

## Reduce your light vehicle monthly cost with reliable rpm and vehicle limiting

### Toyota VDJ70 Speed Limiting 2007-2024

To enhance safety and reduce speed-related incidents in the open cut and underground mining environments we offer various speed limiting systems for the Toyota VDJ 70 series.

These solutions are designed to minimize asset damage and prevent collisions.

For vehicles used exclusively underground, we recommend the engine programming option. This tamper-proof solution effectively protects engines and drivelines from operator abuse and has consistently demonstrated its reliability in harsh conditions. Alternatively, we can also provide an electronic speed limiter module if preferred.



### OPTIONS

#### Engine Programming (Underground use only)

- Set max vehicle speed ie 30km/hr. (Not switchable) \*
- Set the maximum engine speed ie 2700rpm which limits engine abuse
- Set reverse gear to have a lower maximum engine rpm which makes the vehicle speed lower (generally set to 2100rpm)
- Set 4th and 5th to derate if selected (Engine speed 1200rpm) \*
- Removal overall power from the engine (roughly 20%) to ensure underground driving is more controllable.

#### Engine Programming (Both Underground and Surface use)

- Set maximum engine rpm in low range i.e. 2700rpm which limits engine abuse.
- Set reverse gear to have a lower maximum engine rpm which makes the vehicle speed lower (generally set to 2100rpm)

#### Electronic speed limiter module

- PN: 11316856/30** Set maximum vehicle speed to 30km/hr (Can be set to low range only if required) \*
- PN: 11316856/60** Set maximum vehicle speed to 60km/hr
- PN: 13462534/30** Cable speed limiter to suit 1HZ 6 Cylinder engine

#### Additional

- PN: 99875** Transmission speed sensor module kit. We designed this due to our underground clients having problems with the rear abs sensors. This additional sensor and module supplies either the engine ecm or electronic speed limiter module PN:11316856 with an accurate and reliable vehicle speed input.
- PN: 99798** Transmission lockout plate (Locks out 4th and 5th)
- PN: 99797** Transmission lockout plate (Locks out 4th, 5th and High Range) Photo --->

Notes

\*Requires either a working abs signal input or a 365 transmission speed module kit PN: 99875.



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### Toyota VDJ70 Speed Limiting 2024 2.8L Engine> Automatic and Manual Transmissions

To enhance safety and reduce speed-related incidents in the open cut and underground mining environments we offer various speed limiting systems for the Toyota VDJ 70 series.

These solutions are designed to minimize asset damage and prevent collisions.

For vehicles used exclusively underground, we recommend the engine programming option. This tamper-proof solution effectively protects engines and drivelines from operator abuse and has consistently demonstrated its reliability in harsh conditions. Alternatively, we can also provide an electronic speed limiter module if preferred.



Automatic transmission programming for mining use

#### OPTIONS

##### Engine Programming (Underground use only)

- Set max vehicle speed ie 30km/hr. (Not switchable)
- Set the maximum engine speed ie 2700rpm which limits engine abuse
- Set reverse gear to have a lower maximum engine rpm which makes the vehicle speed lower (generally set to 2100rpm)
- Program the automatic transmission to only select 1st-3rd in low range.**

##### Engine Programming (Both Underground and Surface use)

- Set maximum engine rpm in low range i.e. 2700rpm which limits engine abuse.
- Set reverse gear to have a lower maximum engine rpm which makes the vehicle speed lower (generally set to 2100rpm)

##### Electronic speed limiter module

- PN: 11316856/30** Set maximum vehicle speed to 30km/hr (Can be set to low range only if required)
- PN: 11316856/60** Set maximum vehicle speed to 60km/hr