These instructions are not a complete Operator Manual - just basic control information. Complete manual located on machine or ask All Star Rents for a copy. Be safe and contact us immediately if the trencher is not operating correctly.

Section 20: Controls

MACHINE CONTROLS (HONDA AND KOHLER)

(1) **Off/On Switch (Recoil Start)**

Push bottom of switch ..... engine OFF

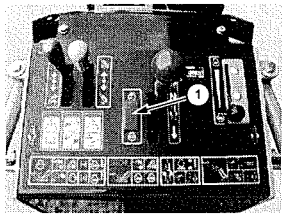
Push top of switch ..... engine ON

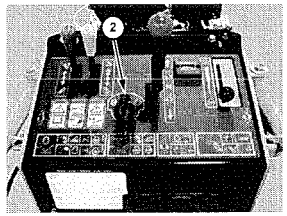
(2) **Keyswitch (Electric Start Option)**

Counterclockwise ..... engine and electrical system OFF

Vertical position ..... electrical system ON

Clockwise from vertical position ..... starts engine
Key returns to vertical position when released.



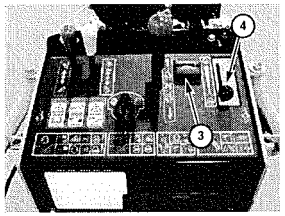


(3) **Hourmeter**

(4) **Throttle Lever**

Push forward ..... increase engine RPM

Pull back ..... decrease engine RPM



(5) **Trencher Lift Lever** (Green)

Push forward ..... lower trencher boom

Pull back ..... raise trencher boom

NOTE: Lever will spring return to NEUTRAL when released.

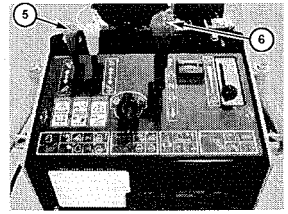
(6) **Propel Lever** (Orange)

Push forward ..... variable speed forward

Center ..... NEUTRAL

Pull back ..... variable speed reverse

NOTE: Lever must be in NEUTRAL before engine will start.



(7) **Digging Chain Drive Lever** (Yellow)

Push forward to detent ..... engage digging chain

Center (NEUTRAL) ..... stop digging chain

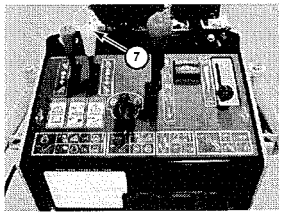
Pull back ..... momentarily reverse chain

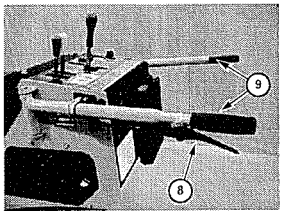
NOTE: Lever will spring return to NEUTRAL from reverse position.

NOTE: Lever must be in NEUTRAL before engine will start.

(8) **Operator Presence Lever** (left side)
Pull red lever under handlebar grip to allow engine to run when *Ground Drive Control* or *Digging Chain Drive Control* is engaged.

(9) **Handlebars**
Pivot handlebars to steer, rotating rear of machine in direction of push.



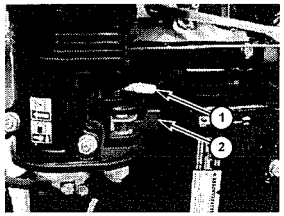


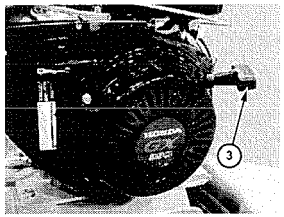
ENGINE CONTROLS - HONDA

(1) **Choke Lever**
Slide lever left when starting a cold engine. Gradually slide lever right after the engine starts and warms up.

(2) **Fuel Shutoff Valve**
Slide lever right .....open valve
Slide lever left .....close valve

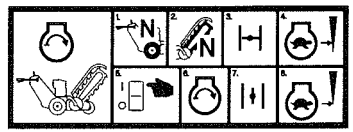
(3) **Rope Start**
Pull rope to crank engine for starting. *Switch* on machine dash must be ON to start.





Section 22: Starting Procedure

STARTING THE ENGINE



Step 1: Place *Propel Lever* in NEUTRAL.

Step 2: Place *Digging Chain Drive Lever* in NEUTRAL.

Step 3: Fully close *Choke* (cold engine only).

NOTE: Open *Fuel Shutoff Valve* if necessary.

Step 4: Move *Throttle Lever* to 1/4 speed.

Step 5: Push *Off/On Switch* to ON position (recoil start).
Turn *Keyswitch* to ON position (electric start option).

Step 6: Start engine:

- Pull *Rope Start* to start machine (recoil start).
- Turn *Keyswitch* to START position to start machine (electric start option). Release switch when engine starts.

IMPORTANT: Do not crank engine continuously for more than 10 seconds at a time. If the engine does not start, allow a 60-second cool-down period between starting attempts. Failure to follow these guidelines can burn out the starter motor.

Step 7: After engine starts, gradually open *Choke*.

IMPORTANT: If engine fails to start in three attempts, turn switch OFF and check for fuel blockage or problems with ignition system.

Step 8: Reduce throttle to idle.

Do not operate engine under load until engine has warmed up.

For cold weather starting, refer to Engine Cold Weather Starting in this section.

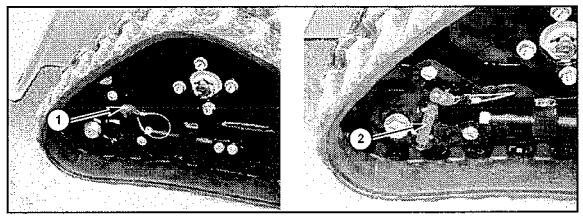
AFTER ENGINE STARTS

- Check operation of Operator Presence controls. The engine must stop if the *Operator Presence Lever* is released while the *Ground Drive Lever* or *Digging Chain Drive Lever* is engaged.

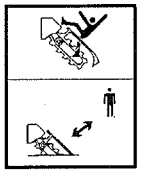
NOTE: This system is intended to help you operate the machine safely and must be maintained in good, functional condition.

- Check that machine does not move with *Propel Lever* in NEUTRAL.
- Check that trencher digging chain does not turn with *Digging Chain Drive Control* in NEUTRAL.

NOTE: If shutting down on a slope, turn machine to face across the slope to prevent machine from creeping away from the parked position. If this is not possible on the track version due to lack of engine power, install pin (1) on left side track to engage sprocket. If pin does not go all the way through, push the unit forward or backward slightly until pin will fully engage. Remove pin and place in bracket vertically (2) before moving machine.



TRENCHING



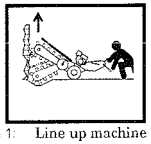
DANGER: Moving digging chain can kill or cut off arm or leg. Trench cave-in may cause you to fall onto moving chain.

Stay away from moving digging chain.

Trench Cleaner Assembly/Restraint Bar

The trench cleaner assembly or restraint bar is intended to help protect against accidental personal contact with the digging chain. The trench cleaner assembly or restraint bar must be in place while digging. Refer to the *Maintenance Manual* for adjustment instructions.

Trench - Start/Plunge Cut



WARNING: The digging chain can suddenly drag the machine forward if the trencher is forced too quickly into the ground or catches on an object. Stay away from houses, fences, trees, and other objects. Digging chain contact with fences, trees, or walls can cause chain to climb upward quickly and turn machine over rearward. Serious injury or death can result if struck by machine.

Step 1: Line up machine at beginning of trench.

Step 2: If equipped with trench cleaner, follow *Shutdown Procedure*, page *23-1*. If not so equipped, proceed to Step 5.

Step 3: Raise trench cleaner **(1)**, engage latch **(2)**, and secure with linch pin **(3)**.

Step 4: Follow *Starting Procedure*, page *22-1*.

Step 5: Pull up on red *Operator Presence Lever* **(4)**.

Step 6: Engage digging chain **(5)** and move *Throttle* to full RPM.

Step 7: Lower trencher boom slowly to the desired digging depth **(6)**.

NOTE: Lowering boom too quickly will result in excessive boom and machine bounce. A small amount of rearward ground travel during the plunge cut may help in reducing boom and machine bounce.

IMPORTANT: Do not attempt to force boom down faster than digging chain can remove material. Do not overload engine. If the engine RPM drops or the digging chain slows down, raise boom until speed increases, then continue lowering the boom. Move machine rearward slightly when making plunge cut to avoid damaging restraint bar or trench cleaner.

Step 8: Use *Propel Lever* **(7)** to move machine slowly towards the operator.

Step 9: If using a trench cleaner, follow "Trench Cleaner - Adjust," *page 50-5*, instructions.

Step 10: Adjust ground speed for the best productivity when the required trench depth has been reached.