

Our reference: 23 - 171126

Date: 11/1/2023

c/o ECO Automobile Claims & Repair Pte Ltd
13 Kaki Bukit Rd 4
#03-29 Bartley Biz Centre
Singapore 417807

Dear Sirs

RE: Road Traffic Accident on 17/11/2022
Qi Ji Catering Pte Ltd

In accordance with your instructions received in this office on **18/11/2022**, we made arrangements to examine the vehicle on **18/11/2022** at above-mentioned address. The following data was recorded:

Vehicle details

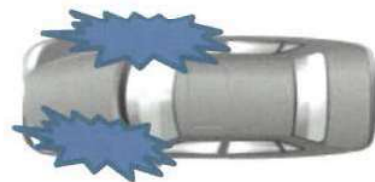
Make	Toyota	Registration	GBC2727J
Model	Hiace Manual	Chassis	JTFHT02P300081829
Colour	White	Gearbox	Manual
Odometer	422368km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

Tyre Depths

Front left	195R15C	75% Habilead
Front right	195R15C	75% Habilead
Rear left	195R15C	75% Habilead
Rear right	195R15C	75% Habilead

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 **\$17,800.00** and **13** 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:

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

Our reference: 23 - 171126

Date 11/1/2023

Page 2

Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As inspected	Repairer's Estimate	Our Adjustment
List Items :				
Front bumper	1	deformed	625.50	625.50
Front bumper side retainer rh/lh @\$59.00	2	broken.deformed	118.00	118.00
Front bumper reinforcement	1	bent	412.40	412.40
Front bumper lower grille	1	deformed	139.30	139.30
Front bumper side grille @\$86.50	2	lh deformed rh refix	173.00	86.50
Headlamp lh	1	cracked	734.40	734.40
Front corner panel lh	1	distorted	285.50	285.50
Front side mirror lh	1	cut.bent	325.50	325.50
Radiator center grille	1	grazed.fractured	576.90	576.90
Bonnet - dented	1	repair.respray	835.50	0.00
Bonnet logo	1	necessary	55.90	55.90
Aircon condenser	1	bent	968.50	968.50
Radiator	1	refix	996.80	0.00
Front door rh/lh @\$1887.10	2	distorted	3774.20	3774.20
Front door hinge upper lh	1	bent	95.40	95.40
Front door hinge lower lh	1	bent	95.60	95.60
Front door check lh	1	refix	63.20	0.00
Front widnscreen pillar "A" lh	1	repair.respray	434.20	0.00
Front door step panel lh	1	bent	296.80	296.80
Front door step panel garnish rh/lh @\$171.90	2	lh deformed rh refix	343.80	171.90
Front door rear pillar "B" rh/lh @\$625.90	2	distorted	1251.80	1251.80
Sliding door rh/lh @\$2030.00	2	distorted	4060.00	4060.00
Rocker panel lh	1	distorted	789.00	789.00
Front shock absorber rh/lh @\$315.60	2	bent	631.20	631.20
Front knuckle arm rh/lh @\$516.80	2	warped	1033.60	1033.60
Front knuckle arm bearing rh/lh @\$258.60	2	necessary	517.20	517.20
Front wheel hub rh/lh @\$481.20	2	warped	962.40	962.40
Front lower arm rh/lh @\$435.50	2	bent	871.00	871.00

Subsidiaries of Impact Analysis:

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

Our reference: 23 - 171126

Date 11/1/2023

Front tie rod rh	1	bent	220.00	220.00
Front tie rod end rh	1	bent	156.00	156.00
Front linkage rh	1	bent	76.20	76.20
Front ball joint rh	1	bent	86.50	86.50
Sub- Total cost			22005.30	19417.20
Percentage discount : 25%			5501.33	4854.30
Sub-Total costs for parts			16503.98	14562.90

Special Nett Items:

Front door LTA sticker rh/lh	2	grazed.necessary	70.00	70.00
Bonnet company sticker	1	necessary	150.00	150.00
Front bumper clip	set	necessary	50.00	50.00
Front door inner trim board clip rh/lh	set	necessary	70.00	70.00
Front door "HALAL" sticker rh/lh	2	necessary	60.00	60.00
Sliding door, "B" pillar, rocker panel & rear fender company sticker rh/lh	2	necessary	1200.00	1200.00
Front tyre rh/lh @\$185.00	2	abraded.punctured	370.00	277.50
Front rim cover rh/lh @\$225.00	2	lh deformed rh missing	450.00	450.00
Front rim rh/lh @\$320.00	2	bent	640.00	640.00
Sub-Total costs for parts			3060.00	2967.50

Parts Repair

Rocker panel rh - bent	1	repair.respray	0.00	0.00
Rear fender lh - dented	1	repair.respray	0.00	0.00
Sub- Total costs			0.00	0.00
Total costs for parts			19563.98	17530.40

Subsidiaries of Impact Analysis:

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

Our reference: 23 - 171126

Date 11/1/2023

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	38	\$ 1,710.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,900.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 100.00
Remove / replace aircon condenser and refill aircon gas	\$ 45.00	3	\$ 135.00
Transfer of existing front door mechanism to new door rh/lh	\$ 45.00	4	\$ 180.00
Transfer of existing sliding door mechanism to new door rh/lh	\$ 45.00	4	\$ 180.00
Specialist charges - Wheel alignment	-	-	\$ 80.00
Remove and replace front undercarriage work rh/lh	\$ 45.00	10	\$ 450.00
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1	\$ 45.00
Total labour cost			\$ 4,780.00

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.

Subsidiaries of Impact Analysis:

• Impact Analysis Consultant • IABN Pte Ltd • Impact Analysis Solution Pte Ltd

www.iaconsultingsg.com

Our reference: 23 - 171126

Date 11/1/2023

Section C: Summary Table of Total Repair Cost

Description		Cost
Damaged Parts Assessment (See section A)		\$17,530.40
Labour Cost Calculation (See section B)		\$4,780.00
Total cost		\$22,310.40
Lump Sum Repair		\$4,462.08
Further discount	20%	
Total Repair Cost		\$17,800.00

We would recommend a sum of \$17,800.00 and 13 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.iaconsulting.sg



