

Our reference: 21-7238

Date: 24/1/2021

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

Dear Sirs

**RE: Road Traffic Accident on 6/1/2021
Iexpress Phone Repair Station**

In accordance with your instructions received in this office on **12/1/2021**, we made arrangements to examine the vehicle on **12/1/2021** at above-mentioned address. The following data was recorded:

Vehicle details

| | | | |
|-----------|----------|--------------|------------|
| Make | Nissan | Registration | GBJ4009Z |
| Model | Nv200 | Chassis | VM20133773 |
| Colour | Black | Gearbox | Auto |
| Odometer | 22692km | Paintwork | Good |
| Steering | In order | Brakes | In order |
| Condition | Good | | |

Tyre Depths

| | | |
|-------------|-----------|----------|
| Front left | 165/80R14 | 85% Toyo |
| Front right | 165/80R14 | 85% Toyo |
| Rear left | 165/80R14 | 85% Toyo |
| Rear right | 165/80R14 | 85% Toyo |

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 **\$11,100.00** 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.

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Section A: Damaged Parts Assessment

| Part's Description | Qty | Condition As inspected | Repairer's Estimate | Our Adjustment | |
|--|-----|------------------------------|---------------------|-----------------|----------------|
| Nett Items: | | | | | |
| Tail gate ✓ | 1 | crushed | 1925.80 | 1925.80 | 1750 |
| Tail gate lock ✓ | 1 | bent-in/jammed | 312.00 | 312.00 | 158 |
| Tail gate weatherstrip ✓ | 1 | ripped/nec | 243.00 | 243.00 | 125.9 |
| Tail gate damper @\$185.00 X SVC | 2 | stiffened | 370.00 | 370.00 | |
| Tail gate outer garnish X SVC | 1 | holder damaged | 202.00 | 202.00 | |
| Tail gate emblem NV200 ✓ | 1 | necessary | 52.00 | 52.00 | ✓ |
| Tail gate logo ✓ | 1 | necessary | 54.00 | 54.00 | ✓ |
| Tail gate lock striker ✓ | 1 | distorted | 42.00 | 42.00 | ✓ |
| Tail gate plate "Vanette" ✓ | 1 | necessary | 86.90 | 86.90 | 75 |
| Tail gate inner board ✓ | 1 | damaged | 302.00 | 302.00 | 135.2 |
| Rear bumper ✓ | 1 | deformed | 596.00 | 596.00 | 495.9 |
| Rear bumper side retainer @\$32.50 ✓ | 2 | necessary | 65.00 | 65.00 | ✓ |
| Rear bumper sponge ✓ | 1 | damaged | 192.00 | 192.00 | 135.2 |
| Tail lamp @\$302.40 ✓ | 2 | lh cracked rh holder damaged | 604.80 | 604.80 | 513.2 |
| Rear fender @\$1790.00 X Repair | 2 | lh multiple-bent rh repair | 3580.00 | 1790.00 | |
| Rear air vent ✓ | 1 | deformed | 135.00 | 135.00 | ✓ |
| Rear end panel ✓ | 1 | crushed | 354.00 | 354.00 | 269.9 |
| Rear end side panel @\$185.50 X Repair | 2 | bent | 371.00 | 371.00 | |
| Rear end panel top garnish ✓ | 1 | broken/deformed | 201.40 | 201.40 | 75 |
| Rear spare tyre bracket X NN | 1 | distorted | 229.00 | 229.00 | |
| Rear exhaust pipe X NN | 1 | bent | 621.40 | 621.40 | |
| Rear floor panel (rear part) X Repair | 1 | crushed | 1548.70 | 1548.70 | |
| Sub- Total cost | | | 12088.00 | 10298.00 | 4081.3 |
| Percentage discount : 10% | | | 1208.80 | 1029.80 | |
| Sub-Total costs for parts | | | 10879.20 | 9268.20 | 3673.17 |

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| | | | | | |
|---------------------------------------|-----|------------------|---------------|---------------|------------|
| Rear bumper clips ✓ | set | necessary | 45.00 | 45.00 | 30 |
| Reverse sensor ✓ | 1 | malfunction | 250.00 | 250.00 | 200 |
| Rear end panel sealant ✓ | 1 | necessary | 40.00 | 40.00 | ✓ |
| Tail gate windscreen sealant ✓ | 1 | necessary | 50.00 | 50.00 | ✓ |
| Rear floor panel sealant X SVC | 1 | necessary | 100.00 | 100.00 | |
| Rear floor panel mat insulation X SVC | 1 | crumpled/damaged | 220.00 | 220.00 | |
| Rear fender sealant lh X SVC | 1 | necessary | 60.00 | 60.00 | |
| Tail gate sticker 70km/h ✓ | 1 | necessary | 20.00 | 20.00 | ✓ |
| Rear end panel top garnish clips ✓ | set | necessary | 15.00 | 15.00 | ✓ |
| Sub-Total costs for parts | | | 800.00 | 800.00 | 355 |

Parts Repair

| | | | | | |
|------------------------------|---|---|-----------------|-----------------|--|
| * | * | * | 0.00 | 0.00 | |
| Sub- Total costs | | | 0.00 | 0.00 | |
| Total costs for parts | | | 11679.20 | 10068.20 | |

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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 | 38 | \$ 1,710.00 | 1000 |
| Putty & Spray painting to adjacent panels. Job allowance. Paint / material. | Sub-contract work. | | \$ 1,350.00 | 1000 |
| Apply rust proofing on the adjacent panels. | Sub-contract work. | | \$ 120.00 | 60 |
| Remove and refix tailgate rear windscreen glass. (2-man job) | \$ 45.00 | 3.5 | \$ 157.50 | 120 |
| Remove and replace rear bumper reverse sensor & conduct distance safety setting. | \$ 45.00 | 1.7 | \$ 76.50 | 40 |
| Remove and replace rear exhaust system | \$ 45.00 | 2 | \$ 90.00 | × |
| Transfer of existing tailgate mechanism to new tailgate | \$ 45.00 | 1.8 | \$ 81.00 | 60 |
| Remove and refix upholstery to facilitate the repair works of rear floor panel and rear fender | \$ 45.00 | 3 | \$ 135.00 | 80 |
| Specialist charges - Conduct rear chassis alignment | - | - | \$ 150.00 | × |
| Wiring / bulb checking (inclusive of re-focus / re-adjust on angle of light intensity.) | \$ 45.00 | 0.8 | \$ 36.00 | 30 |
| Total labour cost | | | \$ 3,906.00 | 2390 |

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) | | \$10,068.20 |
| Labour Cost Calculation (See section B) | | \$3,906.00 |
| Total cost | | \$13,974.20 |
| | | |
| Further discount | 20% | \$2,794.84 |
| Total Repair Cost | | \$11,100.00 |

We would recommend a sum of **\$11,100.00** 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.

6418.17

-20%: 5100

8 Days

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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