



WARNING



This control panel features a row of 11 black toggle switches. Below the switches is a circular gauge with a needle. Several warning and safety labels are present, including one with a lightning bolt symbol and another with a person being struck by a falling object.



This large control panel is densely packed with instruments. It includes two large black knobs at the top, a red emergency stop button, and a grid of smaller knobs. The bottom section contains five circular gauges with white faces and black markings, each with a label below it. The text "www.petrorigs.com" is printed at the bottom of the panel.

DETROIT DIESEL

ELECTRONIC ENGINE CONTROL MODULE



This module is a white rectangular box with a top-mounted gauge and several indicator lights (yellow, red, green) and buttons. It is connected to various hoses and cables.



WHOLE
STORAGE REEL

DOWN SAVER
OVERSPEED PROTECTOR
FOR REEL WIND-UP UNITS



WARNING
STORAGE REEL BRAKE RELEASE
USE ONLY WITHOUT COIL OR WITH COIL
SECURED TO STORAGE REEL. FAILURE TO
COMPLY COULD RESULT IN SERIOUS INJURY
DEATH OR DAMAGE TO THE RIG.

SAFETY INSTRUCTIONS
All personnel present in the
vicinity of operations shall
observe the following instructions
for safety:
1. Never use any other controls
while the rig is in operation.
2. Do not use the rig until
you have received proper
training.
3. Never change or adjust the
direction of rotation without
the consent of the operator.
4. Before starting the rig, check
that all controls are in their
normal position.
5. Do not touch any moving
parts of the rig while it is
operating.
6. Do not touch any moving
parts of the rig while it is
operating.



DOWN
DOWN

DOWN
BACK-UP PRESSURE

RETARD OFF ADVANCE
SPOOLER CONTROL
INCREASE
STORAGE REEL DRAG
BRAKE OFF
CHARGE PRESSURE

INJECTOR OFF DRAMWORKS
OUT HOLE IN HOLE
UP DOWN
WIDE BRAKE OFF
CHARGE PRESSURE

REEL PANEL ON
REEL PANEL OFF

REEL IN EYE
ADJUSTABLE

OPEN IN SLOW
ROLLER WIND DOWN

LEFT IN RIGHT
CORRECTED DRAG

FLIGHT LINE
CORRECTED FLIGHT

OFF ON
DOWN

REEL IN BACK
INJECTOR SIZE

UP
DOWN
LUBRICATOR WIND

www.petrorigs.com

STORAGE REEL

ROLL UP
UTILITY WINCH
ROLL DOWN

INJECTOR IN-HOLE PRESSURE
INCREASE

INJECTOR OUT-HOLE PRESSURE
INCREASE

INJECTOR CHAIN TENSION PRESSURE

INJECTOR MIDDLE TRACTION PRESSURE
DECREASE OFF INCREASE

INJECTOR OUTSIDE TRACTION PRESSURE
DECREASE OFF INCREASE

WARNING
 DO NOT CONTINUE EXTENDING MAST RAISE CYLINDER WHEN MAST IS IN THE FULL UPRIGHT POSITION OR WHEN MAST PINS ARE ENGAGED. FAILURE TO COMPLY COULD RESULT IN STRUCTURAL DAMAGE TO THE MAST OR A-FRAME

MAST RAISE	LEVELWIND MOTOR	LEVELWIND ARM	LEFT FRONT OUTRIGGER	RIGHT FRONT OUTRIGGER	LEFT MID OUTRIGGER	RIGHT MID OUTRIGGER	LEFT REAR OUTRIGGER	RIGHT REAR OUTRIGGER	SPARE	BOGHOUSE RAISE / LOWER ENABLE
RAISE	ADVANCE	UP	UP	UP	UP	UP	UP	UP		ACTIVATE
LOWER	RETARD	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN	DOWN		

WARNING
 ENSURE STORAGE REEL IS "ON" WHEN RAISING OR LOWERING MAST

⚠ DANGER

Hazardous Voltage
 Do not raise mast within 100 feet of power lines. Do not move drill with mast raised. Lesser distances must be reviewed with local utilities.

SAFETY INSTRUCTIONS

- Only a trained person is to be permitted to operate this machine.
- Check with underground utility locator services before drilling.
- Hard hat and other personal protective equipment required.
- Do not wear loose or unfastened clothing or gloves with sharp cuffs while operating this machine.
- Never change or defeat the function of electrical interlocks or emergency stop switches.
- Before operating this machine:
 - Place all controls in neutral before starting.
 - Test emergency stop switches.
 - Be sure that all guards are in place.
 - Never drill with less than two people.



⚠ WARNING

Read and understand Operation and Safety manuals before using this machine. Failure to follow operation and safety instructions could result in death or serious injury.












PetroRigs
www.petrorigs.com









THIS LOAD MUST BE DOUBLE LINED

SAFETY
EYE WASH STATION

HEARING PROTECTION REQUIRED. NOISE LEVEL IN THIS AREA IS 100 DB(A) - 100% OF THE OSHA PERMISSIBLE EXPOSURE LIMIT

CAUTION
THE EQUIPMENT MAY START UP AUTOMATICALLY

NOTICE
WHEN MAKING CHANGES TO THE EQUIPMENT, PLEASE LOCK THE DOOR TO PREVENT ACCIDENTS

NO FOOD OR DRINK IN THIS AREA

PERSONAL PROTECTIVE EQUIPMENT REQUIRED

NO SMOKING

EXIT
FIRE

Petro Wings
www.petrowings.com



PUMP PRESSURE (PSI)

MUD PUMP 2

MUD PUMP 1

SLUTCH

SLUTCH

TOP DRIVE HOOK LOAD

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

MUD PUMP 2

MUD PUMP 1

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

BRAKE CYLINDER

RELAX CYLINDER

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

BACKUP BENCH

BACKUP BENCH

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL

SLEWER

SLEWER

STOPPER CONTROL

STOPPER CONTROL

STOPPER CONTROL





