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ABSTRACT

CONTROL DEVICE FOR HYBRID VEHICLE

A control device for a hybrid vehicle which enables an improvement in fuel consumption by means of a cylinder deactivation operation while maintaining brake performance. The hybrid vehicle has an engine (E) and a motor (M) for outputting power for driving the vehicle, wherein a regenerative brake is used during deceleration traveling of the vehicle in accordance with a deceleration state thereof, and the engine (E) includes at least one deactivatable cylinder which is deactivatable during deceleration traveling of the vehicle. The control device comprises: a deactivation determining section for determining whether the deactivatable cylinder is allowed to be deactivated in accordance with a traveling state of the vehicle; a deactivation cancellation determining section for canceling cylinder deactivation during deactivation operation; an intake pressure sensor (S1); a master vac negative pressure sensor (S3); and a control valve (34) for opening/closing a secondary air passage (33) for providing auxiliary air into the intake passage (30), wherein the control valve (34) is closed when the intake pressure is a negative value lower than a predetermined threshold during deceleration traveling of the vehicle.