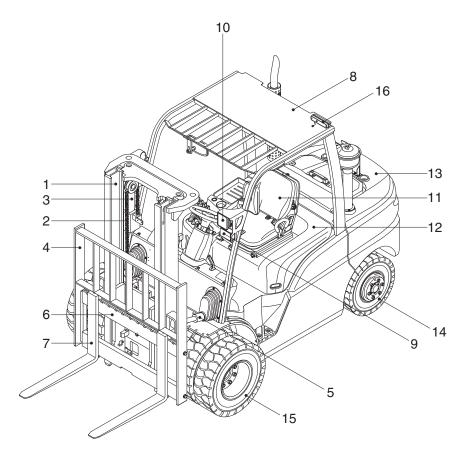
3. KNOW YOUR TRUCK

1. GENERAL LOCATIONS

35D/40D/45D-9S, 50D-9SA



- 1 Mast
- 2 Lift chain
- 3 Lift cylinder
- 4 Backrest
- 5 Tilt cylinder
- 6 Lift bracket

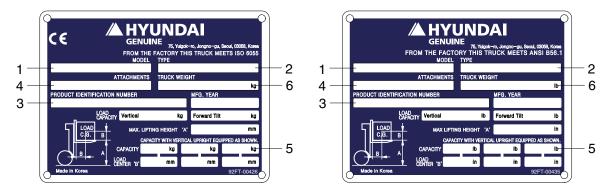
- 7 Forks
- 8 Overhead guard
- 9 Turn signal lamp
- 10 Head lamp
- 11 Operator's seat
- 12 Bonnet

- 13 Counterweight
- 14 Rear wheel
- 15 Front wheel
- 16 Rear combination lamp

35D9SOM54

2. DATA/SAFETY PLATES AND DECALS

1) TRUCK DATA AND CAPACITY PLATE



(1) Truck model number or registered name

(2) Truck type

The type is indicated a type of the truck such as diesel, LPG or battery.

(3) Truck serial number

An identification number assigned to this particular truck and should be used when requesting information or ordering service parts for this truck from your authorized HYUNDAI dealer. The serial number is also stamped on the frame.

(4) Attachment description (If any installed)

The user must see that the truck is marked to identify the attachment (s), including the weight of the truck/attachment combination and truck capacity with the attachment.

(5) Capacity rating, load center, and lifting height data

Shows the maximum load capacity of this truck with relation to load centers and fork heights (See diagram on plate). Personal injury and damage to the truck can occur if these capacities are exceeded.

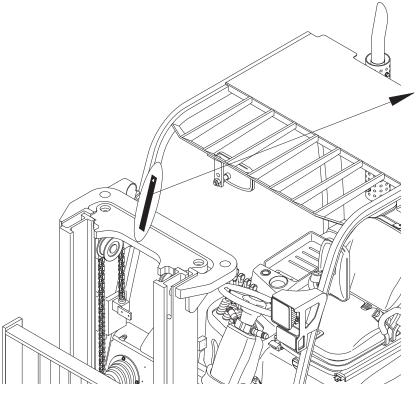
Do not exceed the maximum capacity specified.

(6) Truck weight

The approximate weight of the truck without a load on the forks. This weight plus the weight of the load must be considered when operating on elevators, elevated floors, etc. to be sure they are safe.

▲ Before modifications that affect the stability of safety systems are made written approval from HYUNDAI. Contact your authorized HYUNDAI dealer for a new nameplate showing the revised capacity.

2) OPERATOR SAFETY WARNING DECAL



35D9SOM59K

▲ Safety and warning decals are placed in conspicuous locations on the truck to remind you of essential procedures or to prevent you from making an error that could damage the truck or possibly cause personal injury. You should know, understand, and follow these instructions. Safety and warning decals. Should be replaced immediately if missing or defaced(Damaged or illegible). Refer to your Service manual for the location of all decals.

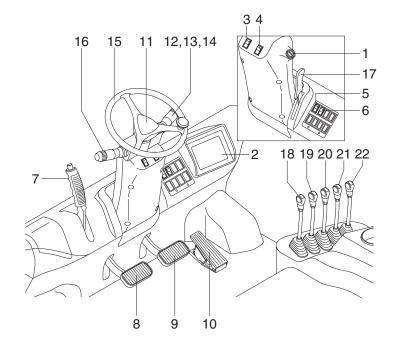
▲ Operator/Tip-over warning decal

This decal is located on the front right hand leg of the drivers overhead. Its purpose is to remind the operator that staying in the seat provides the best chance of avoiding injury in the event of a truck-tipping or driving off a dock mishap.

Lift trucks can be tipped over if operated improperly. Experience with lift truck accidents has shown that the driver cannot react quickly enough to jump clear of the truck and overhead guard as the truck tips. To protect operators from severe injury or death in the event of a tip over, it is best to be held securely in the seat. So, please, always buckle up when driving your lift truck.

35D9SOM09A

3. INSTRUMENTS AND CONTROLS



35D9SOM64TK

- 1 Start switch
- 2 Cluster
- 3 Hazard lamp switch (opt)
- 4 Parking switch
- 5 Auto shift switch
- 6 Work lamp switch (opt)
- 7 Parking brake lever
- 8 Inching pedal

- 9 Brake pedal
- 10 Accelerator pedal
- 11 Horn button
- 12 Head lamp switch
- 13 Illumination lamp
- 14 Turn signal switch
- 15 Steering wheel
- 16 Forward-reverse lever

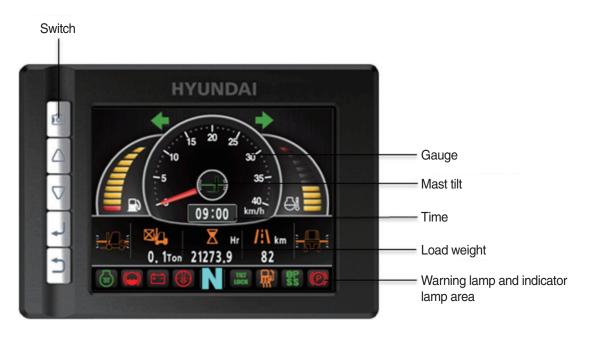
- 17 Steering column adjust lever
- 18 Lift lever
- 19 Tilt lever
- 20 Attach lever 1 (opt)
- 21 Attach lever 2 (opt)
- 22 Attach lever 3 (opt)
- \triangle Familiarize yourself with the controls and follow safe operating procedures.

4. CLUSTER

1) STRUCTURE

Like following figure, cluster is consisted of LCD and switch. LCD will indicate the operation and abnormal status of vehicle to the driver in order to use and maintenance.

Also, LCD allows to set and indicate the various modes, monitoring, and gadgets.



35D9SCL001

2) GAUGE

(1) Operation screen

Operating screen will be displayed if turn on the ignition switch.



35D9SCL002K

- 1 Speed meter
- 2 Fuel indicator

- 3 Coolant temperature indicator
- 4 Clock

(2) Speed meter

- ① Display the trip speed of vehicle.
- 2 Speed unit is km/h or mile.
- * Speed unit can be set in the speed unit menu of display set up.



km/h



mile

35D9SCL003K

(3) Fuel indicator



Display the remains of fuel tank.

② If the indicator point to the red zone, or warning lamp **m** will be lit up in red, please refuel.

(4) Coolant temperature indicator



- 1 Display the coolant temperature.
 - \cdot While zone : 40 ~ 120°C
 - · Red zone : Over 120°C
 - · Warning lamp on : Over 115°C
- ② If the gauge points to the red zone, or warning lamp 🛃 is on, please stop the engine and inspect the coolant system.

(5) Clock



- 1 Display current time.
- ② You can enter current time at display Set Up > Time Set Up menu.

3) WARNING LAMP AND INDICATOR LAMP



35D9SCL007K

* Warning and Indicator lamp will display only items that were set as ON, and all warning and indicator except fuel level warning and coolant temperature warning will be displayed in order from the left of screen.

(1) Fuel level warning lamp



Warning lamp will be displayed if fuel level is low.
 Please refuel immediately if the lamp is on.

(2) Coolant temperature warning lamp



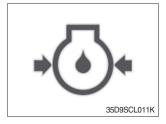
- ① Coolant temperature warning will be lit up when temperature is over 115°C.
- ② If the warning lamp is on continuously, please inspect the coolant system.

(3) Expendables replacement indicator lamp



- ① Light up if expendables which must be replaced are exist.
- ② The indicator will light up only 3 minutes since KEY ON, and then light off.
- ③ Please check the expendables management list in maintenance menu.

(4) Engine oil pressure warning lamp



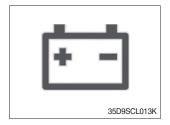
This warning lamp will be lit up when engine oil pressure is low.
 Stops the engine immediately if the warning lamp is lit up.
 Please check the engine oil.

(5) Engine inspection warning lamp



- ① This warning lamp will be lit up if the engine ECM sends a failure code to cluster or receives the signal.
- 2 Check the failure code of cluster.

(6) Battery charge warning lamp



This warning lamp is lit when battery charging voltage is low.
 Please inspect the battery charging circuit if the warning lamp is lit.

(7) Air cleaner warning lamp



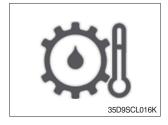
This warning lamp is lit when air cleaner filter is clogged up.
 Please clean up or replace the filter.

(8) Engine warm-up Indicator lamp



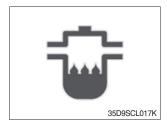
① If the ignition is on, the warm-up will be started. Please start the engine after Indicator lamp is turned off.

(9) TM oil temperature warning lamp



- ① Transmission oil temperature warning is consisted of two indications.
 - \cdot 110°C or higher : Amber is light up
 - · 120°C or higher : Red is flashing
- ② When this lamp light up during operation, stop the engine and check the machine.

(10) Water in fuel indicator lamp



Light up when water in fuel.
 Stop the engine and please drain the water of water separator.

(11) OPSS Indicator lamp



Light up if driver leave seat during operation.
 Machine driving and control will be blocked if lamp is lit up.

(12) Parking indicator lamp



① Light up when parking brake is ON.

(13) Tilt lock Indicator lamp



- ① The Indicator lamp will be lit up if the tilt lock switch (optional) is entered.
- ② Tilt action will be limited if this Indicator lamp is lit up and the mast is located at 90 degrees.

(14) Communication error warning lamp



- ① This warning lamp will be lit up if the communication with MCU is fail.
- ② Please check the communication line if the warning lamp is lit up.

(15) Maximum speed warning indicator lamp



- ① This Indicator lamp is lit up on the middle of screen if vehicle speed is exceeded maximum speed that was set.
- ② Alarm buzzer will ring every two seconds.
- 3 Alarm will go off if the speed goes down below set up speed.

(16) Brake oil level warning lamp



- ① Warning lamp will be displayed if brake oil is low of reservoir tank.
- ② Please refill immediately if the lamp is on.

(17) Clutch protection warning lamp (or T/M oil warning)



- ① Warning lamp will be displayed if clutch protection system operating or transmission oil is low.
- O Please refill immediately if the lamp is on.

4) INFORMATION DISPLAY



(1) Mast front/rear tilt (optional)

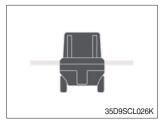


① Display the real time tilt of mast.

(2) Vehicle front/rear tilt



(3) Vehicle left/right tilt



- ① Display the front/rear tilt of vehicle in real time.
 - Stop : Tilt angle is higher than 2.3° then the red warning symbol.
 - Driving : Tilt angle is higher than 10.2° then the red warning symbol.
- ① Display the left/right tilt of vehicle in real time.
 - Stop : Tilt angle is higher than 3.4° then the red warning symbol.
 - Driving : Tilt angle is higher than 24.2° then the red warning symbol.

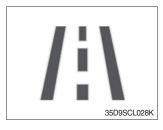
(4) Load weight (optional)



① Display the load weight.

② Screen will display blurry if the weight sensor has not been mounted.

(5) Total trip distance



Display total trip distance of vehicle.
 Unit of distance is kilometer.

(6) Operation time



Display the used time of vehicle.
 Icon will be changed as follow if starts ignition.



35D9SCL030K

(7) Explanation of warning lamp and indicator lamp





35D9SCL031K

- ① Explanation will be displayed if press the arrow (refer to page 3-17) while warning lamp or indicator lamp is on.
- ⁽²⁾ Explanation for warning lamp or indicator lamp that are shown on the screen will be displayed if press the arrow continuously.

5) DRIVING INDICATOR LAMP



35D9SCL032K

(1) Neutral



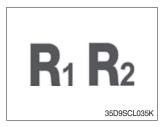
① This Indicator lamp will be lit up when direction lever is located in neutral.

(2) Forward



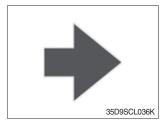
This indicator lamp is displayed if the forward gear is selected.
 First gear will be displayed as F₁, and second gear will be displayed as F₂.

(3) Reverse



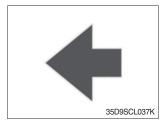
This indicator lamp is displayed if the reverse gear is selected.
 First gear will be displayed as R₁, and second gear will be displayed as R₂.

(4) Right turning pilot lamp



1 This pilot lamp will flash if turns on the right turn signal.

(5) Left turning pilot lamp



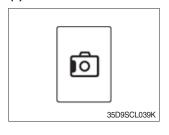
This pilot lamp will flash if turns on the left turn signal.

6) SWITCH



35D9SCL038K

(1) Camera

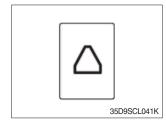


① This switch displays rear camera images. (if the camera is mounted)



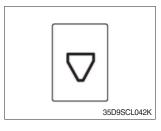
35D9SCL040K

(2) UP/Left



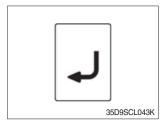
① This switch is used to move upward or leftward in menu or increase the value.

(3) Down/Right



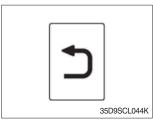
① This switch is used to move downward or rightward in menu or decrease the value.

(4) Select



This switch is used to enter into the menu or to select.

(5) Cancel (ESC)



① This switch is used to cancel or move to upper menu.



35D9SCL045

7) MAIN MENU



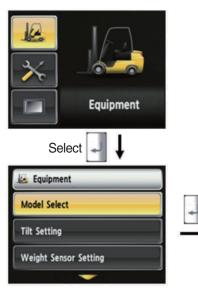
A menu consists of main menu and sub-menu.

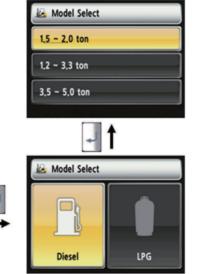
35D9SCL046

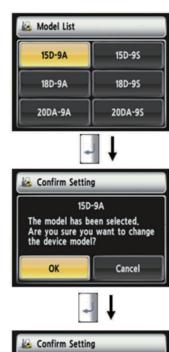
(1) Structure

No	Main menu	Sub menu	Explanation	
1	Equipment	Model select Vehicle tilt Initialize Weight sensor setup Ignition control setup Camera setup Auto-shift speed setup DCSR speed setup Maximum speed warning	Diesel, LPG Vehicle tilt Initialize Enter the cylinder cross section area , Adjust load weight, Weight display setup Ignition control, Change password Interoperate with reverse gear 1st gear-> Switching speed to 2nd gear, 2nd gear -> Switching speed to 1st gear DCSR On, Block driving speed, Restore driving speed Maximum speed warning	
2	Maintenance	MCU Monitor information Failure History Expendables management I/O Information A/S Contact	MCU/Monitor Information Current engine failure, Engine failure history Change oil and filter replacement cycle Analog Input, Digital input/output Change A/S contact	
3	Image: Setting	LCD Brightness Time Setup Unit Setup Language Setting	Automatic, Manual Clock Speed, Weight, Temperature, Pressure, Date type Korean, English	

(2) Model select







Confirm Setting
The Model Select has been completed.
AI
th
OK
Cancel

- \cdot How to select the model
 - 1. Device setup > Model select
 - 2. Please select the fuel type.
 - 3. Please select the vehicle weight level.
 - 4. Please select the exact model name.
 - 5. Selection will be cancelled if press the cancel button or ESC switch.
 - * To use full function of vehicle, exact model must be selected.

35D9SCL047

(3) Initialize vehicle tilt

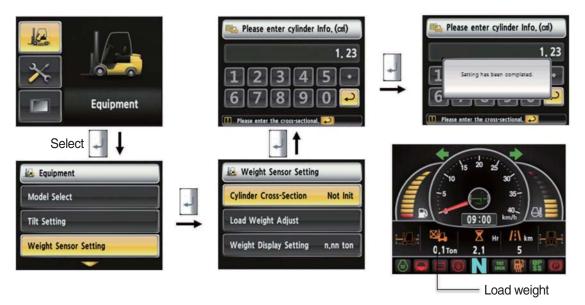


35D9SCL048

· Initialize vehicle tilt

- 1. The tilt sensor has already been initialized when deliver the vehicle from factory.
- 2. Initialize vehicle tilt if the tilt sensor figure or vehicle tilt is not horizontal in the flatland. Vehicle set up > Initialize vehicle tilt
- 3. You must set tilt in the flatland since this is a horizontal set up.
- 4. If tilt sensor for mast is mounted (optional), locates the mast vertically.
- 5. Mast maximum angle depends on the vehicle.

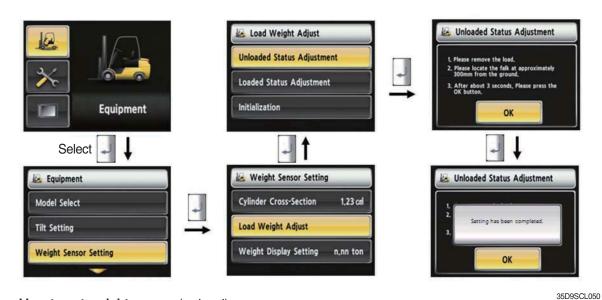
(4) Weight sensor set up



35D9SCL049

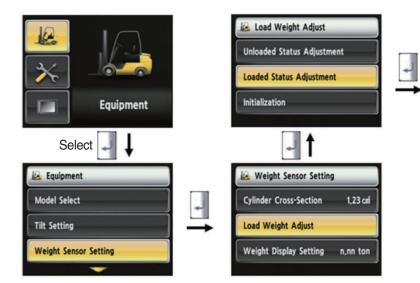
· How to set weight sensor

- 1. The weight sensor has already been set when deliver the vehicle from factory.
- 2. Device setup > Weight sensor setup
- 3. There are three ways to setup. (unload, load, initialization)
- 4. A cylinder cross sectional area value will be displayed in initial screen, please enter the cross sectional area using △ ▽ shift and ⊋ select button if there are changes.
- 5. Please finish setup using particular enter button when input is done.



How to set weight sensor (unload)

- 1. Device setup > Weight sensor setup
- 2. The way to adjust the no-load weight is as follow
- 3. First, please select the no-load adjust.
- 4. Wait 3 seconds after lifting no-load fork approximately 30 cm from the ground level, then press OK button.



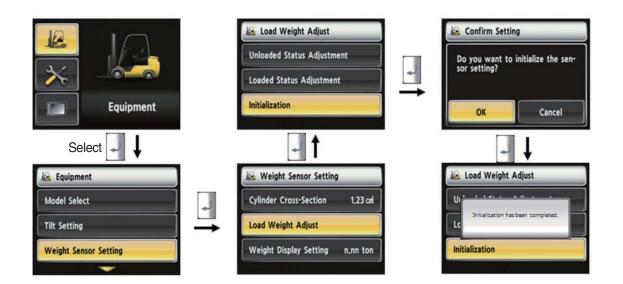


- · How to set weight sensor (load)
 - 1. Device Setup > Weight Sensor Setup
 - 2. The way to adjust the load weight is as follow
 - 3. First, please select the load adjust.
 - 4. Please enter user password.
 - 5. Please enter load weight.
 - 6. Please locate the loaded fork approximately 30 cm from the ground level.
 - 7. If set is completed, the screen will be switched automatically.
 - 8. Please proceed the operation within 30 seconds.
 - 9. Operating will be cancelled automatically if the time is elapsed longer than 30 seconds



35D9SCL051

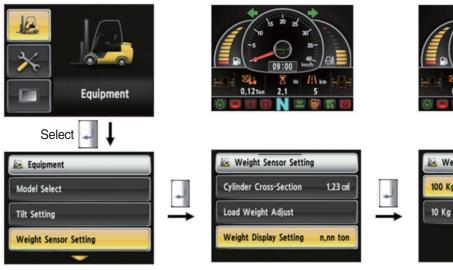
35D9SCL052



How to set weight sensor (initialization)

1. Initialize Menu calculates the weight using only cylinder cross sectional area and no-load setting.

(5) Weight setup



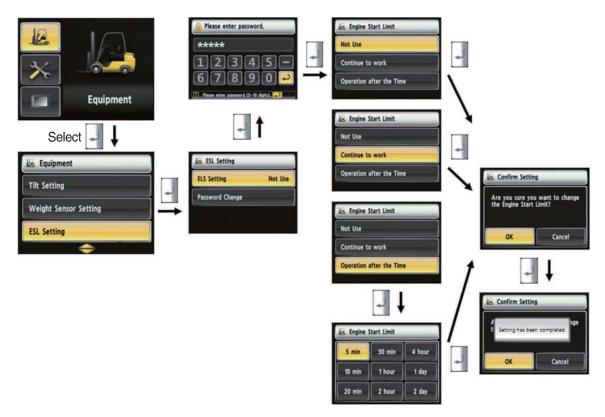




35D9SCL053

- How to set weight display
 - 1. Enable to adjust the digit-number of weight of main screen.
 - 2. Weight will be displayed as 1.5 tons if set as 100 kg unit.
 - 3. Weight will be displayed as 1.52 tons if set as 10 kg unit.

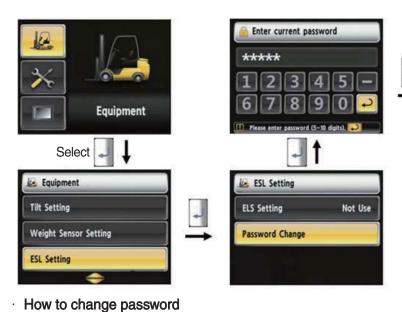
(6) Ignition control



35D9SCL054

- · How to set ignition control
 - 1. Device Setup > Ignition control
 - 2. Password request screen will be displayed if you select the menu. Default password is "00000".
 - 3. Password length must be longer than 5 digit and less than 10 digit.
 - 4. Next step is allowed only if password is authenticated.

(7) Change password



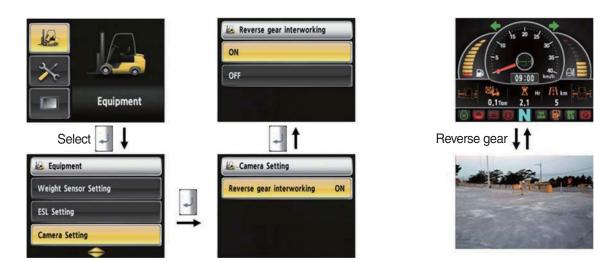


- 1. Device setup > Ignition control setup
- 2. Change password
- 3. This function is to allow to change password from default password to user defined password.
- 4. Password length must be longer than 5 digits and less than 10 digits.
- 5. Since, if you forget the password, you must request the A/S, do not forget the password.

Retype new password

35D9SCL055

(8) Camera setup

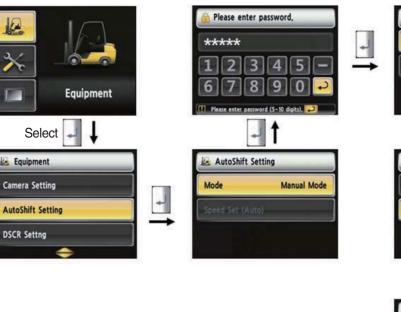


35D9SCL056

· How to set camera

- 1. Device setup > Camera setup
- 2. After set the reverse gear interoperation as ON, the screen will be changed from main screen to camera mode if put gear into reverse, and if the gear is changed, screen will be back to the main screen.

(9) Auto-shift setup



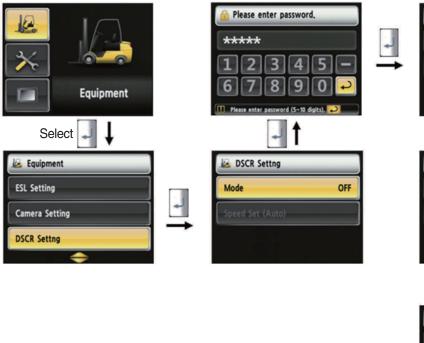


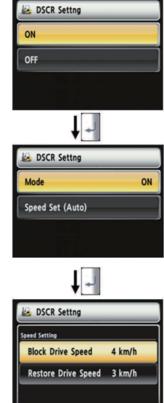
35D9SCL057

· How to set auto-shift

- 1. Device Setup > Auto-Shift setup
- 2. User password is required in order to set this function.
- 3. In automatic mode, the gear is switched automatically by vehicle speed.
- 4. Enable to set the gear switching speed.

(10) DCSR Setup



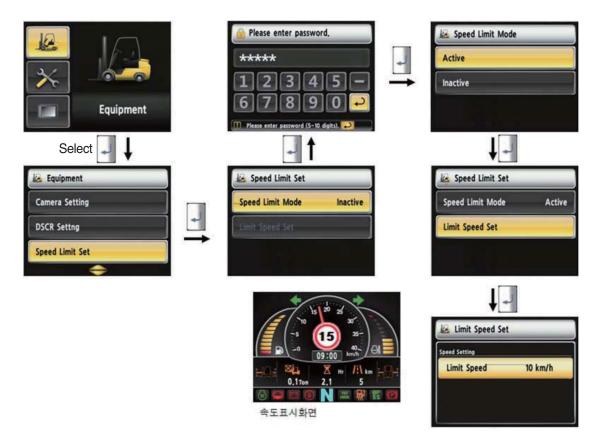


35D9SCL058

· How to set DCSR

- 1. Device setup > DCSR setup
- 2. User password is required in order to set this function.
- 3. If the setting is ON, driving will be blocked if the driving speed is over the specified speed.
- 4. Driving will be continued if the driving speed is not over the specified speed.
- * DCSR : Direction change shock relief

(11) Driving speed warning setup

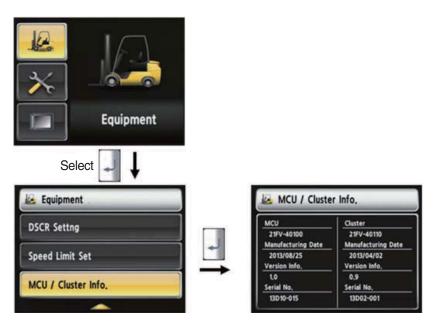


35D9SCL059

· How to set driving speed warning

- 1. Device Setup > Driving speed warning
- 2. User password is required in order to set this function.
- 3. If alarm is set as enable, setting speed will be displayed on the screen, and the buzzer rings every 2 seconds.

(12) MCU/Monitor information

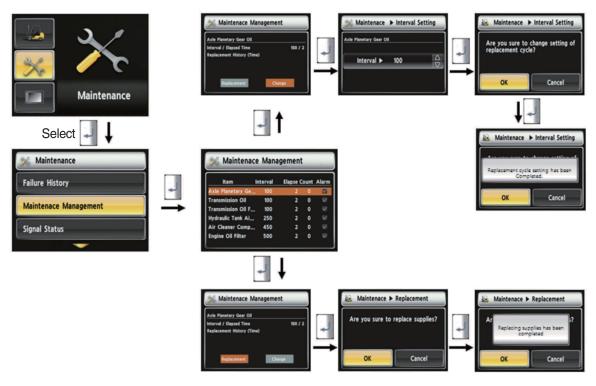


35D9SCL060

· MCU / Monitor information

- 1. Device Setup > MCU/Monitor information
- 2. MCU, manufactured date and version of monitor, and serial number will be displayed.

(13) Expendables replacement management

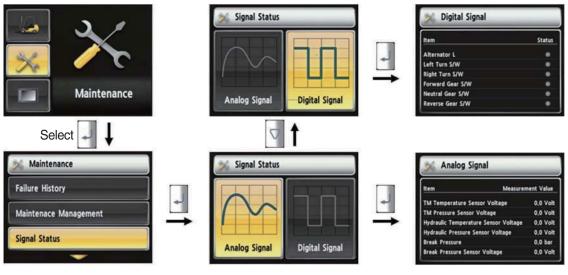


35D9SCL061

· How to replace expendables

- 1. Device setup > Expendables management
- 2. If the expendables replacement cycle has been passed, alarm will be displayed as ON
- 3. Press the "Expendables replacement" if replaced the expendables.
- 4. Information about recent replacement (max. 9) will be displayed.
- 5. If you want to change the cycle, please press the "Change cycle" button.

(14) I/O Information

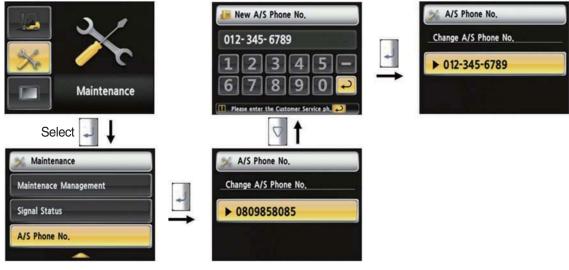


35D9SCL062

· How to set I/O information

- 1. Maintenance > I/O information
- 2. I/O information can be classified as two signals. Analog signal can see the numeric data. Digital signal can indicate only ON/OFF.
- 3. User can change the cycle.

(15) A/S Contact Setup

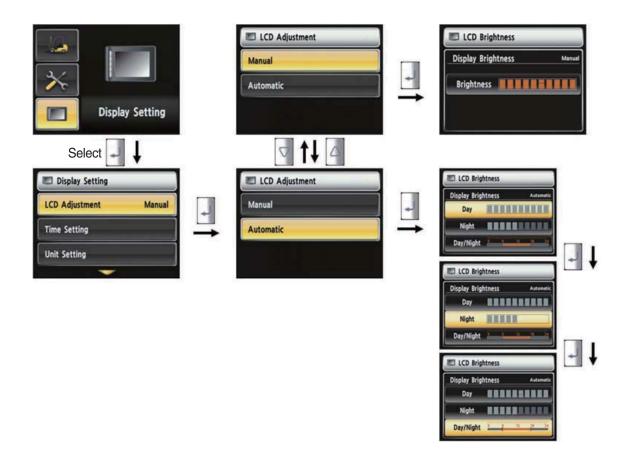


35D9SCL063

· How to set A/S contact

- 1. Maintenance > A/S Contact
- 2. User can change the A/S contact when deliver the vehicle from factory.
- 3. If user moves numeric number using arrow, and press the \square select button, number will be displayed on the screen.
- 4. If user press the P enter key, the value will be set.
- 5. Contact will be displayed as the modified value.

(16) LCD brightness

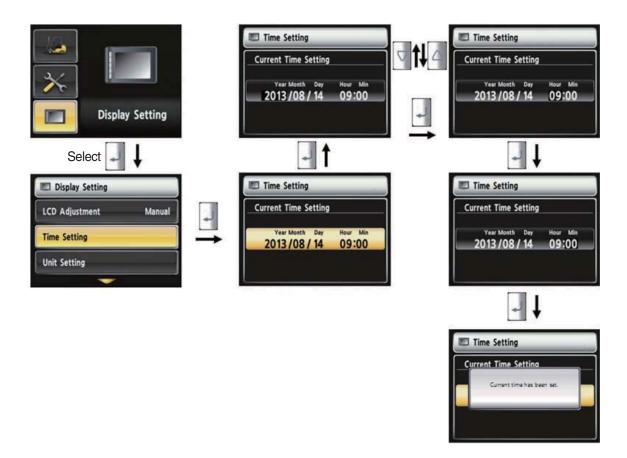


35D9SCL064

· How to set LCD brightness

- 1. Display > LCD brightness
- 2. LCD brightness has two options. Automatic mode and manual mode.
- 3. Manual mode always keeps the selected brightness.

(17) Time setup



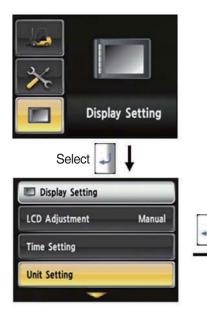
35D9SCL065

· How to set current time

- 1. Display setup > Time setup
- 2. Enable to set the time that is displayed in main screen.
- 3. Set time in following order. (year > month > day > hour > minute)

(18) Unit setup

· Unit setup



1. Display setup > Unit setup

Display Setting

Manual

displayed on screen.

setting unit.

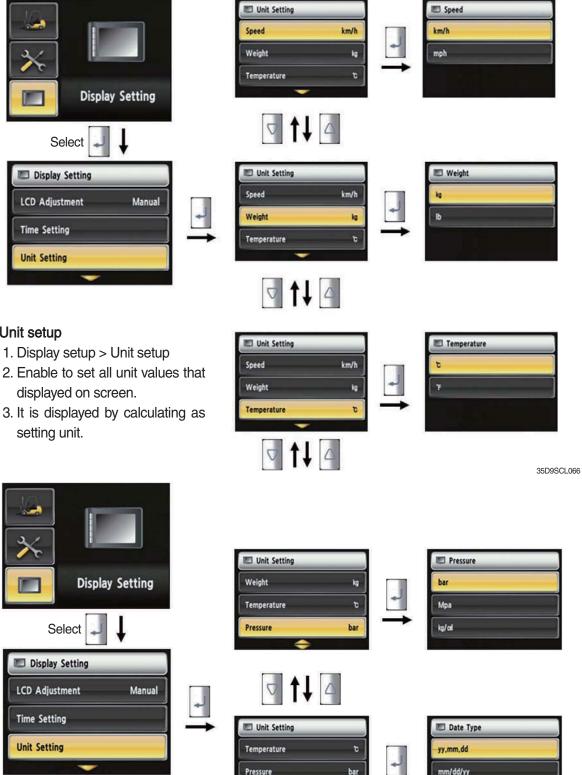
Select

Display Setting

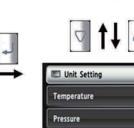
LCD Adjustment

Time Setting

Unit Setting



35D9SCL067



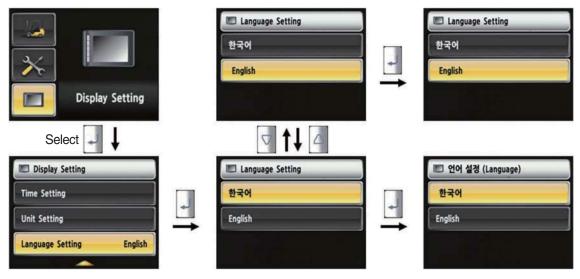
Date Type

bar

yy.mm.dd

mm/dd/yy dd-Mar-yy

(19) Language setup



35D9SCL068

- · How to set language
 - 1. Display Setup> Language setup
 - 2. Language setup changes the language that is displayed on the screen to language that user defined.
 - 3. Currently, supported language is Korean and English.

8) CAUSES AND CORRECTION OF CLUSTER WARNING LAMP

S/No.	Warning lamp types	Symbol	Warning and indicator lamp	Causes and correction
1	Engine oil pressure warning	•	Engine oil pressure warning lamp	Engine oil pressure is low. Please the engine oil refill.
2	Engine warm-up indicator	3	Engine warm-up indicator lamp	Warm-up will be started.
3	Air cleaner warning		Air cleaner warning lamp	Replace the filter.
4	Water in fuel warning		Water in fuel warning lamp	Please drain the water of water separator.
5	Engine check warning	CHECK	Engine check warning lamp	Check the failure code of cluster.
6	TM oil temperature warning	Yellow 🚺	TM oil temperature warning lamp	TM oil is over temperature condition.
7	Parking brake indicator lamp	(P)	Parking brake indicator lamp	Parking brake is operating.
8	Brake oil level warning		Brake oil level warning lamp	Brake oil level is low. Please the brake oil refill.
9	Battery charging warning	•	Battery charging warning lamp	Charging the battery is bad. Please check alternator and wiring.
10	Tilt lock indicator	TILT Lock	Tilt lock indicator lamp	Auto-leveling is the operational status.
11	OPSS indicator	OPSS	OPPS indicator lamp	OPPS is working. Blocking driving or operation of the device.
12	Fuel warning		Fuel warning lamp	Fuel level is low. Please the diesel oil refill.
13	Coolant temperature warning	\ominus I	Engine coolant temperature warning lamp	Engine coolant is over temperature condition.
14	T/M oil warning or clutch protection	-	T/M oil warning lamp	Clutch protection system operating or TM oil level is low. Please the T/M oil refill.
15	Cummunication error warning	COMM ERROR	Cummunication error warning lamp	Communication with MCU is fail condition. Check communication line.
16	LH Turn indicator	+	LH Turning pilot lamp	-
17	RH Turn indicator		RH Turning pilot lamp	-

S/No.	Warning lamp types	Symbol	Warning and indicator	Causes and correction
18	Forward first gear	F ₁	Forward first gear indicator lamp	-
19	Forward second gear	F ₂	Forward second gear indicator lamp	-
20	Reverse first gear	R 1	Reverse first gear indicator lamp	-
21	Reverse second gear	R 2	Reverse second gear indicator lamp	-

4. CLUSTER

1) STRUCTURE

Like following figure, cluster is consisted of LCD and buttons. LCD will indicate the operation and abnormal status of truck to the driver in order to use and maintenance. Also, LCD allows to set and indicate the various modes, monitoring, and gadgets.

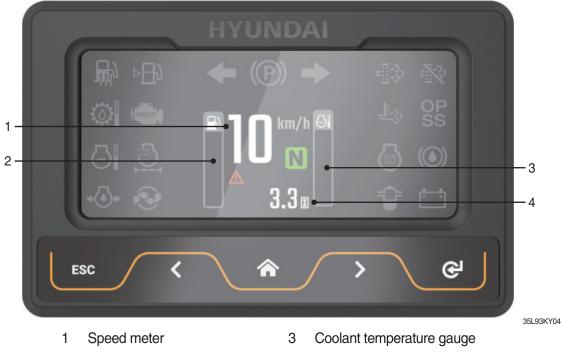
- * The cluster installed on this truck does not entirely guarantee the condition of the truck. Daily inspection should be performed according to chapter 7. PLANNED MAINTERNACNE AND LUBRICATION.
- * When the cluster provides a warning immediately check the problem, and perform the required action.



2) GAUGE

(1) Operation screen

Operating screen will be displayed if turn on the start switch.



2 Fuel gauge

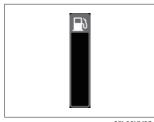
Operating time 4

(2) Speed meter

It indicates the speed of truck and is calibrated in kilometer per hour (km/h) or miles per hour (mph).

* Speed unit can be set in the speed unit menu of display set up at page 3-37-19.

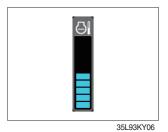
(3) Fuel gauge



- · Fuel gauge displays the approximate amount of fuel remaining in the fuel tank.
- · It shall be obtained fuel as soon as warning lamp \bowtie lights on.

35L93KY05

(4) Coolant temperature gauge



(5) Clock



- · It indicates the temperature of the engine coolant.
 - White zone : 40 ~ 120 °C (104 ~ 248 °F)
 - Red zone : Over 120 °C (248 °F)
 - Warning lamp on : Over 115 °C (239 °F)
- · If the gauge display in the red zone, or warning lamp 🔄 comes on, please stop the engine and inspect the coolant system.

· It displays the usage time of the truck.

3) WARNING LAMPS



No.	Warning lamp			Warning lamp		
1	⊳⊟€	Fuel Level warning lamp	8	\bigcirc	Transmission oil temperature warning lamp	
2		coolant temperature warning lamp	9		Air cleaner fitler warning lamp	
3	•	Engine oil pressure warning lamp	10		DPF regeneration warning lamp (null)	
4	1	Water in fuel warning lamp	11		DPF inhibit warning lamp (null)	
5	СНЕСК	Engine check warning lamp	12	L.S.	DPF high temperature warning lamp (null)	
6	- +	Battery charge warning lamp	13		Brake oil level warning lamp	
7	COMM ERROR	Communication error warning lamp				

* Warning and indicator lamp will display only items that were set as ON, and all warning and indicator will be displayed in the left or right side of screen. And directional indicator lamp will display at the center.

(1) Fuel level warning lamp



- $\cdot\,$ Warning lamp will be displayed if fuel level is low.
- · Please refuel immediately if the lamp is on.

(2) Coolant temperature warning lamp



- $\cdot\,$ Coolant temperature warning will lit up when temperature is over 115 $^\circ\! {\rm C}$ (239 $^\circ\! {\rm F}).$
- If the warning lamp is on continuously, please inspect the coolant system.

(3) Engine oil pressure warning lamp



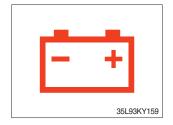
- $\cdot\,$ This warning lamp will be lit up when engine oil pressure is low.
- $\cdot\,$ Stop the engine immediately if the warning lamp is lit up.
- $\cdot\,$ Please check the engine oil.

(4) Engine check warning lamp



- If the lamp ligts ON, check the engine and a failure code of cluster. If you have a proper action, the lamp will turn off within 4 times of restart.
- · Check the failure code of cluster.

(5) Battery charge warning lamp



- $\cdot\,$ This warning lamp is lit up when battery charging voltage is low.
- Please inspect the battery charging circuit if the warning lamp lights up.

(6) Communication error warning lamp



- This warning lamp will be lit up if the communication between MCU and ECU is fail.
- · Please check the communication line if the warning lamp is lit up.

(7) Transmission oil temperature warning lamp



- Transmission oil temperature warning lamp will be lit up and flashing when temperature is 120 °C (248 °F) or higher.
- When this lamp lights up during operation, stop the engine and check the truck.

(8) Air cleaner filter warning lamp



- When the filter of the air cleaner that purifies the air supplied to the engine is clogged and a vacuum is generated inside, the switch is activated and turned on.
- · If the lamp is on, check the filter and clean or replace it.

(9) Brake oil level warning lamp



- This warning lamp wil be displayed if brake oil is low of reservoir tank.
- · Please refill immediately if the lamp lights up.

4) INDICATOR LAMPS

	- <u>1</u> 3 - R
<u>e</u> , 10	
•🔄 📀	
ESC <	> @

No.	Indicator lamp		No.	Indicator lamp	
1	Consumable replacement indicator lamp		5	OP SS	OPSS indicator lamp
2		Engine warming up indicator lamp	6	N	
3		Fuel warmer indicator lamp		F1 F2	Driving indicator lamp
4	(P)	Parking brake indicator lamp	8	++	

* Warning and indicator lamp will display only items that were set as ON, and all warning and indicator will be displayed in the left or right side of screen. And directional indicator lamp will display at the center.

(1) Engine warming up indicator lamp



- The truck senses the engine coolant temperature and warms up engine when needed.
- · When it is happening, the indicator lamp is ON.

(2) Fuel warmer indicator lamp



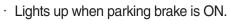
 $\cdot\,$ Light up when fuel warmer is operating. (Controlled by ECU)

(3) Consumable replacement indicator lamp



- · Lights up if consumables which must be replaced are exist.
- The indicator lamp will light up only 3 minutes since start switch ON, and then light OFF.
- Please check the consumables management list in maintenance menu.

(4) Parking brake indicator lamp





(5) OPSS indicator lamp



- · Lights up if driver leave seat during operation.
- · Truck driving and/or mast control will be blocked if lamp is lit up.
- * Please refer to page 0-8 for details.

(6) Driving indicator lamp

①Neutral



neutral.

2 Forward



$\cdot\,$ This indicator lamp is displayed if the forward gear is selected.

• First gear will be displayed as \mathbf{F}_1 , and second gear will be displayed as \mathbf{F}_2 .

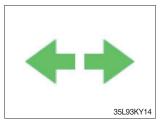
· This indicator lamp will be lit up when direction lever is located in

3 Reverse



 $\cdot\,$ This indicator lamp is displayed if the reverse gear is selected.

④ Right or left turning indicator lamp

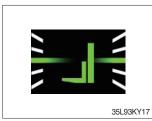


• This indicator lamp will flash if turns on the right or left turn signal.

5) INFORMATION DISPLAY (option)



(1) Mast front/rear tilt



· Display the real time tilt of mast.

(2) Truck front/rear tilt



- · Display the front/rear tilt of truck in real time.
- The red warning symbol turned on condition.
 Stop : Tilt angle is higher than 2.3°
 - Driving : Tilt angle is higher than 10.2°

(3) Load weight



- · Displays the weight of the cargo.
- · If the weight sensor is not attached, it is dimmed

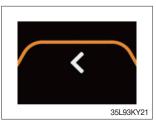
6) BUTTONS

(1) Enter (select)



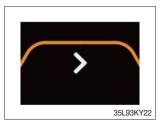
$\cdot\,$ This switch is used to enter into the menu or to select.

(2) UP/Left



 $\cdot\,$ This switch is used to move upward or leftward in menu or increase the value.

(3) Down/Right



• This switch is used to move downward or rightward in menu or decrease the value.

(4) Menu or Home



 \cdot This switch is used to enter into the menu or return to home.

(5) Cancel (ESC)



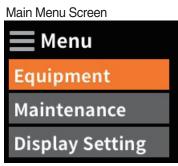
 $\cdot\,$ This switch is used to cancel or move to upper menu.

7) MAIN MENU

(1) Structure

A menu consists of main menu and sub-menu.





Sub-Menu Screen Equipment Model Select Weight Sensor S... ESL Setting

35L93KY25

35L93KY26

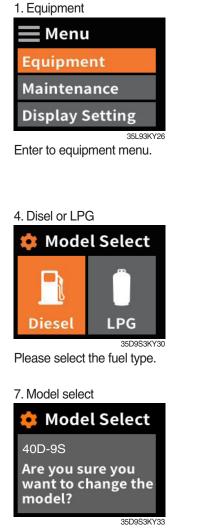
35L93KY27

No.	Main menu	Sub menu	Explanation
1	Menu Equipment Maintenance Display Setting	 Model select Tilt setting (option) Weight sensor setting (option) ESL setting DCSR setting HAC setting Vehicle max speed limit Clutch protection alarm Zero start setting Auto shift setting Information 	 Diesel, LPG Vehicle tilt Initialize Enter the cylinder cross section area, Adjust load weight, Weight display setup ESL setting, Engine start limit, Delay time DCSR on, Cut-off driving speed, Restore driving speed Maximum speed limitation Speed setting, Overlap time setting Cluster-Cl information
2	Menu Equipment Maintenance Display Setting	 Failure History Maintenance management I/O information User password change 	 Engine failure history Change oil and filter replacement cycle Analog Input, Digital input/output
3	Menu Equipment Maintenance Display Setting	 Time Setting LCD brightness adjustment LED brightness adjustment Unit Setting Language ESL password change 	 Date, Time setting Speed, Weight, Temperature, Pressure, Date

(2) Equipment menu

① Model select (a required setting)

- \cdot How to check the Model Select (check under the start switch ON status)
- \cdot Selection will be canceled if pressed the cancel button.
- * This is a required setting. Some functions may not be worked properly if you do not select the model.



Change on select button.

2. Password



Enter the password. Default password is "00000". Password length must be 5~10 digits.

5. Choise model



Select the your model.

8. Completion



3. Model select



Choose model select

6. Model select



Select the your tire.

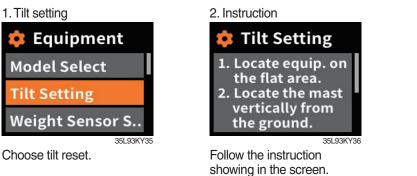
※ If you want to move back to previous page, please enter ESC button in any stage.
 ※ It shall be selected right model to prevent malfunction of truck.

2 Tilt setting (option, as required setting)

How to check "Tilt reset" (Check under the start switch ON status.)

- * The tilt sensor has already been initialized when deliver the truck from factory.
- * Tilt reset if the tilt sensor figure or truck tilt is not horizontal in the flatland.

A You must set tilt in the flatland since this is a horizontal set up.



3. Completion



35L93KY37 Setting has been completed.

a. Check functions

(a) Check the real time operation by changing angles of truck tilt and mast tilt.

(b) Auto-leveling

- a Tilt mast inward or outward.
- ⓑ Start tilting mast toward its vertical position, pushing the auto tilt leveling switch.
- © Check if the mast stops traveling when it becomes vertical to ground.

(c) Front/rear tilt warning (red)

- \cdot Stop : \pm 2.3 $^{\circ}$ (1.5 tons ~ 5.0 tons)
- $\cdot\,$ Driving : $\pm\,10.2^\circ\,$ (1.5 tons ~ 5.0 tons)

(d) Left/right tilt warning (red)

- \cdot Stop : \pm 3.4 $^{\circ}$ (1.5 tons~5.0 tons)
- · Driving

Truck weight	Warning angles (Red)
1.5 tons ~ 2.0 tons	±20.3°
2.2 tons ~ 3.3 tons	±20.8°
3.5 tons ~ 4.5 tons	±24.2°
5.0 tons	±28.0°

③ Weight sensor set up (option)

- \cdot How to check "the weight sensor set up" (Check under the start switch ON status)
- \cdot There are three settings for weight sensor. (unload, load, reset)

* The weight sensor has already been set when deliver the truck from factory.

a. Setting cylinder cross section

1. Weight sensor setting



Choose weight sensor setting.



Choose Cylinder Cross-Section. If Cylinder Cross-Section is already set up, setting value is shown in initial screen.

V-mast

66.97

TF-mast

86.59

86.59

3. Value



Enter cylinder cross-section value using up/down buttons.

VF-mast

86.59

86.59

TS-mast

88.36

88.36



Setting has been completed.

b. Unloaded status adjustment

1. Weight sensor setting



Choose weight sensor setting and enter.

4. Instruction



Follow the instruction showing in the screen. After finish setting and press enter button

🜻 Weight Sensor
Enter cross-sec
Load Weight Ad
Weight Display
35L93KY4
Choose load weight adjust and enter.

2. Load weight adjust



3. Unloaded status adjustment



50D-9SA 76.97

※ Cross-section value

Model

35/40/45D-9S

c. Loaded status adjustment

1. Weight sensor setting Equipment Model Select Tilt Setting Weight Sensor S... 35L93KY38

Choose weight sensor setting and enter.

4. Instruction



Follow the instruction showing in the screen. After finish setting and press enter button. Please proceed the operation within 30 seconds. 2. Loaded status adjustment

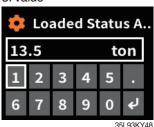


Choose loaded status adjustment and enter.

5. Completion



3. Value



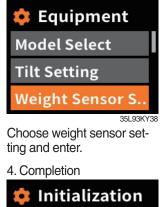
Enter load weight using up/ down buttons.

- * Must be prepared to lift up by locating the load on the fork before enter the weight.
- * MCU recognizes the weight automatically by detecting the pressure change.
- Must be performed only the load lift task within 30 seconds. If it is not completed within 30 seconds, this process will be canceled automatically.
- ※ Accurate weight value is not recognized if other pressure changes that are occurred besides salvage work.
- * Re-perform the "Load/No-Load Adjustment", if the measurement malfunction is occurred.

d. Weight sensor reset

Initialize the all values of "No-Load Adjustment" and "Local Adjustment" that were entered previously. (Cylinder cross-sectional area is not initialized.)

1. Weight sensor setting



Setting has been completed.

35I 93KY5

2. Reset



3. Check



Press the enter button.

e. Weight display

Enable to adjust the digit-number of weight of main screen. Weight will be displayed as 0.5 tons if set as 100 kg unit. Weight will be displayed as 0.52 tons if set as 10 kg unit.

1. Weight sensor setting



100 kg unit



f. Overload alarm

1. Weight sensor setting



Choose weight sensor setting and enter.

2. Weight display setting



Enter to weight display setting.

10 kg unit



3. Unit



Choose unit what you want to use.



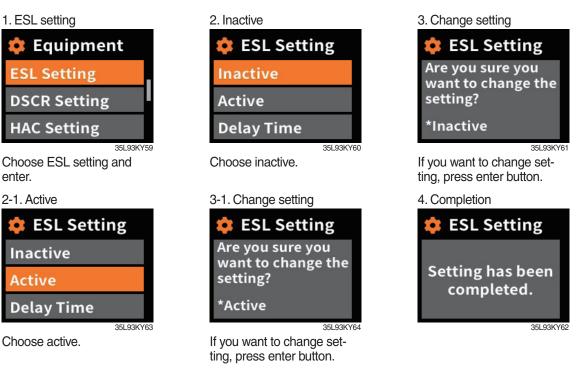
Enter to overload alarm.



Select on/off.

3-37-16

(4) ESL setting (Startup control setting, standard) : Default is "inactive"



a. Check functions

- (a) Set the active mode can be set when engine is starting.
- (b) Upon start switch ON, the password screen pops up and starting is prohibited until the right. password has been offered. (But, driver still can start the truck if starts within 10 seconds from start switch OFF)
- (c) Set the mode as 5 min of delay time and start switch OFF.
- (d) check if the truck can start within 5 min and start switch OFF.
- (e) check if the truck requests password after 5 min.
- * Start switch ON screen (when startup control mode is ON)



b. Delay time

1. ESL setting



Choose delay time.

6. Completion



2. Select value

💠 ESL Setting			
5 mins	10 mins		
20 mins	30 mins		
1 hour	2 hours		
	35I 93KY67		

Select value you want to apply.

3. Change setting



If you are sure to change ESL, press enter.

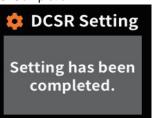
(5) DCSR setting (Direction Change Shock Relief)

Set the mode ON. Below is how this feature functions.

- If you are driving at over the block drive speed and then change gear from forward to reverse (or reverse to forward), the gear stays as neutral until the truck reaches the restore drive speed.
- \cdot The car changes direction and starts to travel.
- * Restore drive speed cannot be set over the block drive speed.







35L93KY72



6. Speed set (auto)



If you want to change speed set, enter speed setting.



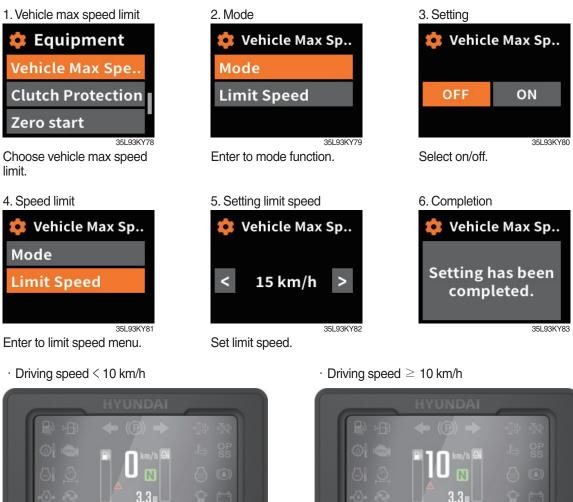


Select on/off.

6. Set road speed



6 Vehicle maximum speed limit



3.3 e r ESC

35L93KY84

ESC

<

r

5

e

35L93KY85

3-37-19

O Clutch protection alarm



Choose clutch protection alarm.

8 Zero start setting



Choose zero start setting.

4. Completion



④ Auto shift setting



Choose auto shift setting.





Enter to mode function.

35L93KY90



Select on/off.

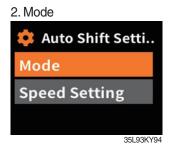
3. Completion

Clutch Protectio..

35L93KY88

Setting has been

completed.



Enter to mode function.



Select on/off.



(3) Maintenace

① Engine failure history



Enter to delete logged fault.

Delete Logged F.

2. Password

×	En	ter	use	r pa	ISS
*:	**	**			
1	2	3	4	5	.1
6	7	8	9	0	Ý
				351	93KY106

Enter the password.



3. Failure history



Choose failure history.



35L93KY113

3-37-22

2 Maintenance management

- · If the consumables replacement cycle has been passed, alarm will be displayed as ON.
- · Press the "Replacement" if replaced the consumables.
- \cdot Information about recent replacement (Max. 9) will be displayed.
- · If you want to change the cycle, please press the "Change cycle" button.

1. Maintenance mangement



Choose maintenance management and enter.





If you are sure to replace supplies, press enter buttton.

7. Setting



Set the item value using Up/Down button and press enter button



Select the replace item.

5. Select the item.



Select the item you want to change maintenance interval.

8. Completion



3. Check



Select replacement using Up/Down button and press enter button.

6. Change



Select using Up/Down button and press enter button.

(3) I/O information

a. Analog input

1. I/O information



Choose I/O information.

2. Analog input

💥 Signal Status
Analog Input
Digital Input
Digital Output
35L 03KV

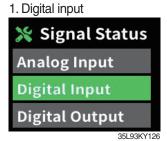
Eneter to analog input.

3. Analog signal list

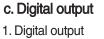


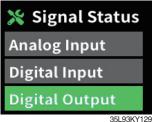
You can check the analog signal list.

b. Digital input



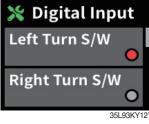
Enter to digital input.





Enter to digital output.

2. Digital signal list

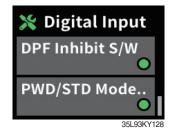


You can check the digital signal list.



35L93KY130

You can check the digital signal list.



💥 Digital Output Warning Buzzer.. HYD Auto Regen. C 35L93KY13



④ User password change

- \cdot This function is to allow to change password from default password to user defined password.
- · Password length must be 5~10 digits.
- * Since, if you forget the password, you must request the A/S, do not forget the password.
- 1. User password change



Choose password change.

2. Enter current user password



Eneter current user password.

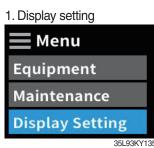
- -



Eneter new user password.

(3) Display setting

① Time setting



Enter to display setting.

4. Date



Change time using R/L button and enter button.

2. Time setting	
🔲 Display Setting	
Time setting	
LCD Adjustment	
LED Adjustment	
35L93KY1	3

Choose time setting.

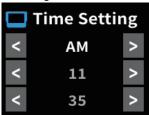
5. Time setting Time setting 21/02/19 AM 11:35 Date Setting Time Setting 35L93KY138

Choose time setting.

3. Date setting
🔲 Time setting
21/02/19 AM 11:35
Date Setting
Time Setting
35I 93KV1

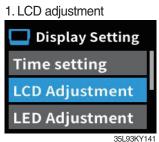
Choose date setting.

6. Change



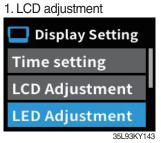
35L93KY140 Change time using R/L button and enter button.

2 LCD brightness adjustment



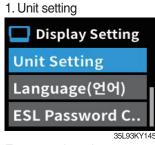
Choose LCD brightness adjustment

③ LED brightness adjustment



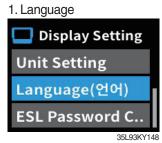
Choose LED brightness adjustment

④ Unit setting



Enter to unit setting.

(5) Language



Enter to language.



You can see this display when you choose Display Brightness is automatic.



You can see this LED when you choose LED Brightness is automatic.



Select the unit you want to change.

6. Unit

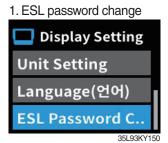


Select the unit.



Select language.

6 ESL password change



Enter ESL password change and enter.

4. Completion



35L93KY153

2. Enter cuurent ESL password



Enter current user password. 3. Enter new ESL password



Enter new ESL password.

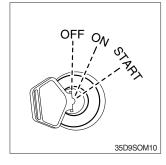
No.	Warning lamp types Symbol Warning and indicator lam		Causes and correction		
1	Engine oil pressure warning		Engine oil pressure warning lamp	Engine oil pressure is low. Please the engine oil refill.	
2	Engine warming up indicator		Engine warming up indicator lamp	Warming up will be started.	
3	Water in fuel warning		Water in fuel warning lamp	Please drain the water of the fuel filter.	
4	Engine check warning	СНЕСК	Engine check warning lamp	Check the failure code of cluster.	
5	DPF regeneration warning (null)		DPF regeneration warning lamp	DPF regeneration is required.	
6	DPF inhibit warning (null)		DPF inhibit warning lamp	DPF regeneration is inhibited.	
7	High Exhaust System Temperature (null)	₽ ²	Exhaust system high temperature waring lamp	Exhaust system high temperature will be started.	
8	Fuel warmer indicator		Fuel warmer indicator lamp	Warming up the fuel.	
9	TM oil temperature warning	\bigcirc	TM oil temperature warning lamp	TM oil is over temperature condition.	
10	Parking brake indicator	(P)	Parking brake indicator lamp	Parking brake is operating.	
11	Battery charging warning	- +	Battery charging warning lamp	Battery is not being charged. Please check alternator and wiring.	
12	OPSS indicator	OP SS	OPSS indicator lamp	Lights up when the operator leaves the seat.	
13	Fuel warning	⊳₽€€	Fuel warning lamp	Fuel level is low. Please refill the diesel oil.	
14	Coolant temperature warning		Engine coolant temperature warning lamp	Engine coolant is over temperature condition.	
15	Air cleaner filter warning		Air cleaner filter warning lamp	When the air cleaner needs to be checed and replaced.	
16	Consumables replacement indicator		Consumables replacement indicator lamp	Consumables replacement cycle has been passed.	
17	Communication error warning	COMM ERROR	Communication error warning lamp	Communication with between MCU and ECU has been failed. Check communication line.	

8) CAUSES AND CORRECTION OF CLUSTER WARNING LAMP

No.	Warning lamp types	ning lamp types Symbol Warning and indicator lamp Causes and correction		Causes and correction
18	Break oil level warning		Brake oil level warning lamp	Brake oil level is low. Please top up brake oil.
19	LH/RH turn	++	LH/RH turn indicator lamp	-
20	Forward 1st/2nd gear	F1 F2	Foward 1st/2nd gear lamp	-
21	Reverse gear	R	Reverse gear indicator lamp	-
22	Neutral gear	N	Neutral gear indicator lamp	-

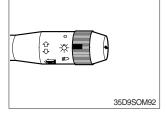
5. OPERATING LEVER AND SWITCH

1) START SWITCH



- (1) There are three positions, OFF, ON and START.
- ※ Before starting, set gear shift lever at N, and pull parking brake.
 - \cdot OFF $\$: None of electrical circuits activates.
 - ON : All the systems of machine operate. Preheat the system for 10~20 seconds.
 - START : Use when starting the engine. Release key immediately after starting.
- ※ Key must be in the ON position with engine running to maintain electrical and hydraulic function and prevent serious machine damage.

2) CLEARANCE LAMP SWITCH



(1) Clearance lamp lights up

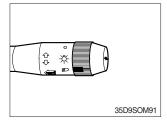
Twist the handle beneath steering wheel and make the notch align to $\not \gtrsim$.

(2) Clearance lamp goes out

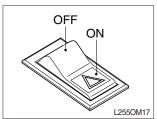
Twist the handle just opposite until the notch being aligned to \bigcirc .

* When clearance lamp light up, then the Clearance lamp and all panel lamps light up too.

3) HEAD LAMP SWITCH



4) HAZARD LAMP SWITCH



(1) Head lamp lights up

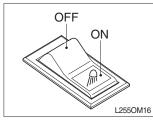
Twist the handle beneath steering wheel and make the notch align to $\exists >$.

(2) Small lamp goes out

Twist the handle just the opposite direction described as above.

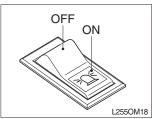
- (1) Use for parking, or loading machine.
- If the switch is left ON for a long time, the battery may be discharged.

5) REAR WORK LAMP SWITCH (option)



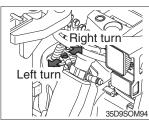
(1) This switch is used to operate work lamps. Press this switch to turn on work lamps.

6) BEACON SWITCH (option)



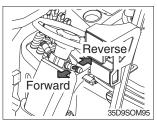
(1) This switch turn ON the rotary light.

7) TURN SIGNAL SWITCH



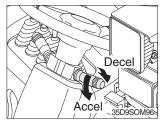
- (1) This lever makes the turn signal lamp flash.
 - ① Turning LEFT : Push lever forward
- ② Turning RIGHT : Pull lever backward
- When the steering wheel is returned to straight, the turn signal is not cancelled. Return the lever to central position by hand.

8) DIRECTION CONTROL LEVER



- (1) Push lever for forward driving.
- (2) Pull lever for reverse driving.
- When changing direction or speed, there can be some sound but it's nothing to do with performance.

9) GEAR SELECTOR LEVER

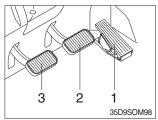


- (1) This lever is used for gear selection, forward 2 stage and reverse 2 stage.
- (2) If turning the gear selector lever forward, the machine increases the speed, but if turning it backward, the machine reduces the speed.

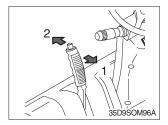
10) HORN BUTTON



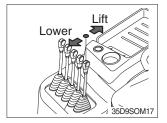
11) PEDALS



12) PARKING BRAKE LEVER



13) LIFT LEVER



(1) LIFT

PULL the lever BACK to LIFT the load.

(2) LOWER

PUSH the lever FORWARD to LOWER the load.

(3) HOLDING

When the lever is released, the lifting or lowering action stops.

* Lifting speed is controlled by accelerator pedal. Lowering speed is controlled by lever only.

- (1) **1** : Accelerator pedal
 - 2 : Brake pedal
 - 3 : Inching pedal
- * The inching pedal is used for fine control of forward and reverse movement when lifting up or putting down loads.
- * Do not put your foot on the inching pedal or brake pedal unless using it.
- (1) Position 1

Parking brake is applied and front wheel is locked.

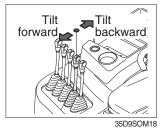
(1) The horn sounds when the button is depressed.

(2) Position 2

Parking brake is released.

* Before moving the truck be sure the parking brake is released.

14) TILT LEVER



(1) TILT FORWARD

PUSH the lever FORWARD to tilt mast FORWARD.

(2) TILT BACK

PULL the lever BACK to tilt mast BACKWARD.

(3) HOLDING

When the lever is released, tilting action stops.

* Forward and backward tilting speeds are controlled by tilt lever and accelerator pedal.

15) LEVER FOR SIDE SHIFT

(1) LH MOVEMENT

Push the lever forward to move the left hand for the side shift.

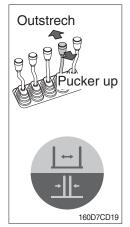


(2) RH MOVEMENT

Pull the lever backward to move the right hand for the side shift.

16) LEVER FOR SIDE SHIFT WITH FORK POSITIONER

(1) Fork positioner (synchronizer type)



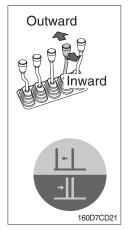
① OUTSTRECH THE FORKS

Push the lever forward to outstrech simultaneously outward of the both forks.

② PUCKER UP THE FORKS

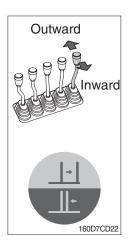
Pull the lever backward to pucker up simultaneously inward of the both forks.

(2) Fork positioner (independent type)



1) LH FORK MOVEMENT

- Push the lever forward to move outward for the LH fork.
- Pull the lever backward to move inward for the LH fork.



2 RH FORK MOVEMENT

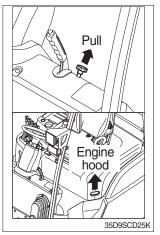
- Push the lever forward to move outward for the RH fork.
- Pull the lever backward to move inward for the RH fork.

17) STEERING WHEEL LOCK KNOB



- (1) The angle of the steering shell can be adjusted forward and backward.
- ① **Release** : Pull the knob backward.
- ② Lock : Release the knob.

18) ENGINE HOOD



- (1) Pull the knob on the dashboard and raise the engine hood to open it.
- (2) Inspection and maintenance can then be carried out easily.

19) MONITOR (OPTION)

It is possible to adjust the angle to the up, down, left, or right.



No.	Symbol	Name	Description	
1	٩	Power	- Alarm off or off release - Disply on or off - Menu save and exit	
2		Select	- Parking line on or off - Select the menu - Adjust the menu	
3	*	Menu	 Enter and change the menu Adjust the parking line (press the button for 2 seconds.) 	
4		Up	 Return the previous display Maximum volume or alarm off release (press the button for long time) Move or adjust upward 	
5		Down	 Move the next display Mute volume (press the button for long time) Move or adjust downward 	

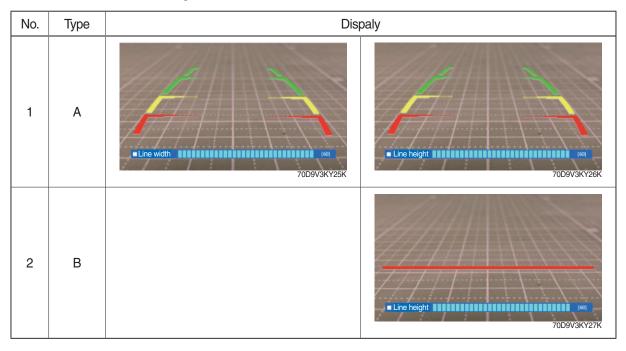
(1) Menu function

No.	Menu	Dispaly	Setting value
1	Screen color setting	■ SCREEN COLOR SETTING ■ BRIGHT :20 □ CONTRAST :33 □ COLOR :30 □ SHARPNESS :30 □ TINT :30 70D9V3KY20	- Bright : 0 ~ 60 (1 step) - Contrast : 0 ~ 60 (1 step) - Color : 0 ~ 60 (1 step) - Sharpness : 0 ~ 60 (1 step) - Tint : 0 ~ 60 (1 step)
2	Camera 1 setting	CAMERA1 SETTING MIRROR : OFF UPSIDE DOWN : OFF TRIGGER ENABLE : ON TRIGGER SUSTAIN : 02sec MARKER DISPLAY : OFF MARKER TYPE : TypeA MARKER POSITION Enter TOD9V3KY21	 Mirror : on or off Upside down : on or off Trigger enable : on or off Trigger sustain : 1 ~ 20 seconds (1 second) Marker display : on or off Marker type : type A or B Marker position : enter
3	Camera 2 setting	■ CAMERA2 SETTING ■ MIRROR : OFF □ UPSIDE DOWN : OFF □ TRIGGER ENABLE : ON □ TRIGGER SUSTAIN : 02sec □ MARKER DISPLAY : OFF □ MARKER TYPE : TypeA □ MARKER POSITION Enter 70D9V3KY22	 Mirror : on or off Upside down : on or off Trigger enable : on or off Trigger sustain : 1 ~ 20 seconds (1 second) Marker display : on or off Marker type : type A or B Marker position : enter
4	Split 1 setting	■ SPLIT1 SETTING © SPLIT TYPE : TypeA □ CH1 : CAM1 □ CH2 : CAM2 70D9V3KY23	- Split type : type A or B - CH 1 : cam 1 or 2 - CH 2 : cam 1 or 2
5	Sysetm config	■ SYSTEM CONFIG ■ AUTO POWER :AUTO □ AUTO DIMMER :OFF □ BEEP VOLUME :05 □ LANGUAGE :ENGLISH □ FACTORY RESET :Ver1.03/1.33 70D9V3KY24	 Auto power : on, off or auto Auto dimmer : on or off Beep volume : 0 ~ 10 (1 step) Language : english or korean Factory reset : Ver 1.xx

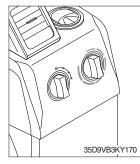
(2) Parking line adjusting

Press the menu button for 2 seconds or enter the marker position in the camera 1 setting menu or the camera 2 setting menu.

* To set the marker position, the marker display should be ON in the camera 1 setting menu or the camera 2 setting menu.



20) HEATER CONTROLLER (OPTION)



- (1) The left knob turns the system ON/OFF and controls fan speed to 3 steps.
- (2) The right knob controls the air temperature of the heater.