

Your Ref: SJE 34H
Our Ref : CI/TP19006069/D

05 April 2019

United Motoring Pte Ltd

Block 1 Bukit Batok Crescent #03-53
WCEGA Plaza
Singapore 658064

AUTOMOBILE INSPECTION REPORT OF MOTOR CAR SJE 34H

1. I refer to your request on 28 March 2019 to conduct a physical inspection of a motor car bearing registration number SJE 34H (herein referred to as "**Motor Car**").
2. The purpose of this inspection was to primarily determine: -
 - a) whether the manual transmission assembly on the Motor Car was fitted in a secure manner that will not affect the structural integrity of the Motor Car; and
 - b) whether there was any operational issue(s) to the manual transmission system of the Motor Car.
3. Following the request, I carried out a physical inspection of the Motor Car on 01 April 2019 at the premises of No. 48 Toh Guan Road East #02-136 Enterprise Hub, Singapore 608586. I also conducted a short test drive of the Motor Car during this inspection.
4. I now set out below my observations and comments with respect to this inspection and test drive.

Inspection of the Motor Car

5. The following general information of the Motor Car was first recorded at the time of my inspection: -

Vehicle Registration No.	: SJE 34H
Make / Model	: Nissan Skyline 2.5A
Chassis No	: ER34018139
Year of Registration	: 1999 (January)
Mileage	: 115,822km

6. The Motor Car was fitted with a 5-speed manual transmission assembly. The front (input) side of the transmission is bolted to the crankshaft side of the engine block while the rear (output) side of the transmission was connected to the propeller shaft, which links to the rear axle of the Motor Car. A bracket mounted to the underside of the floor board of the Motor Car, via bolts and nuts, supports the rear (output) side of the transmission. A pair of rubber bushings, sitting between the transmission and this bracket, absorbs any vibrations arising from the rotation of the transmission gears, minimising any stress to the bracket.
7. The transmission assembly was operated by a clutch pedal, for engaging and disengaging the transmission gears, and a manual gear shifter for manually selecting the transmission gear to be engaged. See photo 1 – 9 below taken during my inspection of the Motor Car.



Photo 1 shows the Motor Car hoisted for checks on its undercarriage.



Photo 2 shows a general view of the transmission assembly (arrowed) that was fitted on the Motor Car. The front (input) side of the transmission is bolted to the crankshaft side of the engine block while the rear (output) side of the transmission was connected to the propeller shaft, which links to the rear axle of the Motor Car.



Photo 3 shows a general view of the bracket (arrowed) mounted to the underside of the floor board of the Motor Car, via bolts and nuts. The bracket supports the rear (output) side of the transmission.



Photo 4 shows a closer view of the bracket mounted to the underside of the Motor Car's floor board, via bolts and nuts. The bracket supports the rear (output) side of the transmission. Rubber bushings (arrowed) absorbs any vibrations arising from the rotation of the transmission gears, minimising any stress to the bracket.

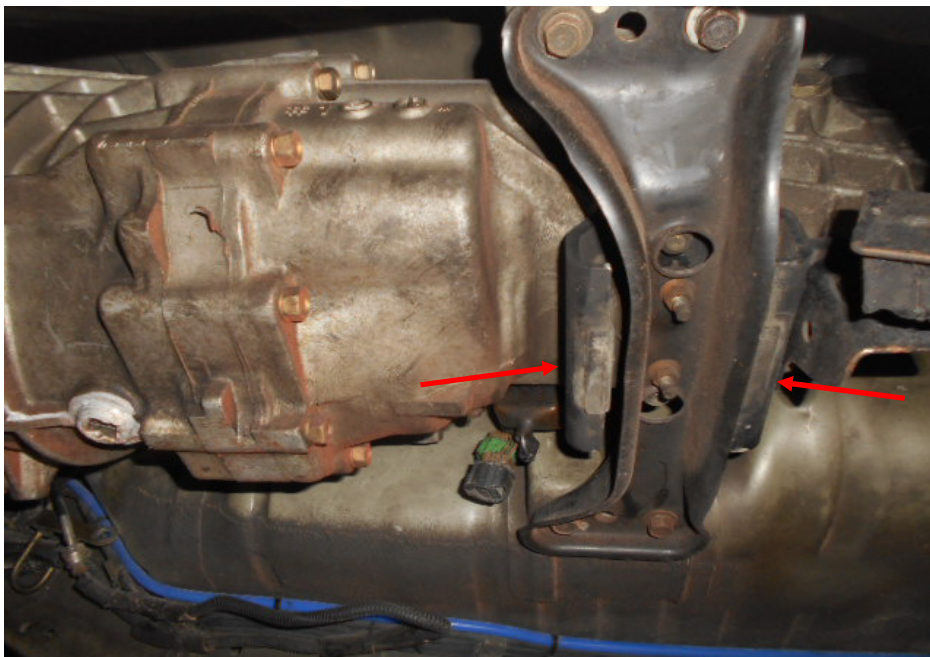


Photo 5 shows the rubber bushing (arrowed), sitting between the transmission and the bracket. The rubber bushing absorbs any vibrations arising from the rotation of the transmission gears, minimising any stress to the bracket.



Photo 6 shows a general view of the transmission assembly that was fitted on the Motor Car, as viewed from the rear to front. The transmission assembly is supported by a bracket (arrowed) that is mounted on the underside of the floor board of the Motor Car, via bolts and nuts.



Photo 7 shows the bracket mounted on the underside of the Motor Car's floor board, via bolts and nuts.



Photo 8 shows the manual gear shifter for manually selecting the transmission gear to be engaged.



Photo 9 shows the clutch pedal (arrowed) for engaging and disengaging the transmission gears.

8. I subsequently test drove the Motor Car to primarily determine whether there was any operational issue(s) to its manual transmission system. The Motor Car was driven within the premises of No. 48 Toh Guan Road East, Enterprise Hub.
9. The general performance of the transmission system of the Motor Car was satisfactory throughout the Motor Car's short test drive. Operationally, I did not find any abnormal behaviour of the transmission system. I was able to engage the different transmission gears without any significant difficulty. Selecting the required transmission gear by manually upshifting and downshifting of the gear shifter was relatively smooth. The Motor Car was also able to reverse when the gear was manually shifted to reverse. The mileage of the Motor Car at the end of the test drive was 115,823km.
10. In general, the transmission assembly of the Motor Car was found to be secured properly. It was not mounted onto the chassis body or any integral body part of the Motor Car. The structural integrity of the Motor Car is not compromised by the fitment of this particular transmission assembly. Overall, the operating condition of the Motor Car's transmission system was satisfactory throughout the Motor Car's test drive.

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