



TEMESA

QUICK GUIDE

TS 45



DRIVER DUTIES

1 Before starting a journey, the driver must check:

- The tire pressure (visual check on a daily basis – test tire on a weekly basis).
- No liquids are leaking on pavement (visual check). Ensure that no oil exits from the muffler and that you see no excessive blue smoke (turbocharger oil consumption).
- Preheater function on engine and heating (engine and interior).
- The exhaust system component should be away from debris.

2 When operating a vehicle, the driver needs to:

- Check the coolant temperature gauge.
- **Avoid any overheating.**
Stop the vehicle if the engine, transmission became overheated or when sensing unusual odours or smoke from engine, brake, transmission and other components.
- Park in a safe and clean area.
- Avoid overloading because it increases all temperatures!
- Record in the daily operation report malfunction(s) with mileages and time.
- Check the ABS warning light.

Check the engine, transmission and brakes If they are functioning properly.

3 After completing a journey, the driver needs to:

Inform the technician or next driver about the problems and issues occurred.

- Hand over to the copy of daily operation report to the technician or fleet manager.
- Make a visual check of engine compartment and surrounding equipments of the vehicle and inform the technician if any issues inspected.

4 When returning a coach:

- Park vehicle and wait for 2 min before the leaving the vehicle. This will assist to prevent any damage on the Aftertreatment System and eliminate risk of fire due to internal electrical failure.

FIRE INSTRUCTIONS

ACTIONS TO BE TAKEN IN CASE OF FIRE

- 1 Park the vehicle in safe area (If it is possible).
- 2 Inform the appropriate emergency services, give them as much information about the accident and passenger involved as possible.
- 3 Pull the parking brake.
- 4 Inform passengers to move a safe distance away from the vehicle.
- 5 Open the door in order to let passengers get out fast. Inform the passengers to move a safe distance away from the vehicle.
- 6 Stop engine / isolate the batteries by turning off the main battery switch.
- 7 Identify the source of the fire.
- 8 When you feel safe . Use the fire extinguishers to put out fires. if the fire occur in the engine compartment the automatic fire extinguishers system will be activated. If the system is not working properly you may use the fire extinguishers.
- 9 Secure the incident area.
- 10 Move away from the vicinity of the accident or emergency, advise the passengers to follow the instructions the emergency services.
- 11 Report to company management about the incident.

HOW TO CHECK THE AUTOMATIC FIRE EXTINGUISHER SYSTEM



Make sure that Automatic Fire Extinguisher (System) pressure gauges are in the green area.

INSTRUMENT PANEL



- 1 Speedometer
- 2 Fuel Indicator
- 3 Display
- 4 Menu Selection Buttons
- 5 Odometer/trip
- 6 Temperature Indicator






MENU SELECTION BUTTONS INSTRUMENT PANEL






- Use the selection buttons to switch between screens. The selected screen is only displayed for 3 seconds, after which it returns to the main screen.
- Use button "A" to reset the odometer.
- Use button "B" or "C" to switch to the brake pad screen.
- Use button "B" or "C" to display the battery voltage.
- Use button "B" or "C" to display the vehicle's software information.


























Note: Buttons "B" and "C" are used to navigate through the menus.


- Use button "D" to increase the screen brightness and button "A" to decrease it. This setting is valid except for the diagnostic screens.

REGENERATION TELL TALES

Left Turn Signal	Park Brake Active	Low Beam Active	High Beam Active	ESC Active	
					Ambient Light Sensor
G	R	G Y	B	Y	

Stop Warning	Engine Failure	ABS Failure	Retarder Warning	Brake Air Pressure Warning	Right Turn Signal
STOP					
R	Y R	Y R	Y R	G R	Green

	Diesel Exhaust Fluid (DEF) Low		Engine Oil Pressure Low		Electronic Stability Control (ESC) Active
	Engine Coolant Level Low		Lane Departure Warning System (LDWS) Active		Anti-Slip Regulation (ASR) Active
	Interior Heating Active		Lane Departure Warning System (LDWS) Warning		Fuel Indicator
	Mirror Heating Active		Engine Brake Level 1		S brake pedal active (canada option)
	Seat Belt Warning		Engine Brake Level 2		Gear Indicator (N,R,1,2,3,4,5,6)
	Air Conditioner Active (Cool)		Engine Brake Level 3		Adaptive Cruise Control (ACC) Active
	Kneeling & Lifting Active		Anti-Lock Braking System (ABS) Warning		Front Brake Air Tank Pressure Low
	Handicapped Lift Activated		Front Fog Light Active		Front Brake Air Tank Pressure Normal
	Retarder Active		Position Lights Active		Rear Brake Air Tank Pressure Low
	Foot Retarder Disable		ECAS Yellow Warning		Rear Brake Air Tank Pressure Normal
	24V Battery Low		Diesel Preheating Active		Engine Coolant Temperature High



An illuminated DPF lamp indicates that the aftertreatment diesel particulate filter needs to be regenerated at the next changing opportunity.

SOLID

This can be accomplished by:

- Change to a more challenging duty cycle, such as highway driving, for at least 20 minutes.
- Perform a Manual regeneration.



FLASHING

A flashing DPF lamp indicates that the aftertreatment diesel particulate filter needs to be regenerated at the next possible opportunity. Engine power may be reduced automatically.

When this lamp is flashing, the operator should:

- Change to a more challenging duty cycle, such as highway driving, for at least 20 minutes.
- Performing a Manual regeneration.



FLASHING

A flashing DPF lamp combined with an illuminated WARNING or CHECK ENGINE lamp indicates that the aftertreatment diesel particulate filter needs be regenerated immediately. Engine power will be reduced automatically. When these lamps are illuminated, a Manual regeneration is required.



FLASHING

The STOP ENGINE lamp indicates, when illuminated, the need to stop the engine as soon as it can be safely done. The engine must remain shut down. If the STOP ENGINE lamp begins to flash, the engine will automatically shut down after 30 seconds. The flashing STOP engine lamp alerts the operator to the impending shutdown.

MANUAL REGENERATION

To perform a manual regeneration, follow the steps listed:

- Select an appropriate location to park the vehicle (such as clean concrete or gravel, not grass or asphalt).
- Park the vehicle away from anything that can burn, melt or explode.
- Park the vehicle securely. Transmission should in N. Set wheel chocks at front and rear of at least one tire.
- Keep a fire extinguisher nearby. Check the exhaust system surfaces. Confirm that there is no tools, rags, grease or debris around the exhaust system and exhaust system surface.
- Verify the following conditions:
 - A/C and other accesories should be turned off.
 - The brake pedal is released.
 - Tranmission should in N (Neutral).
 - Vehicle is steady.
 - Throttle and brake pedal should be released.
- Initiate the Manual regeneration by pressing and holding the DPF Regen Force switch min 6 seconds which is mounted above the DPF tank located at the rear right second side lid.
 - Once the manual regeneration is initiated, the engine idle speed will increase, and turbocharger noise will increase.
 - The High Exhaust System Temperature Lamp may illuminate during the manual regeneration to demonstrate high exhaust temperature .
 - When the engine ECM detects that the aftertreatment diesel particulate filter has been regenerated, the engine will automatically return to normal Idle speed will automatically return to normal idle speed when manual regeneration is completed.

LEFT CONTROL PANEL



- ① Emergency Stop Switch
- ② Ignition On/Off Switch
- ③ Engine Start Switch
- ④ Central Locking Switch
- ⑤ Blind Left Switch
- ⑥ Blind Right Switch
- ⑦ Steering Control Switch
- ⑧ ASR Disable Switch
- ⑨ Side Light Disable
- ⑩ Kneeling/Lifting Switch
- ⑪ ACC Enable/Disable Switch
- ⑫ Cruise Control Speed Adjustment Switch
- ⑬ CC Adjust Switch
- ⑭ Video Event Switch
- ⑮ Elm Set/Reset Switch
- ⑯ Tag Axle Unloading Enable
- ⑰ Handicapped Lift Switch
- ⑱ Engine Brake On / Off Switch
- ⑲ Engine Brake Level Switch
- ⑳ Horn Switch
- ㉑ Dimmer Switch
- ㉒ Front Fog Switch
- ㉓ Low Beam Clearance Switch

RIGHT CONTROL PANEL



- 1 Hazard Light Switch
- 2 LDW Enable / Disable Switch
- 3 Lamp Test Switch
- 4 Aisle Light Switch
- 5 Driver Light Switch
- 6 Interior Light Switch
- 7 Reading Light Switch
- 8 Night Light Switch
- 9 Luggage Light Switch
- 10 Tire Pressure Gauge
- 11 Front Door Switch
- 12 Air Conditioner Control Panel
- 13 Media Player



- 1 Air Blower Direction Buttons
- 2 Blows To Windshield
- 3 Blows To Face Section
- 4 Blows To The Foot Area And Windshield
- 5 Fan Speed Control Button
- 6 Temperature Control Button

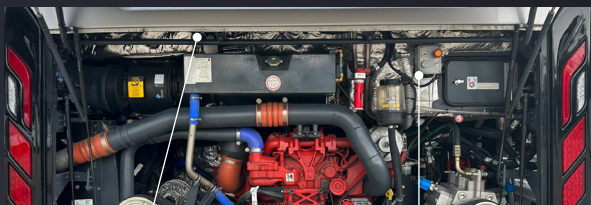
LATERAL CONTROL PANEL



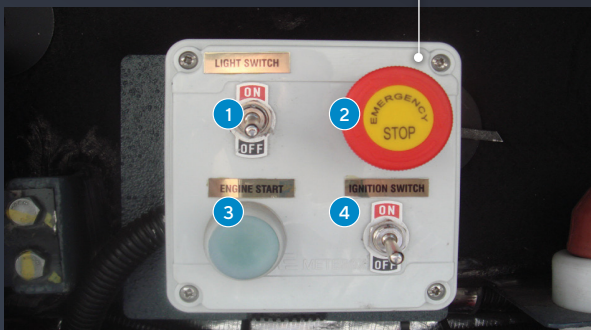
- ① Mirror Control
- ② Parking Brake
- ③ 12 V Power
- ④ Cup Holder
- ⑤ Document Case
- ⑥ Emergency Parking Brake
- ⑦ HDMI



- ① Lower Lumbar Support Adj.
- ② Upper Lumbar Support Adj.
- ③ Height Adjustment
- ④ Vertical Shock Absorber Adj.
- ⑤ Quick Release



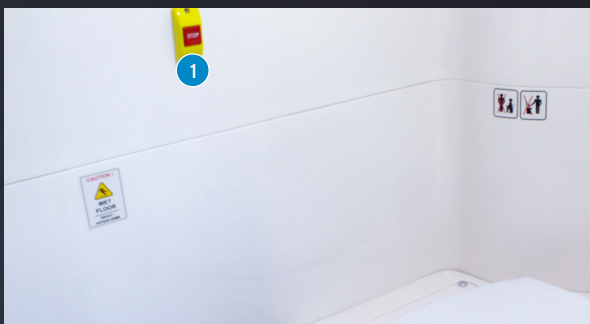
- ① DPF Regen Enable Switch
- ② DPF Regen Force Switch



- ① Illumination Light Switch
- ② Engine Start Switch
- ③ Emergency Stop Switch
- ④ Ignition Switch



- ① Front Door Open/Close Button
- ② Locking Lever



1 Restroom Emergency Switch



1 Main Battery Switch



SERVICE NUMBERS

TEMSA NORTH AMERICA

833 NA TEMSA (833-628-3672)

In an emergency, customer may contact with a Temsa NA Customer Care Services 24/7

CUMMINS SERVICE

800-CUMMINS (800-286-6467)

In an emergency, customer may contact with a Cummins Local Dealer or Temsa NA Customer Care Services.

This brochure provides a quick guide to some important operating features and safety issues. It is not intended to replace the User Manual or Service Manual, where a more complete description of operating and safety issues for this vehicle can be found. For additional information operators can contact the engine manufacturer (Cummins) or Temsa at the phone numbers indicated in this brochure.

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