

NAVCoM features

Standalone

Where the magic takes place!

Take full advantage of the standalone programming feature the NAVCoM has to offer. With quick and easy updating of vehicles without taking them out of service. Standalone programming works without a PC attached.

Pass Through

Standard pass through device allows quick access to vehicle data in conjunction with compatible diagnostic software.

See IKNOW article IK2600092 for the NAVCoM User Guide.



Updating the NAVCoM

1. Connect the NAVCoM to a PC (Internet access needed). The PC LED will illuminate.
 - a. If the NAVCoM is new (out of the box) it will need vehicle power. In this case, you will need to connect the NAVCoM to a live vehicle.
2. Launch Auto Upgrade and login.
3. Select the Engine Upgrader mode from the NAVCoM Mode dropdown list.
4. Click on the Update NAVCoM button.
5. Once updated, the NAVCoM is ready to be used as a standalone programming tool.

Upgrading a vehicle

1. See Standalone Vehicle Chart on the back to identify if the programming harness is needed.
2. Plug NAVCoM into the vehicle. The Vehicle LED will illuminate.
3. Key ON and follow the LED sequence (see LED Description chart on back for additional details).
 - a. All LEDs flashing down = key OFF.
 - b. All LEDs flashing up = key ON.
 - c. LEDs flashing both down and up = cycle the key OFF/ ON.
4. J1939 or J1708 LED will flash during programming.
5. Notice LEDs on NAVCoM for additional key OFF/ ON requests.
6. The Complete LED will illuminate indicating successful program.

Recovery Mode

1. Disconnect the NAVCoM, and then turn the key OFF.
2. Fix the issue (example: use programming harness if needed). For additional help see IK2600092.
3. Turn the key ON, and then connect the NAVCoM.
4. Follow the LED sequence.
5. Once programmed the Complete LED will illuminate.

How it works

1. NAVCoM detects the engine calibration and identifies if an update is needed.
 - a. If the update is NOT NEEDED, the NAVCoM will stop and illuminate the Complete LED in approximately 60 seconds.
2. If the update is NEEDED the NAVCoM saves a copy of the parameter and calibration file in a recovery file.
 - a. In case of a programming failure, the recovery file is used to update the calibration and recover the original parameters.
3. NAVCoM programs the new calibration and feeds the copied parameter file back into the module.
4. NAVCoM will create a log file to update the score card in ISIS.
5. The Complete LED will illuminate, identifying the upgrade was successful.

NAVCoM Standalone Vehicle Chart

Model Years	Vehicle	Programming Harness needed (see IK2600102)
1998-2007 Engines & MaxxForce 5, 7, DT, 9 & 10	CE and BE Bus	Yes
	1000 Series (Stripped Chassis, UPS, etc.)	Yes
	Workhorse	Yes
	RE Bus	Yes
	All Other Models	Yes
2010 MaxxForce DT, 9 & 10	All Models	Yes
2010 MaxxForce 7	All Models	Yes
2010 MaxxForce 11 & 13	All Models	No

LED Description

All LEDS down Key OFF ↓	All LEDS up Key ON ↑	All LEDS down & up Cycle the Key OFF/ ON ↕
J1708 Programming in J1939	J1939 Programming in J1939	PC Communication with PC
Complete Programming Successful	Warning Error/ Failure	Vehicle Communication with Vehicle

