

Nicola's Machinery



NICOLA'S
MACHINERY



TRIDENT PLUS

60HP A/C Cabin Tractor QuickStart Guide



TABLE OF CONTENTS

Safety Guide

01

QuickStart
Guide & Tips

02

Control Panel &
Operating
Levers Overview

03



SAFETY GUIDE



This guide provides essential safety instructions for operating the Trident Plus 60HP A/C Cabin Tractor.

Before Operating

- Only trained operators should use the tractor.
- Perform a pre-operation check: Inspect tires, fluid levels, brakes, and steering.
- Ensure all controls are functioning correctly before starting.
- Wear appropriate safety gear; avoid loose clothing that may get caught in moving parts.
- Keep the cabin windows and doors closed while operating to maintain protection from external hazards.

Starting the Tractor

- Always start from the operator's seat.
- Ensure the transmission is in neutral and the parking brake is engaged.
- Allow the engine to warm up before engaging gears.
- Confirm proper ventilation inside the cabin to prevent fogging or reduced visibility.

Safe Driving Practices

- Keep both hands on the steering wheel and feet on the operator platform.
- Drive at a controlled speed, especially on slopes.
- Use the cabin's air filtration system to reduce dust and airborne particles.
- Ensure the windshield wipers function properly in rainy or dusty conditions.



Operating on Slopes

- Drive up and down slopes rather than across.
- Avoid sudden stops or sharp turns on inclines.
- Be aware of potential blind spots due to the cabin structure.

Parking and Stopping

- Lower all implements to the ground before parking.
- Engage the parking brake and turn off the engine.
- Remove the key before dismounting.
- Keep the cabin locked when unattended to prevent unauthorized access.

Emergency Procedures

- In case of loss of control, reduce throttle and apply brakes gradually.
- If tipping occurs, stay in the seat and hold on firmly; the enclosed cabin provides rollover protection.
- Keep a fire extinguisher inside the cabin and be familiar with emergency shut-off procedures.



QUICKSTART GUIDE & TIPS



1. Check all surrounding area and make sure there is no obstacle before starting up.
2. Check front end loader locking devices & make sure they are all in locking positions. (Bucket lock & Front-end loader lock)
3. Depress the clutch, check all gears are in neutral and start up by turning on ignition switch.
4. Selecting relevant gears to move.

Clutch Tips

1. Do not ride on the clutch or partially press the clutch while driving. With the basic mechanism in mind, when the clutch pedal is partially pressed, it reduces the contact friction between the flywheel and friction plate. Hence, they remain in relative motion, resulting in wear and tear of disc plate.
2. Check clutch pedal free play (free movement) before driving. If there is no free play, then you need to free it up by adjusting the length of connecting rod.

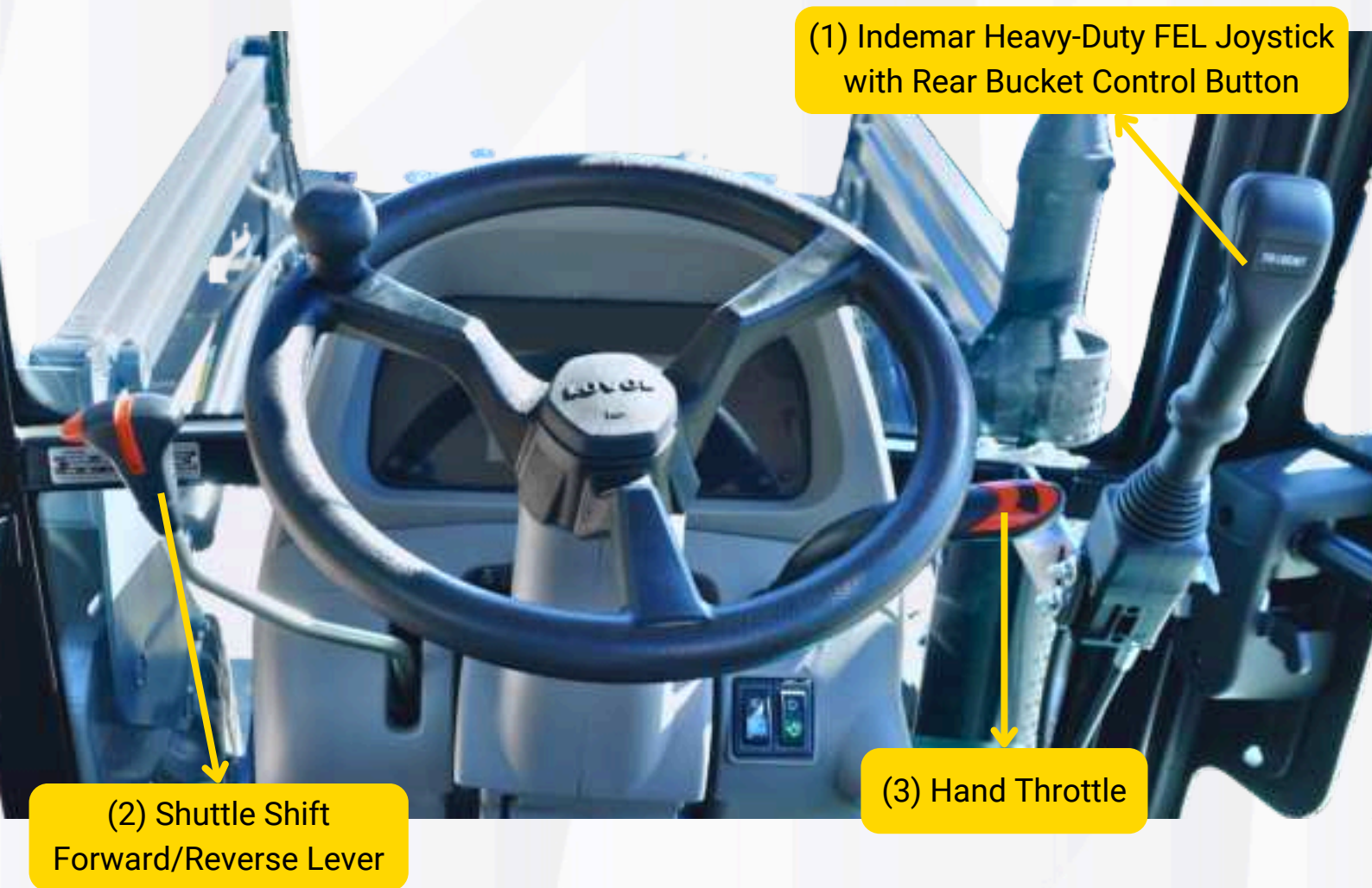
4WD Tips

1. Pull up the 4WD lever to engage into 4WD. Push down the 4WD lever back to 2WD. Due to its simple mechanical connection, if you can not pull up or push down this lever while your tractor is in stationary, you must slowly move your tractor and try to pull up or down by letting the 4WD gear mesh in.
2. Never use 4WD in high gear. It can only be used in low gear.
3. Always check if the front wheels slip while you are in 4WD. If the front wheels do not slip, stop the tractor immediately otherwise you will damage the inner shaft or gears in the front driving axle.

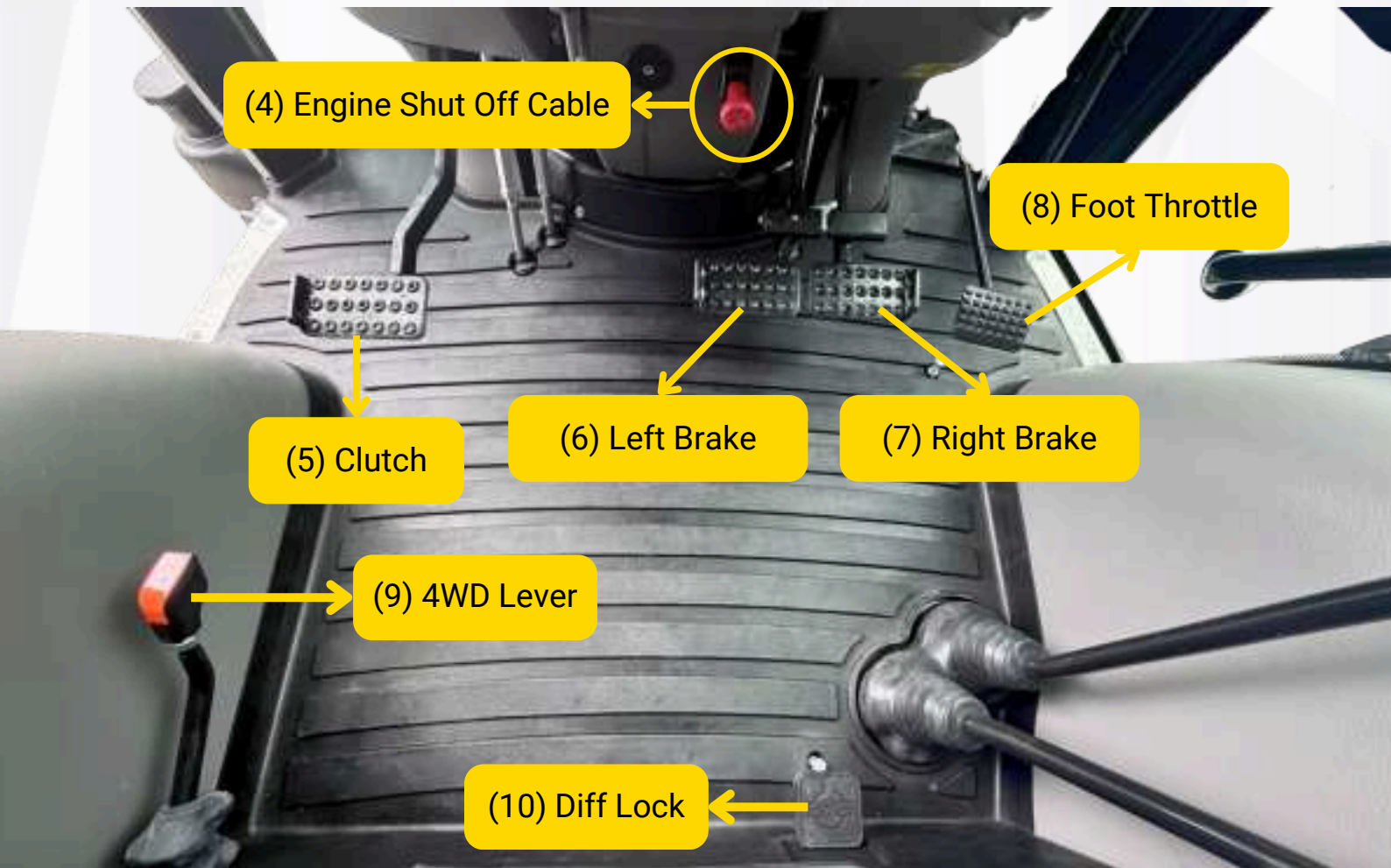
3-Point Linkage & PTO Tips

1. Always use 3-point linkage floating function for tow behind implements (slasher, grader, rotary hoe, flail mower, and other similar implements)
2. Use low speed 560rpm PTO for implements with gearbox.
3. If your tractor has a sub-clutch (PTO break), do not engage it (pull up) while driving, you can set your PTO speed lever in neutral position.

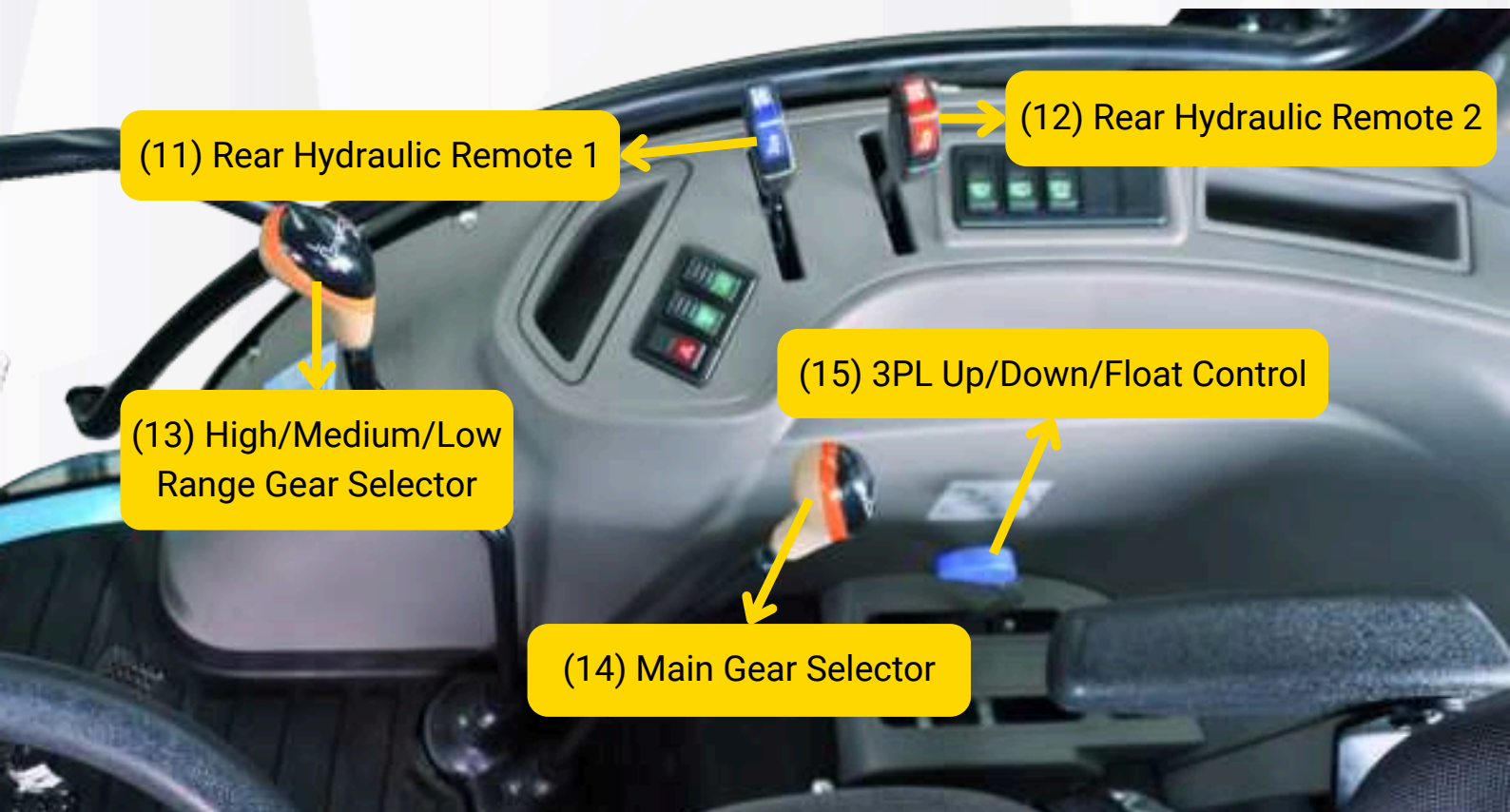
CONTROL PANEL & OPERATING LEVERS OVERVIEW



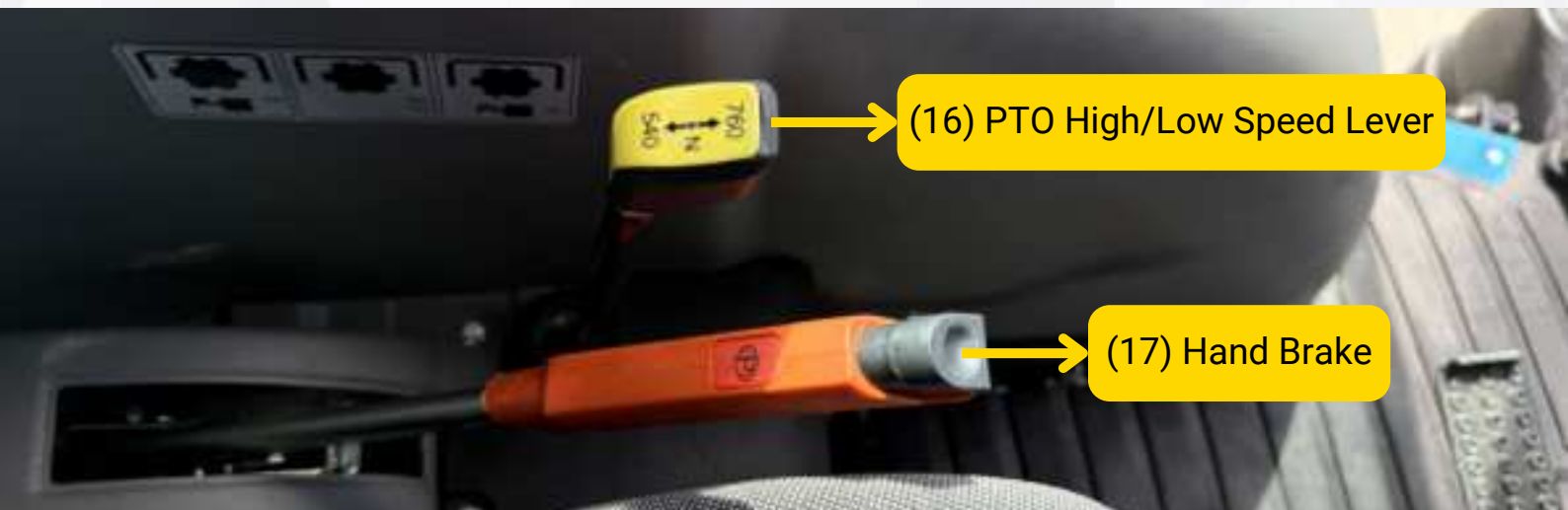
- **(1) Indemar Heavy-Duty FEL Joystick with Rear Bucket Control Button:** Controls front-end loader (FEL) functions such as lifting, lowering, and tilting. To control the bucket, hold the rear button and move the joystick left or right to open or close the bucket.
- **(2) Shuttle Shift Forward/Reverse Lever:** Shifts quickly between forward and reverse directions.
- **(3) Hand Throttle:** Controls engine speed for consistent RPM without using the foot throttle.



- **(4) Engine Shut Off Cable:** Stops the engine by manually cutting off fuel supply.
- **(5) Clutch:** Disengages the engine from the transmission to change gears.
- **(6) Left Brake:** Controls the left rear wheel for braking or turning.
- **(7) Right Brake:** Controls the right rear wheel for braking or turning.
- **(8) Foot Throttle:** Regulates engine speed by controlling the throttle with the foot.
- **(9) 4WD Lever:** Engages or disengages 4-wheel drive for better traction.
- **(10) Diff Lock:** Engages the differential lock to provide maximum traction by locking both rear wheels together.



- **(11) Rear Hydraulic Remote 1:** Controls hydraulic functions for implements attached to the rear of the tractor.
- **(12) Rear Hydraulic Remote 2:** Another control for additional hydraulic functions on rear implements.
- **(13) High/Medium/Low Range Gear Selector:** Adjusts speed range: **High** for transport, **Medium** for general use, and **Low** for heavy-duty tasks.
- **(14) Main Gear Selector:** Selects the desired gear for forward or reverse movement.
- **(15) 3PL Up/Down/Float Control:** Adjusts the height or float position of the 3-point linkage (3PL).



- **(16) PTO High/Low Speed Lever:** Switches between high and low Power Take-Off (PTO) speeds.
- **(17) Hand Brake:** Engages the parking brake to keep the tractor stationary when parked.





NICOLA'S
MACHINERY

Nicola's Machinery

Phone 1300-598-517

Address QLD: 16 Quilton Pl, Crestmead 4132
NSW: 1540B The Northern Rd, Bradfield
2556 (Western Sydney Airport)
TAS: 2 Wrankmore Ct, Legana 7277
SA: 77 Harrison Rd, Dudley Park 5008

Email (Sales) sales@nicolasmachinery.com.au