repair		\$2,725.74
Further discount	20%	
Total Repair Cost		\$10,900.00

We would recommend a sum of \$10,900.00 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)

Subsidiaries of Impact Analysis:

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

