

GOOD Vehicle Maintenance Practices Reduce Vehicle Noise Emission

環境保護署

Environmental Protection Department

運輸署

Transport Department

採用環保油墨及再造紙印製

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For maintaining a quieter living environment, drivers, vehicle owners and drivers' employers should arrange your vehicle to be regularly maintained and pay particular attention to the following during maintenance:

Engine & Engine Compartment

- Regularly service and tune the engine to maintain the best operating condition
- Ensure that intake air ducting is not damaged or loose
- Ensure fan belts and idle pulleys are in their proper working condition to avoid noise arising from misalignment or slackness
- Ensure cooling fan blades and radiator shield are in their proper working condition to prevent noise from any misalignment or contact
- Ensure that engine mounting rubbers are not damaged or worn to prevent excessive engine vibration and noise
- Ensure to vent blow-off valves and waste-gate valves into the exhaust system upstream of any mufflers instead of directly into the atmosphere
- Do not use non-standard blow-off valves and waste-gates on all turbo-charged / super-charged engines
- Do not alter engine settings or the design of the air intake and piping system

Exhaust Emission System

- Ensure exhaust muffler, exhaust pipe and all connections and mountings are in good operating condition
- Do not use non-standard exhaust or other related parts including mufflers
- Do not alter exhaust or other related parts including mufflers to create more noise

Tyre

- Use only the tyre sizes recommended by the vehicle manufacturer
- Ensure that tyres are always inflated to the pressures recommended by the vehicle manufacturer
- Check to ensure that wheel alignment is correct
- Do not use unevenly or excessively worn tyres

Body

- Ensure proper maintenance of any worn out, loose or damaged components such as hinges, resilient stoppers, frame members, window frames etc. that may generate excessive free play or vibration and produce noise

Suspension System

- Perform regular checks and lubricate suspension springs and their mounting pins as required by the vehicle manufacturer

Brake System

- Ensure proper condition of braking components, e.g. actuators, brake drums, brake discs, brake linings or pads, quick release valves to prevent abnormal noise
- Ensure valves of pneumatic brake system are in proper operation to prevent abnormal noise

Transmission System

- Ensure that transmission mounting rubbers, propeller shaft and final drive gears are not damaged or worn to prevent undue body vibration and noise
- Ensure the dust boot of the constant-velocity Joints is not damaged or loose to prevent abnormal rattle sound from generating when turning

Vehicle Alarm System

- Ensure that the security system is in proper operation to prevent false alarm

Horn System

- Ensure that the horn system is not excessively loud

The leaflet is also available at the Environmental Protection Department and the Transport Department websites:

<http://www.epd.gov.hk>

<http://www.td.gov.hk>