

This section explains the configuration of the new 9AT gear train. Figure 1 is a skeleton of the new 9AT, and the chart in Fig. 2 shows the operation of the shift elements.

As the core element of power transmission in Automatic Transmission (AT), the planetary gear system has advantages in the gear ratio range, load carrying capacity and ...

The ultimate efficiency and ultimate response targets set for the newly developed 9AT were attained through the adoption of the technical measures described in this article.

Overview Specifications Development and production Licensing to Jatco Ltd Maintenance Nomogram Applications Notes One main focus was on increasing shift comfort, which is achieved on the one hand by measures in the control system and on the other hand by designing the torque converter accordingly. The hydrodynamic torque converter was largely taken over from the previous 7G-Tronic transmission. The 9G-Tronic is fully electronically controlled. The shift elements are controlled via a new type of hydraulic direct control with electromagnetically actuated valves, which enables fast and smooth gear ...

Mercedes-AMG developed the MCT 9G (M ulti C lutch T echnology) transmission. It was first introduced in the Mercedes-AMG E 63 4Matic+. The MCT transmission is essentially the 9G-Tronic with a start ...

Launched in December 2020, GWM DHT is a hybrid technology that is completely independently designed, developed, and has independent intellectual property rights.

At present, the discussion on the meaning of all 9AT transmissions on the market is mainly focused on whether it is for energy saving, emission reduction and fuel economy improvement, but we believe ...

Thanks to the modular principle, different starting elements and all-wheel drive applications can be implemented cost-effectively even given the restricted installation space conditions with front ...

The 9AT incorporates many control techniques that resolve the issues of increased shift busyness, worsened response and other undesirable aspects resulting from the addition of more speeds and ...

As a new energy architecture that pursues optimal efficiency, best driving experience, and the highest degree of intelligence in the full speed range, GWM DHT has five modes: pure electric, ...

Web: <https://anaelenaartistapmu.es>