CLAIMS

1. A control device for a vehicle (10), the vehicle (10) including a transmission (18) provided between a power source (12) and driving wheels (14), a clutch (20) configured to connect and disconnect a power transmission path between the power source (12) and the transmission (18), and a clutch actuator (22) configured to switch an operating state of the clutch (20),

the control device characterized by comprising:

an electronic control unit (50) configured to output a switching command to the clutch actuator (22), the switching command being a command to switch the operating state of the clutch (20) based on operation of a clutch pedal (38) by a driver, wherein

the electronic control unit (50) configured to change a characteristic of the operating state of the clutch (20) with respect to an operation amount of the clutch pedal (38) in accordance with travel performance desired by the driver, wherein the travel performance is based on a tendency of a driving operation of the driver if the travel performance is not selected by the driver.

2. The control device for the vehicle (10) according to claim 1, wherein

the electronic control unit (50) is configured to change the characteristic of the operating state of the clutch (20) at a time of startup of the vehicle (10).

3. The control device for the vehicle (10) according to claim 1 or 2, wherein

the electronic control unit (50) is configured to change the characteristic of the operating state of the clutch (20) at a time of gear-shift of the transmission (18).

4. The control device for the vehicle (10) according to claim 1, wherein

the electronic control unit (50) is configured to change a first characteristic and a second characteristic, the first characteristic being a characteristic of the operating state of the clutch (20) at a time of startup of the vehicle (10), the second characteristic being a

characteristic of the operating state of the clutch (20) at a time of gear-shift of the transmission (18), the first characteristic being different from the second characteristic.

5. The control device for the vehicle (10) according to any one of claims 1 to 4, wherein

the electronic control unit (50) is configured to change the characteristic of the operating state of the clutch (20) such that when the travel performance desired by the driver is a first travel performance, the clutch (20) is engaged faster with respect to operation of the clutch pedal (38) than when the travel performance desired by the driver is a second travel performance, and

the first travel performance is travel performance emphasizing acceleration response performance, while the second travel performance is travel performance emphasizing shock suppression performance.

6. The control device according to any one of claims 1 to 5, wherein

the travel performance desired by the driver is travel performance desired by the driver that is received by the electronic control unit (50) from a device (100) outside the vehicle (10).

7. The control device according to any one of claims 1 to 5, wherein the electronic control unit (50) receives travel performance desired by the driver from a device (100) outside the vehicle (10).

8. The control device according to claim 2 or 4, wherein

the electronic control unit (50) is configured to change the characteristic of the operating state of the clutch (20) at the time of the startup by changing an operation range of the clutch pedal (38) required to switch the operating state of the clutch (20) for engagement of the clutch (20).

9. The control device according to claim 2 or 4, wherein

the electronic control unit (50) is configured to change the characteristic of the operating state of the clutch (20) at the time of the startup by changing the operation amount of the clutch pedal (38) at a start of switching the operating state of the clutch (20) for engagement of the clutch (20).

10. The control device according to claim 3 or 4, wherein

the electronic control unit (50) is configured to change the characteristic of the operating state of the clutch (20) at the time of the gear-shift by changing a rate of change of a clutch transmission torque when the operating state of the clutch (20) is switched with respect to an identical operating pattern of the clutch pedal (38) for engagement of the clutch (20).

11. A control method for a vehicle (10), the vehicle (10) including a transmission (18) provided between a power source (12) and driving wheels (14), a clutch (20) configured to connect and disconnect a power transmission path between the power source (12) and the transmission (18), a clutch actuator (22) configured to switch an operating state of the clutch (20), and an electronic control unit (50),

the control method characterized by comprising:

outputting, by the electronic control unit (50), a switching command to the clutch actuator (22);

changing, by the electronic control unit (50), a characteristic of an operating state of the clutch (20) with respect to an operation amount of a clutch pedal (38) in accordance with travel performance desired by a driver, wherein the travel performance is based on a tendency of a driving operation of the driver if the travel performance is not selected by the driver; and

the switching command being a command for switching the operating state of the clutch (20) based on operation of the clutch pedal (38) by the driver.