

Our reference: 21-8309
Date: 27/11/2021

INVOICE NO. 8309

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

Registration No. **SKA154D**

We enclose our fee note for your kind attention, which remains payable irrespective of the outcome of this case.

S/No.	Description of Services Provided	Qty	Amount
1	Being vehicle damage assessment report, inspection, photographs, transport and miscellaneous.	1	\$ 1,211.00
Total amount			<u><u>\$ 1,211.00</u></u>

Please kindly cross all cheques made payable to " Impact Analysis Consultant".

We thank you in anticipation for your prompt payment.



L. L. Tan (Ms)
Principal Consultant

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Date: 27/11/2021

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

Dear Sirs

**RE: Road Traffic Accident on 12-11-2021
YNH Realty**

In accordance with your instructions received in this office on **12-11-2021**, we made arrangements to examine the vehicle on **12-11-2021** at above-mentioned address. The following data was recorded:

Vehicle details

Make	Volkswagen	Registration	SKA154D
Model	Golf	Chassis	WVWZZZ1KZBW111137
Colour	Grey	Gearbox	Auto
Odometer	158643km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	225/40ZR18	85% Pirelli
Front right	225/40ZR18	85% Pirelli
Rear left	225/40ZR18	85% Pirelli
Rear right	225/40ZR18	85% Pirelli

Status	REPAIRABLE
Magnitude	Medium
Legal status	Unroadworthy

Impact Direction & Area of Damage:



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 **\$22,500.00** and **10** 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 :				
Front door rh	1	crushed	1859.70	1859.70
Front door check rh	1	bent	71.20	71.20
Front door inner trim board rh	1	serviceable	987.21	0.00
Front door inner lock rh	1	serviceable	352.20	0.00
Front door weatherstrip rh	1	ripped.nec	225.40	225.40
Front door hinge @\$115.20	2	bent	230.40	230.40
Front door window glass gear regulator rh	1	refix	455.80	0.00
Front bumper	1	deformed	1198.90	1198.90
Front bumper side retainer rh	1	necessary	58.90	58.90
Front fender inner shield rh	1	damaged	166.00	166.00
Front fender inner bracket rh	1	damaged	77.00	77.00
Front fender inner panel rh	1	crushed	611.00	611.00
Rocker panel rh	1	crushed	650.00	650.00
Front knuckle arm rh	1	bent	966.00	966.00
Front lower arm rh	1	broken	812.00	812.00
Front knuckle arm bearing rh	1	necessary	299.00	299.00
Front knuckle arm bearing hub rh	1	necessary	458.00	458.00
Front tie rod rh	1	damaged	211.00	211.00
Front linkage rh	1	bent	175.40	175.40
Front drive shaft rh	1	damaged	1658.90	1658.90
Steering rack & pinion	1	damaged	2650.00	2650.00
Front cross member	1	damaged	1660.00	1660.00
Front lower control arm @\$411.20	2	broken	822.40	822.40
Front windscreen pillar "A" rh	1	bent	425.80	425.80
Headlamp rh	1	broken	1425.00	1425.00
Headlamp bracket inner rh	1	damaged	166.00	166.00
Headlamp bracket outer rh	1	damaged	145.00	145.00
Headlamp panel rh	1	bent	322.00	322.00
Wiper tank	1	dented	125.90	125.90
Front bumper fog lamp garnish rh	1	deformed	145.20	145.20
Front bumper fog lamp rh	1	damaged	265.80	265.80
Front heat shield	1	damaged	385.10	385.10
Front tie rod inner rh	1	bent	185.90	185.90
Front tie rod outer rh	1	bent	215.00	215.00
front fender mudflap rh	1	broken	102.80	102.80
Front radiator grille assy	1	holder broken	385.45	385.45
Sub- Total cost			20951.36	19156.15
Percentage discount : 10%			2095.14	1915.62
Sub-Total costs for parts			18856.22	17240.54

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Special Nett Items:

Side skirt rh	1	broken	955.00	955.00
Front fender (carbon) rh	1	crushed	1125.00	1125.00
Front tyre rh	1	abraded	250.00	212.50
Front rim rh	1	cut	650.00	650.00
Side skirt clips rh	set	necessary	55.00	55.00
Front windscreen sealant	1	necessary	50.00	50.00
Front bumper lower lid	1	holder broken	1500.00	1500.00
Front shock absorber rh (after market)	1	bent	856.78	856.78
Front cross bar + ultra racing	1	bent.distorted	1895.00	1895.00
Front bumper clips	set	necessary	55.00	55.00
Sub-Total costs for parts			7391.78	7354.28

Parts Repair

*	*	*	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			26248.00	24594.82

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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	32	\$ 1,440.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,100.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 100.00
Remove and refix front windscreen (2 man-job)	\$ 45.00	3.5	\$ 157.50
Transfer front door mechanism rh	\$ 45.00	2	\$ 90.00
Specialist charges - Dignostic fault code / reset			\$ 150.00
Remove and replace front undercarriage works	\$ 45.00	12	\$ 540.00
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1.5	\$ 67.50
Total labour cost			\$ 3,645.00

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.

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Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$24,594.82
Labour Cost Calculation (See section B)		\$3,645.00
Total cost		\$28,239.82
Lump sum repair		\$5,647.96
Further discount	20%	
Total Repair Cost		\$22,500.00

We would recommend a sum of \$22,500.00 and 10 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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