

# GARAGE 13 PTE LTD

8 KAKI BUKIT AVE 4 #03-46 PREMIER@KB SINGAPORE 415875

TEL: 9666 4445

*Denise*

## PROFORMA INVOICE

To: Twin Full Engineering

Invoice No. : G13/20003

Date : 15/09/2020

Vehicle No. : GBJ4890U

No.	Description	Qty	Unit Price	Amount
1	Repair cost	1	\$ 10,800.00	\$ 10,800.00
Total:				\$ 10,800.00

Payment by cheque should be crossed and made payable to 'Garage 13 Pte Ltd'

Issued By

Authorised Signature



# Impact Analysis Consultant

Practicing Management Consultant (PMC) of SBACC

Approved Training Organisation (ATO) of Workforce Singapore

No. 25 Kaki Bukit Road 4

#06-46 Synergy @KB

Singapore 41780

Hotline: 6385 1171

Our reference: 20-08-9365

Date: 17/8/2020

c/o Garage 13 Pte Ltd

8 Kaki Bukit Ave 4

#03-46 Premier@KB

Singapore 415875

Dear Sirs

RE: Road Traffic Accident on 29/7/2020  
Twin Full Engineering

In accordance with your instructions received in this office on 3/8/2020, we made arrangements to examine the vehicle on 3/8/2020 at above-mentioned address. The following data was recorded:

## Vehicle details

Make	Toyota	Registration	GBJ4890U
Model	Dyna	Chassis	JTFAT35Y10K213076
Colour	White	Gearbox	Manual
Odometer	45079km	Paintwork	Good
Steering	In order	Brakes	In order
Condition	Good		

## Tyre Depths

Front left	195/75R15	85% BS
Front right	195/75R15	85% BS
Rear left	155R12C	85% BS
Rear right	155R12C	85% BS

## 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 \$10,800.00 and 11 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 Consultant:

- Impact Analysis Consulting Pte Ltd • Impact Analysis Academy Pte Ltd • IA Racking Solutions Pte Ltd
- IA Accounting & Consultancy Pte Ltd • Infoknights International Services (Philippines) • IABN Pte Ltd

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## Section A: Damaged Parts Assessment

Part's Description	Qty	Condition As Inspected	Repairer's Estimate	Our Adjustment
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### List Items:

Front bumper	1	bent	585.00	585.00 ✓
Front bumper crossmember <i>Repair</i>	1	bent	685.50	685.50 X
Front bumper bracket @\$85.00	2	cracked	170.00	170.00 ✓
Front radiator grille assy	1	bent/cut	471.20	471.20 ✓
Front bumper fog lamp cover @\$65.00	2	deformed	130.00	130.00 ✓
Head lamp @\$978.50	2	cracked/holder torn	1957.00	1957.00 ✓
Front panel	1	bent/dented	952.80	952.80 ✓
Front panel inner	1	repair	758.50	0.00 X
Front panel emblem "Dyna"	1	necessary	120.00	120.00 ✓
Front radiator grille logo	1	necessary	59.50	59.50 ✓
Front wiper garnish (white)	1	bent	752.50	<del>752.50</del> 375 ✓
Front wiper link	1	damaged	198.50	198.50 ✓
Front corner panel rh <i>Repair</i>	1	bent	215.80	215.80 X
Front horn	1	intact	102.40	0.00 X
Tail gate	1	bent/warped	1658.90	<del>1658.90</del> 1465 ✓
Tail gate TOYOTA logo	1	necessary	300.00	<del>300.00</del> 226 ✓
Tail gate sticker "DYNA"	1	necessary	88.00	<del>88.00</del> 45 ✓
Tail gate lower hinge @\$38.50	4	damaged	154.00	154.00 ✓
Tail gate lower end panel <i>Repair</i>	1	bent	559.80	559.80 ✓
Tail gate side lock assy @\$285.00	2	bent/distorted	570.00	570.00 ✓
Tail lamp @\$255.00	2	refix	510.00	0.00 X
Rear floor panel	1	repair	2541.20	0.00 X
Side board @\$1554.00	2	repair.respray	3108.00	0.00 X
<b>Sub- Total cost</b>			16648.60	9628.50
<b>Percentage discount : 25%</b>			4162.15	2407.13
<b>Sub-Total costs for parts</b>			12486.45	7221.38

8038.80  
6029.10

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**Special Nett Items:**

Front number plate	1	cut/bent	50.00	<del>50.00</del> 30
Rear number plate	1	bent	50.00	<del>50.00</del> 30
Tail gate sticker 70km/h	1	necessary	20.00	20.00 ✓
Tail gate checker plate (galvanized)	1	bent	1300.00	<del>1300.00</del> 500
Reverse sensor	1	malfunction	250.00	<del>250.00</del> 200
Wire socket	1	damaged	35.60	35.60 ✓
Rear step bar	1	bent-in	220.00	<del>220.00</del> 100
<b>Sub-Total costs for parts</b>			<b>1925.60</b>	<b>1925.60</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>14412.05</b>	<b>9146.98</b>

915.60

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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.	\$ 50.00	35	\$ 1,750.00
Putty & Spray painting to adjacent panels. Job allowance. Paint / material.	Sub-contract work.		\$ 1,450.00
Apply rust proofing on the adjacent panels.	Sub-contract work.		\$ 150.00
Remove and replace rear bumper reverse sensor & conduct distance safety setting.	\$ 45.00	1.7	\$ 76.50
Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.)	\$ 45.00	1	\$ 45.00
Transfer of existing tailgate mechanism to new tailgate	\$ 45.00	2	\$ 90.00
Total labour cost			\$ 3,561.50

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	
<b>Damaged Parts Assessment</b> (See section A)		\$9,146.98	
Further discount	20%	\$1,829.40	
Recommended cost of parts		\$7,317.58	(1)
<b>Labour Cost Calculation</b> (See section B)		\$3,561.50	(2)
<b>Total Repair Cost</b> (Round off to hundred)		\$10,800.00	(1) + (2)

We would recommend a sum of \$10,800.00 and 11 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)

total: 9999.70  
L/S: 8K  
10 Days

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