

International® S13 Integrated (2023)

Overview: *Over Speed Protection
Control*

TABLE OF CONTENTS

- General Overview: S13 Over Speed Protection Control Mode..... 1
- Description and Operation..... 1
 - DESCRIPTION1
- Programmable Parameters..... 1
- Parameter Setup..... 1
- Frequently Asked Questions 2
- Definitions/Acronyms 2

General Overview: S13 Over Speed Protection Control Mode

The S13 Over Speed Protection Control Mode feature is used to select the desired type of overspeed engine protection.

Programming to support this feature is accomplished within the engine control module (CEM1).

This document will address the unique S13 Over Speed Protection Control Mode feature for the S13.

Description and Operation

NOTE: Refer to the vehicle operation and maintenance manual, as well as the S13 engine operation and maintenance manual, for additional information on operation and indications.

Description

Overspeed protection monitors and shuts off the engine in case of diesel runaway. Some applications equipped with PTOs generating high inertia can cause the engine to over rotate, which falsely triggers overspeed protection that will shut down the engine. In such applications overspeed protection may need to be turned off to enable normal operation.

Programmable Parameters

The following engine controller (CEM1) programmable parameter is available for the S13 Over Speed Protection Control feature.

Parameter Value	Description	Possible Values	Cust Pgrm	Recommended Settings
Overspeed Protection Control Mode (OSPCM) (10C1 000) CEM1	This parameter determines the Over Speed Protection Control Mode.	0- Both overspeed and over acceleration protection 1- Only overspeed protection and bypass over acceleration	Dealer	1

Parameter Setup

S13 Over Speed Protection Control Mode

Set this parameter to the desired mode.

Frequently Asked Questions

Definitions/Acronyms

The following terms are referenced in this document:

Acronym	Definition
CEM	Engine Control Module
OSPC	Over Speed Protection Control Mode