

12. Phenomena Peculiar to the System

1. WHEN TRAVELING WITH EXTREMELY UNDER INFLATED TIRES

The TCS is apt to operate (particularly when turning) and, when it operates, acceleration can become slow*. This state is not abnormal. Immediately restore the tires to normal by traveling after releasing the TCS with the TCS OFF switch.

* Poor acceleration is sometimes caused by the engine itself. Check whether or not the TCS operating indicator light (green) comes on to determine that the failure is caused by the TCS control.

2. WHEN THE T TIRES ARE FITTED

The TCS is apt to operate (particularly when turning) and, when it operates, acceleration can become slow. This state is not abnormal. Immediately restore the tires to normal by traveling after releasing the TCS with the TCS OFF switch.

3. WHEN OPERATING THE TCS CONTINUOUSLY ON A SLOPE IMPOSSIBLE TO CLIMB OR IN STACK STATE

When operating the TCS for a long time, it can be automatically turned off (the OFF indicator light will come on), stopping braking. This state is not abnormal. It automatically resets by stopping and leaving the vehicle.

4. WHEN HEAVY LOAD IS PLACED ON THE BRAKES

If service brakes are used too often when descending a long slope, heavy load can be placed on the brakes. To prevent this problem, the TCS is automatically turned off (the OFF indicator light will come on). This state is not abnormal. Stop the vehicle and leave it in the same way as step 3, it automatically resets.

5. KICKBACK TO THE BRAKE PEDAL WHEN THE ABS IS OPERATING

Compared with ABS of the AWD model system, pedal kick-back with large amplitude of vibration and long cycle can be felt. This is caused by the difference in system configuration and, therefore, not abnormal. If you receive an inquiry from your clients, fully explain this point.

6. INSPECTOR

Before advancing the vehicle after the engine starts, drive the pump motor and valve for a very short time to functionally check the ABS/TCS brakes. It is not abnormal if, at this time, operating noises of the valve and motor are produced or kickback of the brake pedal is felt when stepping on the pedal.

7. WHEN ATTACHING CHAINS

It is sometimes a good idea to turn off the TCS for better advancing and accelerating the vehicle.

8. WHEN A DRUM TESTER IS USED (SPEEDOMETER TEST, EXHAUST GAS TEST, BRAKE TEST, ETC.)

Before performing tests, turn the TCS off by operating the TCS OFF switch or disconnect the fuse of ECM input power source to put the machine out of operation. If operating other parts to put the TCS in the fail state intentionally, trouble code will be recorded. Make sure to clear the memory. Also, in a 2-wheel tester, wheel speed sensor failure can be detected, making the TCS fail. This case is also not abnormal and clearing the memory is required.