An Oshkosh Corportation Company

General Bulletin: GB2022002
2023 Ford F650/F750 ESC Delete

Subject:	2023 Ford F650/750 Chassis – Electronic Stability Control
Attn:	IMT Distributors
From:	IMT Sales
Date:	December 5, 2022
Affected Models:	All Body Models

Ford Motor Co. has made IMT aware that Electronic Stability Control (ESC) is to be standard on all 2023 F650/750 models. This feature prohibits the modification of wheelbase or suspension components on these chassis.

In order for IMT equipment to integrate effectively with these chassis models, Ford option code **18A** should be ordered to delete ESC.

IMT's position as it relates to 2023 F650/750 chassis will be as follows:

1) All F650/750 chassis sent to IMT for upfitting of any body type should have ESC deleted by specifying option **18A.**

2) Any chassis received without option **18A** selected and has ESC installed will be subject to the following:

    a) IMT will not alter the wheelbase.

    b) IMT will not perform unit leveling.

Please refer to attached SVE Bulletin Q-345R1 from Ford Motor Co.

Contact your Regional Sales Manager if you have questions.

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Q-345R1

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

E-Mail via Website: www.FordBBAS.com (click "Contact Us")

Toll-free: (877) 840-4338

QVM BULLETIN: Q-345R1 DATE: 11 / NOV / 2022

ELECTRONIC STABILITY CONTROL (ESC) STANDARD ON 2023 MODEL F650/750
ESC DELETE OPTIONAL ON NON-TRACTOR PACKAGE VEHICLES

REVISION	UPDATE	REVISION DATE
Q-345R1	Updated/Modified wording	11NOV2022
Q-345	Initial Release	8/DEC/2021

MODEL(S) AFFECTED:
2023 Model Year (MY) F650/750

ISSUE / DESCRIPTION:
Electronic Stability Control (ESC) is now **STANDARD** for 2023MY F650/750 Vehicles

ESC Delete, Order Guide Sales Code 18A, should be selected for chassis where the vehicle vertical center of gravity (CG) **is not known at the time of order** OR for other anticipated modifications (such as wheelbase length modifications, aftermarket 4x4 conversions, rear suspension revisions, etc.) **If the wheelbase is going to be modified post - manufacture, then ESC Delete must be ordered.**

Note that ESC Delete is not available on vehicles ordered with Tractor Package or on vehicles ordered with optional Driver Assisted Technology (DAT) packages.

Electronic Stability Control (ESC) is designed to help drivers maintain control of their vehicle. ESC helps preventing vehicle skids or lateral slides by applying the brakes to one or more of the wheels individually and, if necessary, decreases engine power.

Vehicles ordered with air brakes in addition to the standard ESC require that the Ford dealer select the expected vertical CG of the completed vehicle with customer payload. The following vertical CG range options are available:

Special Build Requirement–LOW–38" to 48" Center of Gravity (Requires 67A). Not available with ESC Delete (18A)	98B
Special Build Requirement–MEDIUM–48" to 58" Center of Gravity. Not available with ESC Delete (18A)	98C
Special Build Requirement –HIGH–58"–68" Center of Gravity. Not available with ESC Delete (18A)	98E
Special Build Requirement- TANKER HIGH–58" to 68" Center of Gravity. Not available with ESC Delete (18A)	98F
Special Build Requirement—TANKER MEDIUM–48" to 58" Center of Gravity. Not available with ESC Delete (18A)	98J

Ford dealers should be working with upfitters to assist them with the determination of the optimal vertical CG range option of the completed vehicle.

Alternatives for determining vertical CG are discussed in the Body Builder Layout Book (BBLB) “General” section. The BBLB can be accessed at www.fordbbas.com under PUBLICATIONS. For F650/750, the vertical CG of the chassis as built by Ford should be assumed as the top of frame siderail height from ground at the longitudinal midpoint of the vehicle.

Note: THERE ARE NO PROVISIONS TO REVISE THE ESC MODULE CALIBRATION ONCE VEHICLES HAVE BEEN PRODUCED BY FORD.

F650/750 SUPER DUTY CHASSIS VERTICAL CENTER OF GRAVITY

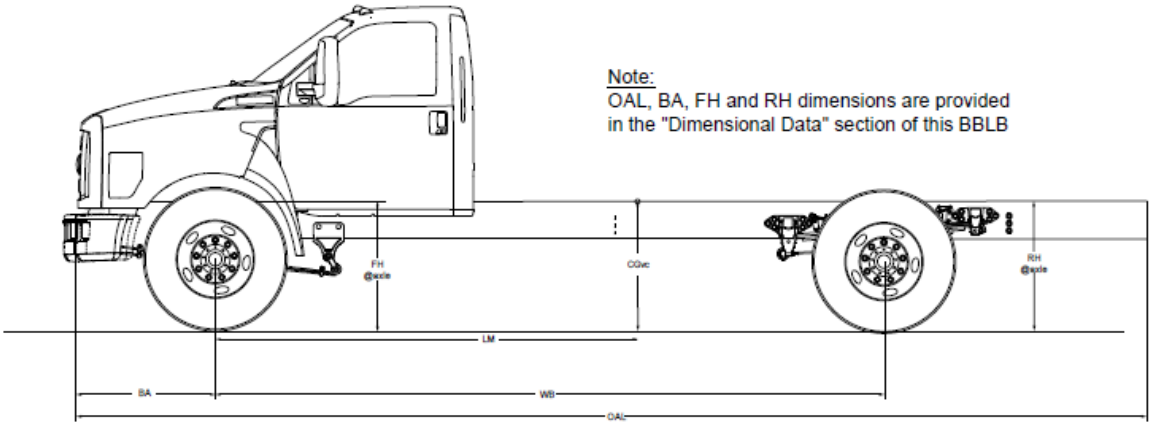
As a guide, the vertical center of gravity height of the incomplete vehicle, as sold by Ford Motor Company, may be assumed to be the distance from the ground to the top of the frame side rail measured at the longitudinal midpoint of the vehicle.

Longitudinal Midpoint with respect to front axle

$$LM = \frac{OAL}{2} - BA$$

Vertical Center of Gravity with respect to ground

$$CGvc = FH + (RH - FH)\frac{LM}{WB}$$



Note:
OAL, BA, FH and RH dimensions are provided in the "Dimensional Data" section of this BBLB

Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the Ford Body Builders Advisory Service as shown in the header of this bulletin.