

Skid Steer, Multi Terrain, and Compact Track Loaders



ATTACHMENT OPERATION GUIDE

TABLE OF CONTENTS



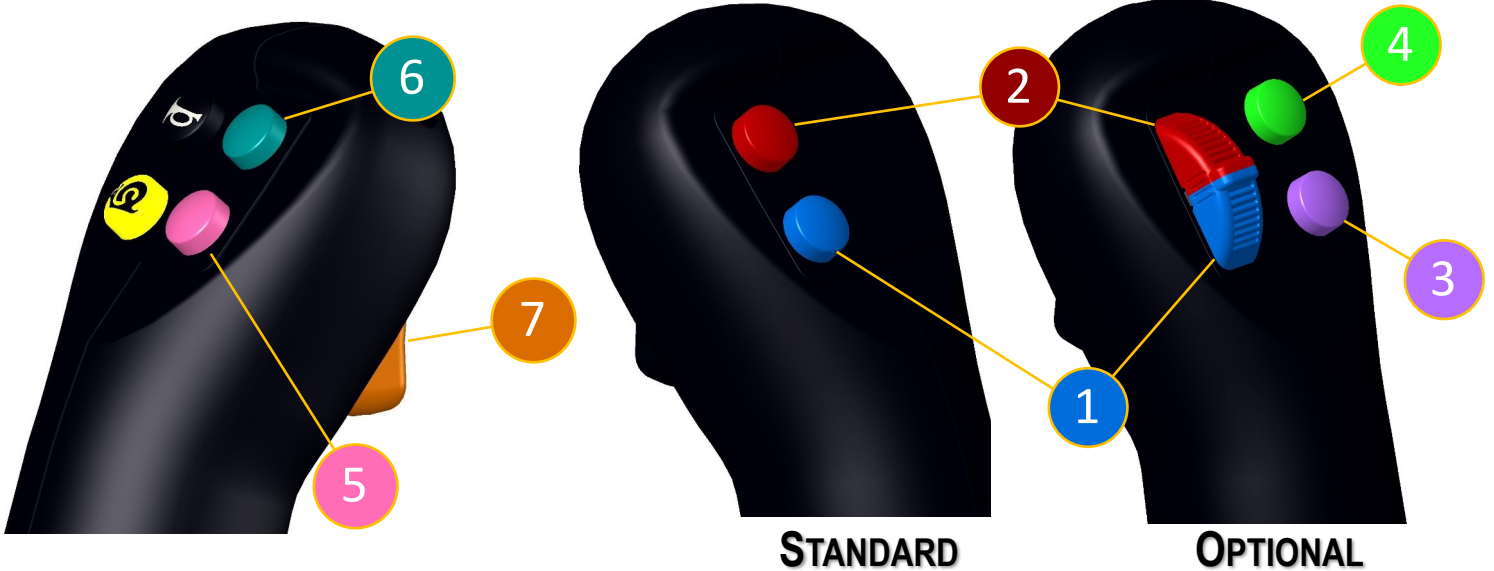
This operation guide is intended to provide an overview of joystick functionality for Cat® Skid Steer, Multi Terrain, and Compact Track Loaders in order to operate Cat attachments. The same information, along with more details on each attachment, is available in the attachment's Operation & Maintenance Manual (OMM). For more information, contact your local Cat dealer.

ELECTRICAL WIRING.....	3	LANDSCAPE RAKES.....	18
MACHINE FUNCTIONS.....	4	LANDSCAPE TILLERS.....	19
ANGLE/DOZER BLADES, SNOW PLOWS.....	5-6	MIXING BUCKETS.....	20
AUGERS.....	7	MULCHERS.....	21
BACKHOES.....	8-9	MULTI V-PLOWS.....	22
BOX BLADES.....	10	POWER BOX RAKES.....	23
BROOM, ANGLE.....	11	SIDE DISCHARGE BUCKETS.....	24
BROOM, PICKUP/UTILITY.....	12	SILAGE DEFACERS.....	25
BRUSHCUTTERS.....	13	SNOW BLOWERS.....	26
COLD PLANERS.....	14-15	STUMP GRINDERS.....	27-28
GRAPPLES, MP BUCKETS.....	16	TRENCHERS.....	29-30
HAMMERS.....	17	VIBRATORY DRUM COMPACTORS.....	31
		WHEEL SAWS.....	32

ELECTRICAL WIRING



BUTTON	3	4	5	6	7
PIN	C	D	E	F	A

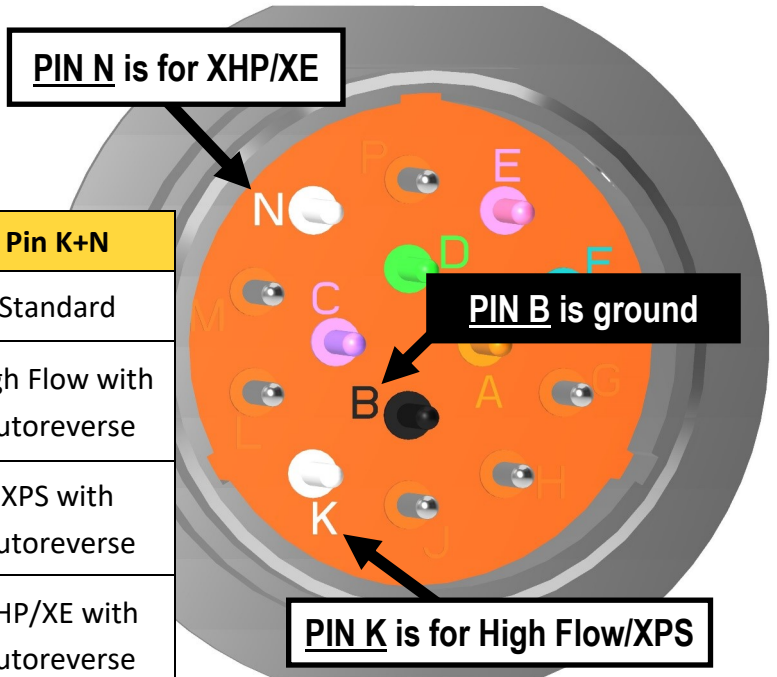


! Optional Joystick required for certain attachments. Refer to individual attachment operation pages to see required controls.

! The following table shows the flow given by connecting Pins K or N to Pin B depending on the flow capability of the machine. If neither Pin is connected, all machines give Standard Flow. All Attachments include harness/jumper plug if required for High Flow/XPS/XHP/XE.

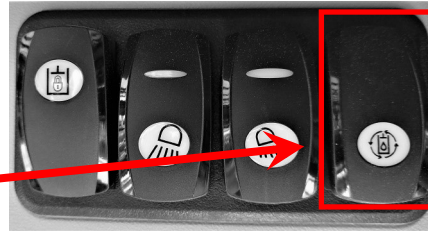
MACHINE ELECTRICAL CONNECTOR FOR ATTACHMENTS

Machine Type	Pin K	Pin N	Pin K+N
Standard Flow	Standard	Standard	Standard
High Flow	High Flow	Standard	High Flow with autoreverse
High Flow XPS	XPS	Standard	XPS with autoreverse
High Flow XHP/XE	XPS	XHP/XE with autoreverse	XHP/XE with autoreverse

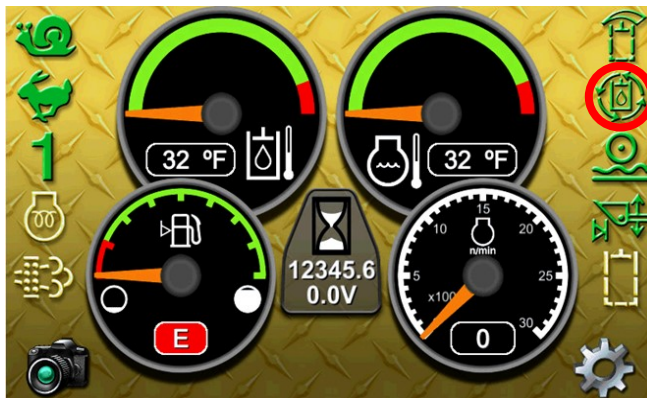


CONTINUOUS FLOW

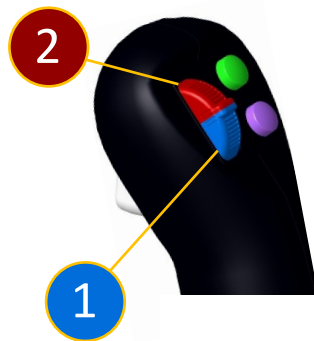
1. Press and release the Continuous Flow Switch, located on the upper right hand side switch panel.



2. Continuous Flow indicator will **FLASH** on the Advanced Machine Display.



3. Press and hold **2** on the right hand joystick for several seconds.



4. Continuous Flow indicator will appear **SOLID** on the Advanced Machine Display. Continuous flow is active, and button **2** can be released.

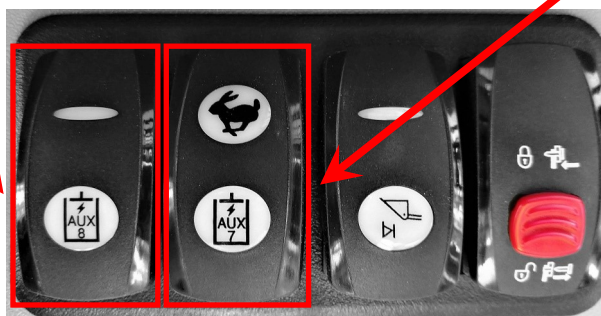
5. Press and release **2**, or the Continuous Flow Switch to deactivate continuous flow.

Aux Function 8

To turn on Aux 8, toggle the Aux 8 switch located on the upper left hand side switch panel. Used for certain attachments and available water kits, when equipped.

Aux Function 7

Press **DOWN** on the rocker switch, located on the left hand side switch panel, to select Aux Function 7. This enables the left hand joystick trigger to be used to control Attachments.

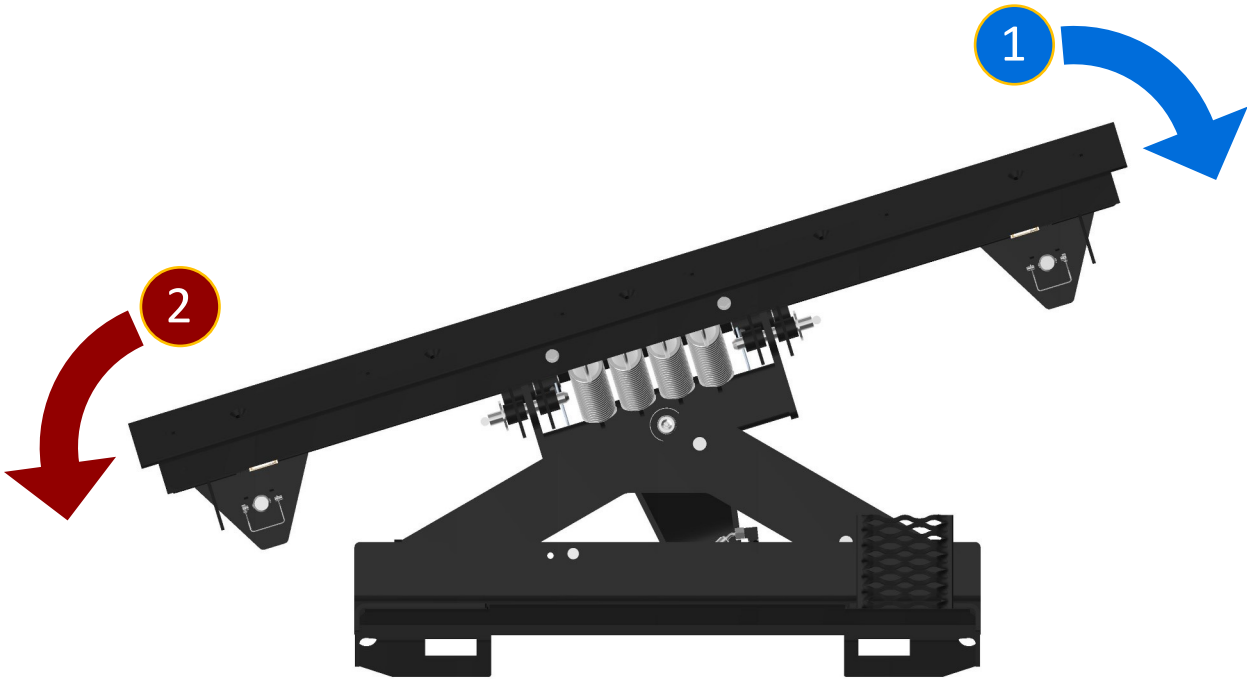
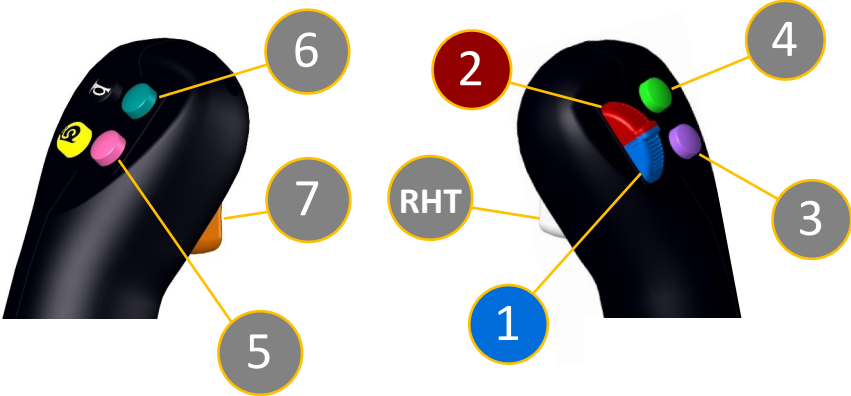


ANGLE & DOZER BLADES, SNOW PLOWS



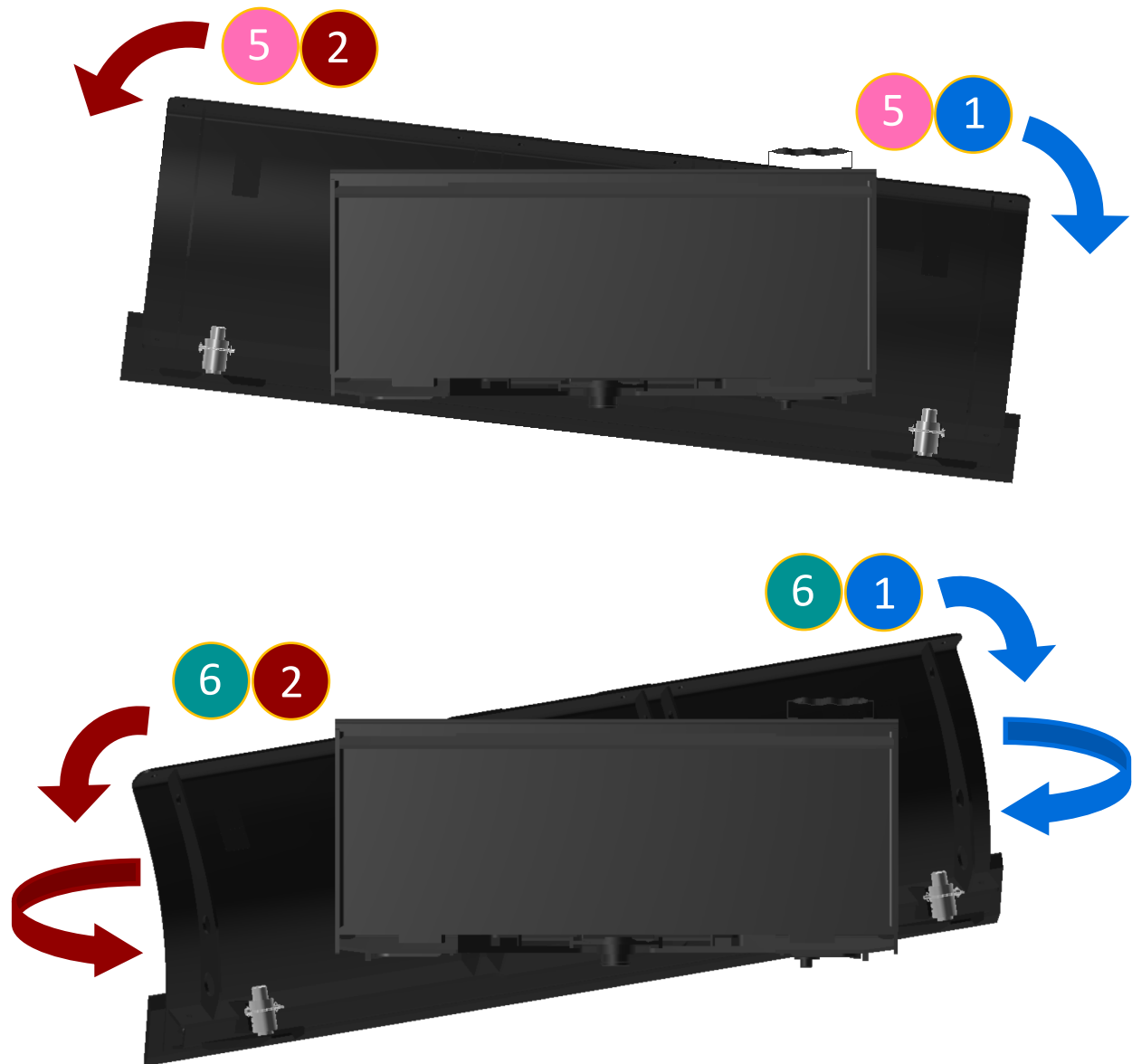
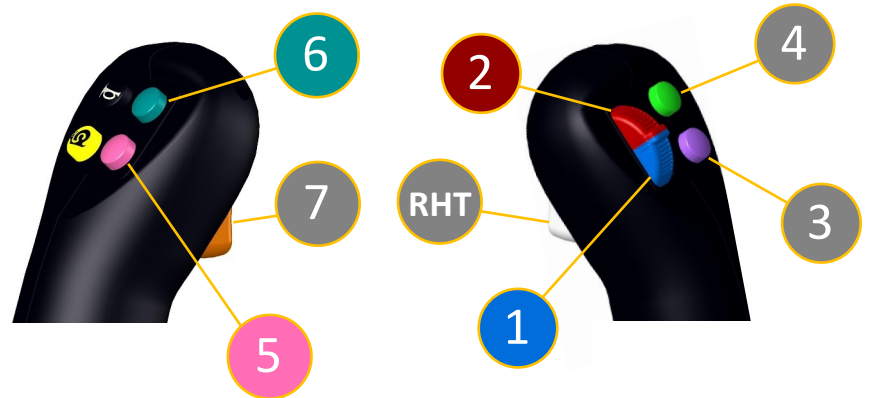
ALL MODELS

BUTTONS	FUNCTION
1	Angle Right
2	Angle Left



DOZER BLADES

BUTTONS	FUNCTION
5+1	Tilt Right
5+2	Tilt Left
6+1	Tilt + Angle Right
6+2	Tilt + Angle Left

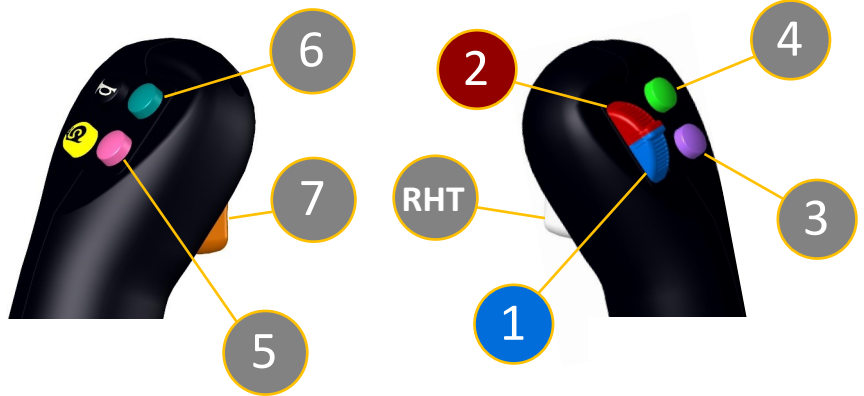


AUGERS



ALL MODELS

BUTTONS	FUNCTION
1	Counterclockwise
2	Clockwise

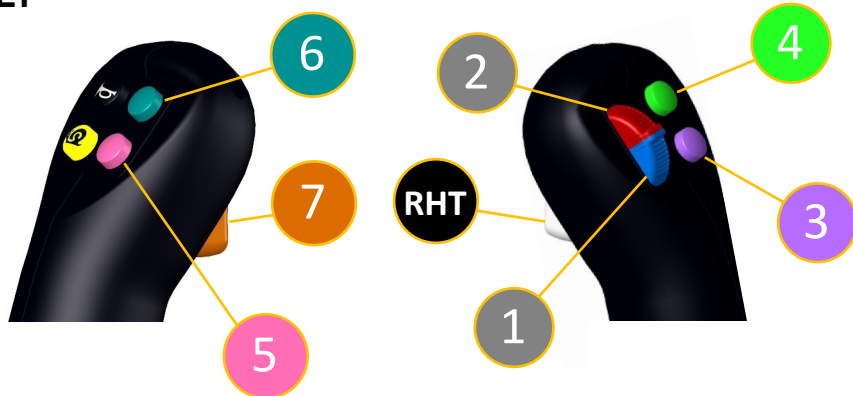


BACKHOES



BH130—WITH D3 SERIES ONLY

BUTTONS	FUNCTION
RH Trigger	Toggle Attachment Mode
3	Right Stab Down
4	Right Stab Up
5	Left Stab Down
6	Left Stab Up
7+3	Shift Right
7+4	Shift Left

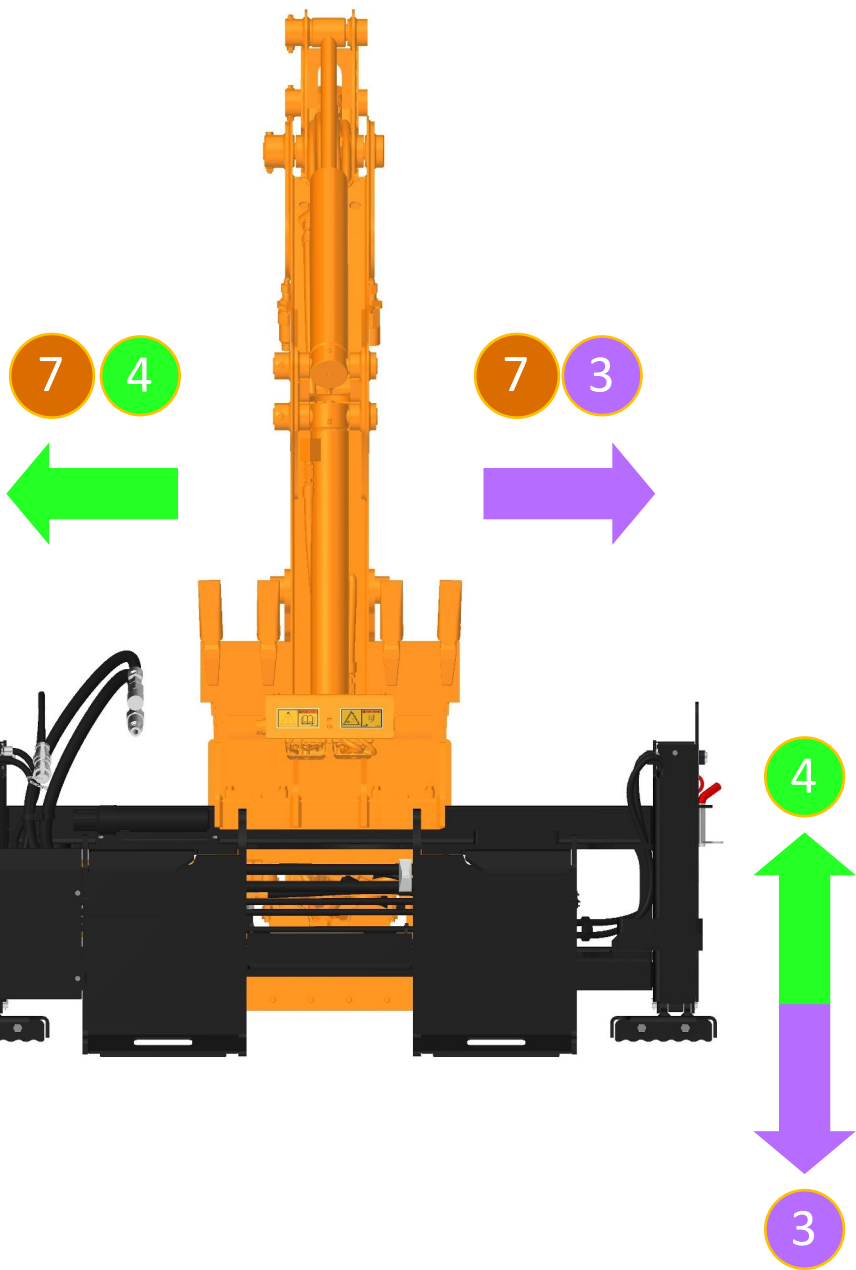


Must have Parking Brake **ON** and Hydraulic Lock **OFF** to enter Attachment Mode.



Pattern select for Backhoe/Excavator controls located in the advanced machine display.

Only compatible with D3 series machines.



BACKHOES (CONT.)



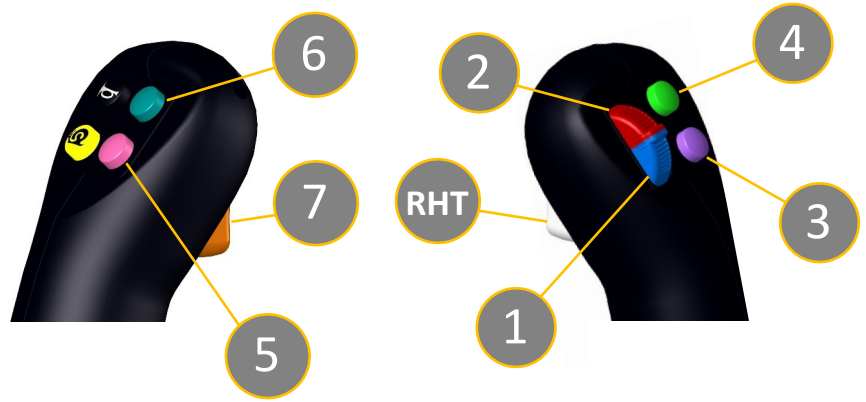
BH130—WITH D3 SERIES ONLY

Must have Parking Brake **ON**
and Hydraulic Lock **OFF** to enter
Attachment Mode.



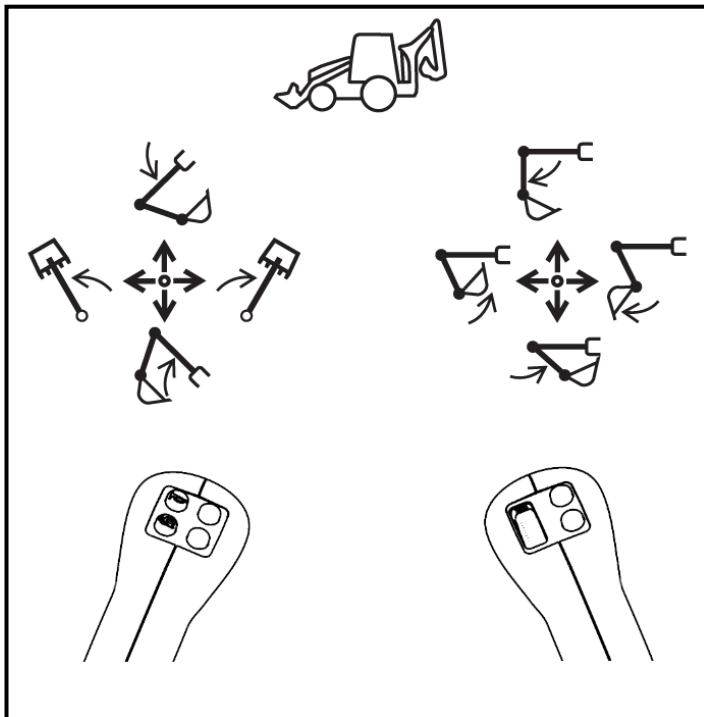
Pattern select for Backhoe/
Excavator controls located in the
advanced machine display.

Only compatible with D3 series
machines.

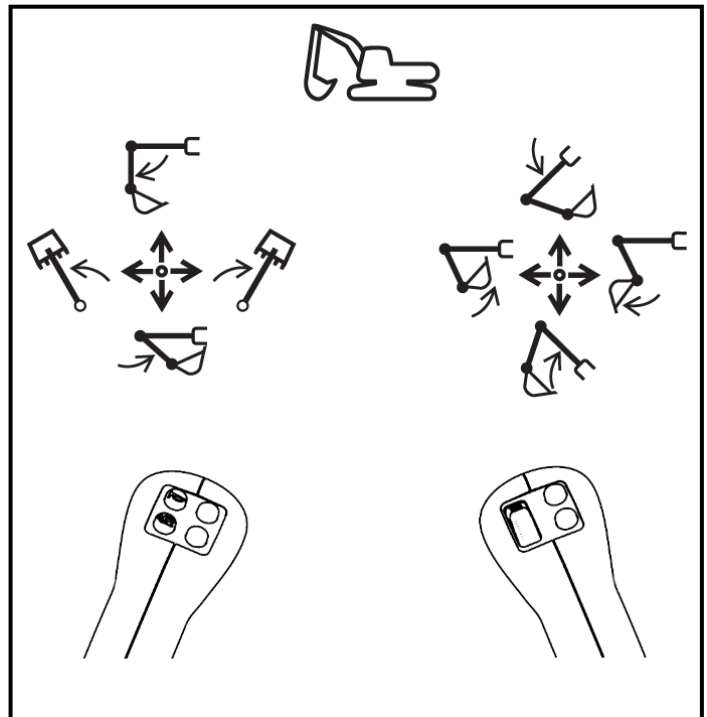


MAIN ATTACHMENT MODE FUNCTIONS

BACKHOE MODE



EXCAVATOR MODE

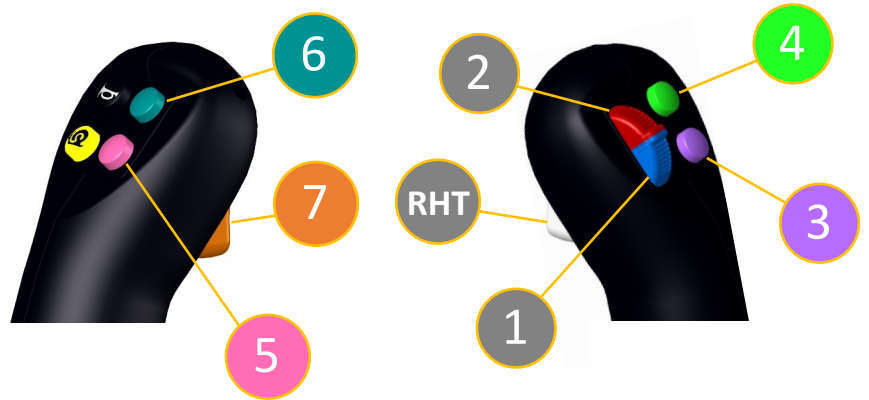


BOX BLADES



ALL MODELS—MANUAL MODE

BUTTONS	FUNCTION
3	Right Side Down
4	Right Side Up
5	Left Side Down
6	Left Side Up
7	Toggle Auto/ Manual



ALL MODELS—AUTO MODE

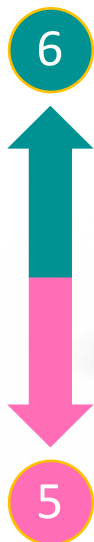
BUTTONS	FUNCTION
3	Decrement Right
4	Increment Right
5	Decrement Left
6	Increment Left
7	Toggle Auto/ Manual



Must be in Continuous Flow.

Must have Aux 7 enabled to allow toggle between auto and manual modes.

Must have Aux 8 enabled to provide power to the box blade.



BROOMS, ANGLE

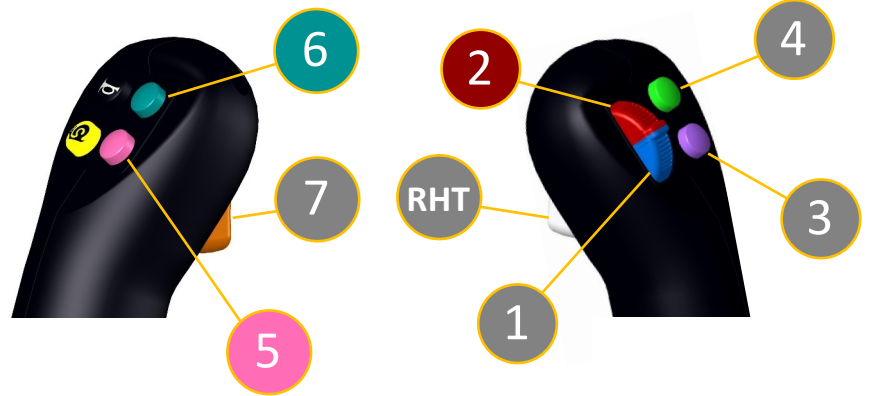


ALL MODELS

BUTTONS	FUNCTION
2	Broom Rotation

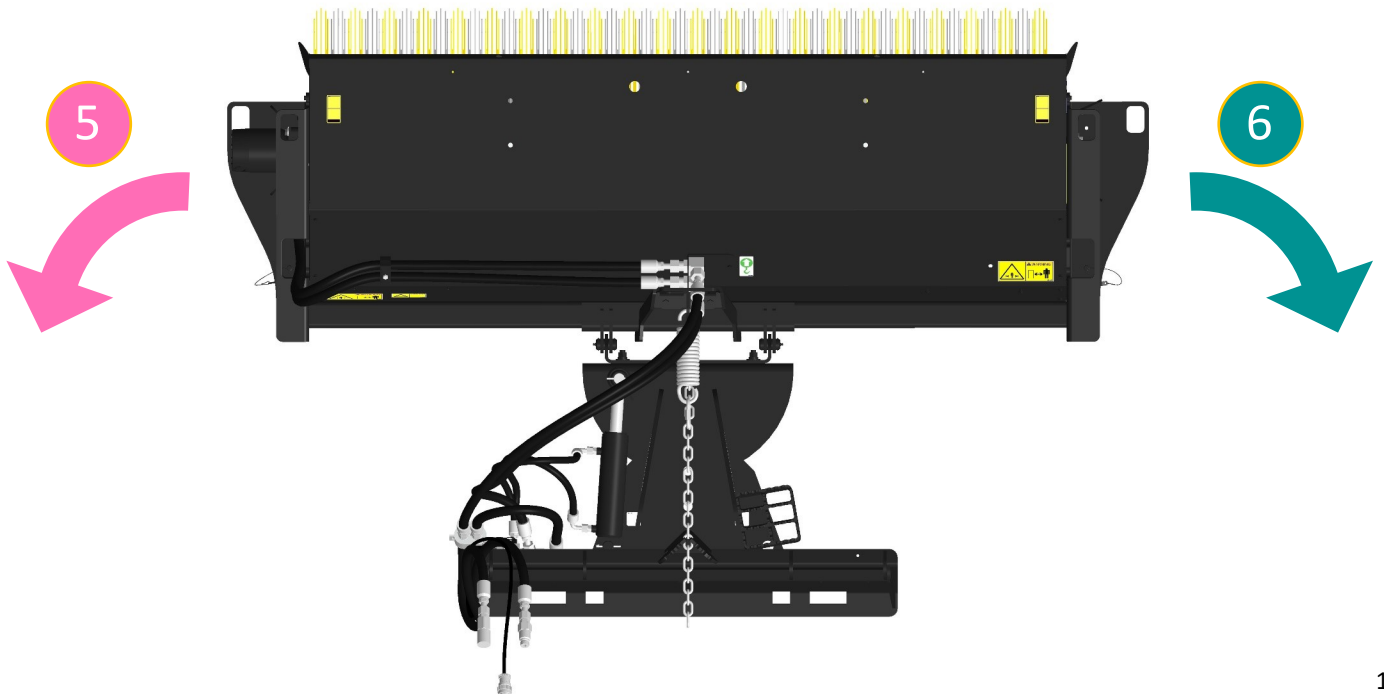
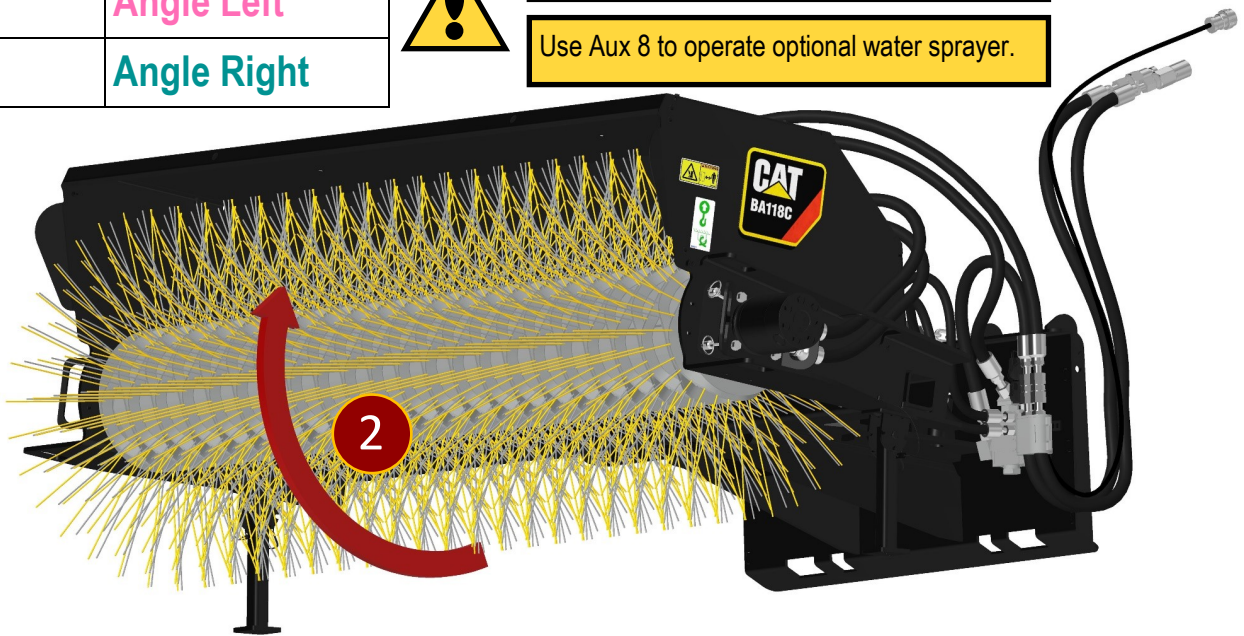
MODELS WITH HYDRAULIC ANGLE

BUTTONS	FUNCTION
5	Angle Left
6	Angle Right



Must be in Continuous Flow.

Use Aux 8 to operate optional water sprayer.

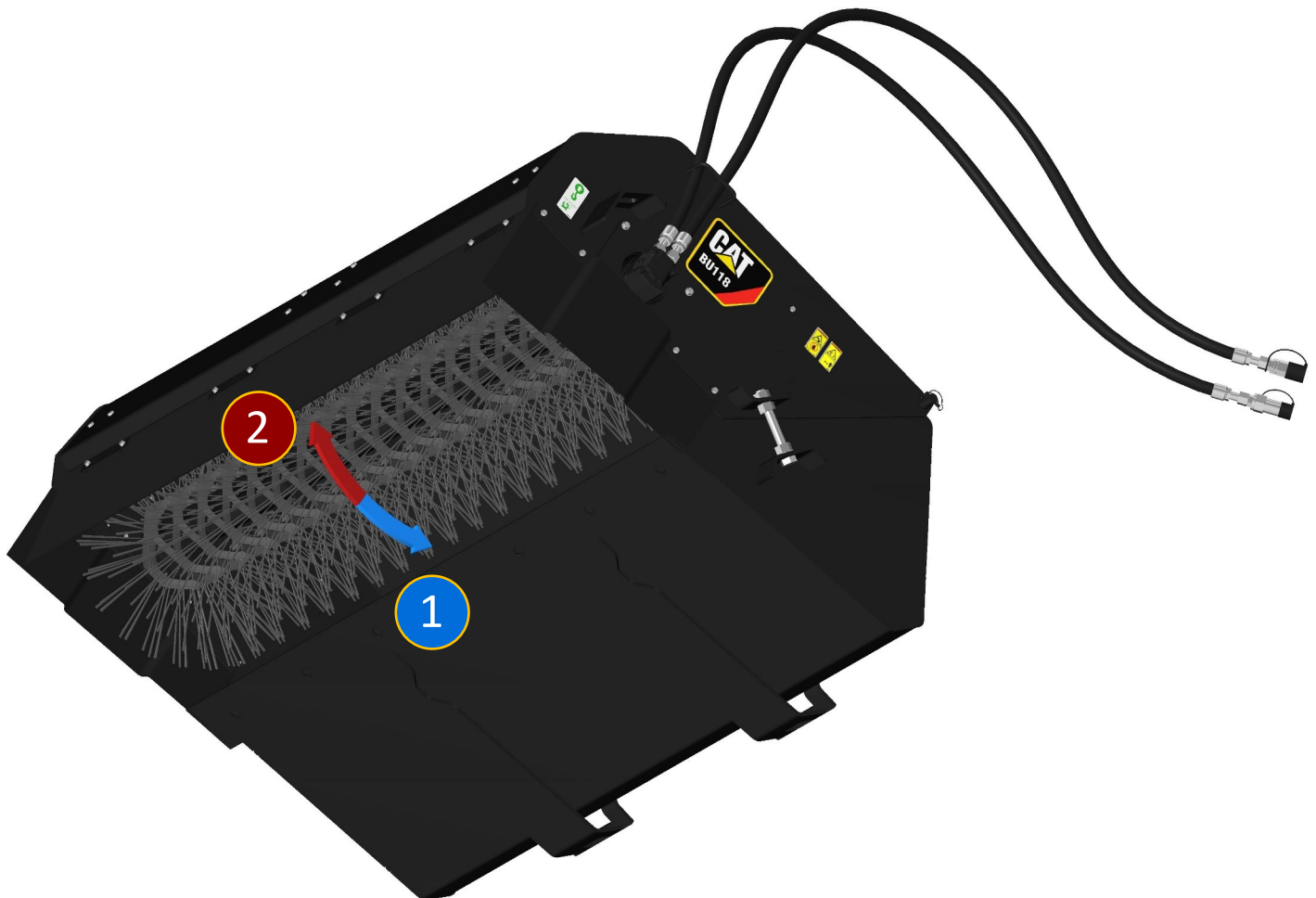
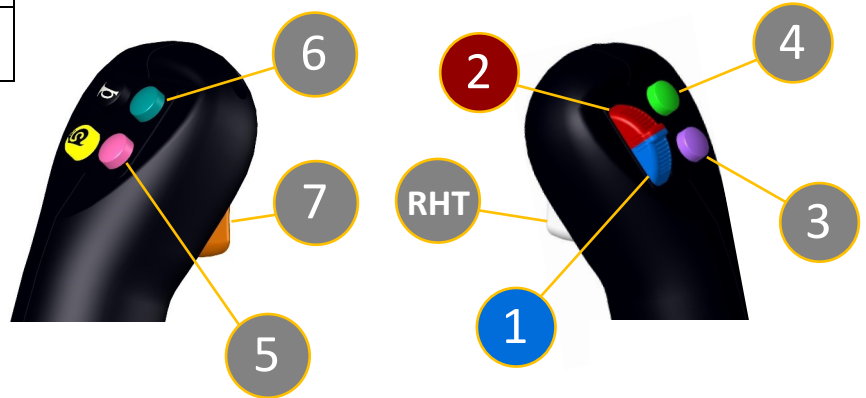


ALL MODELS

BUTTONS	FUNCTION
1	Dust Pan Rotation
2	Over Brush Rotation

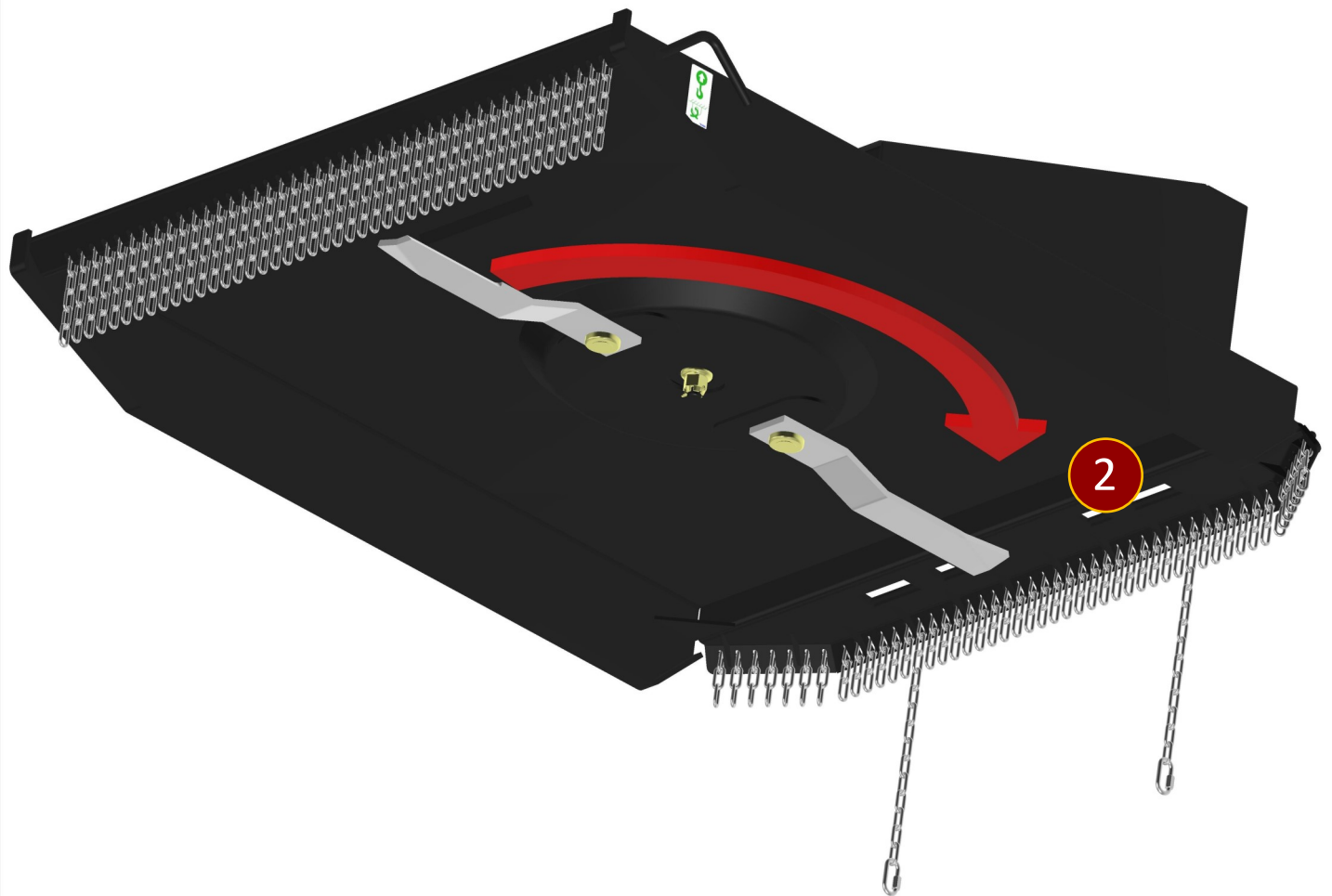
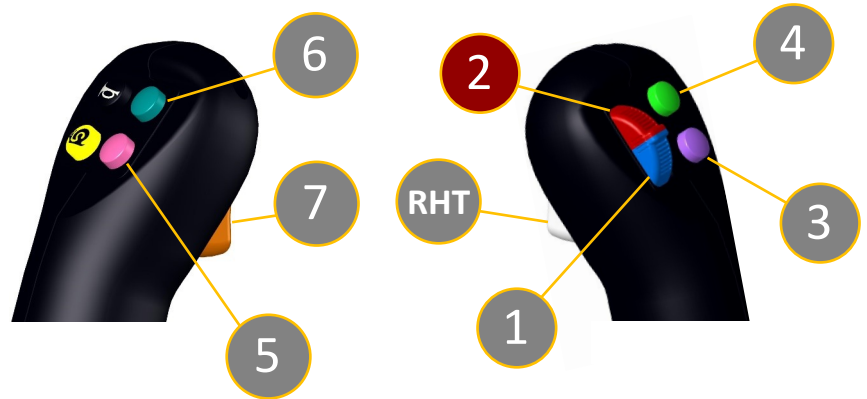


Use Aux 8 to operate optional water sprayer.



ALL MODELS

BUTTONS	FUNCTION
2	Forward



COLD PLANERS

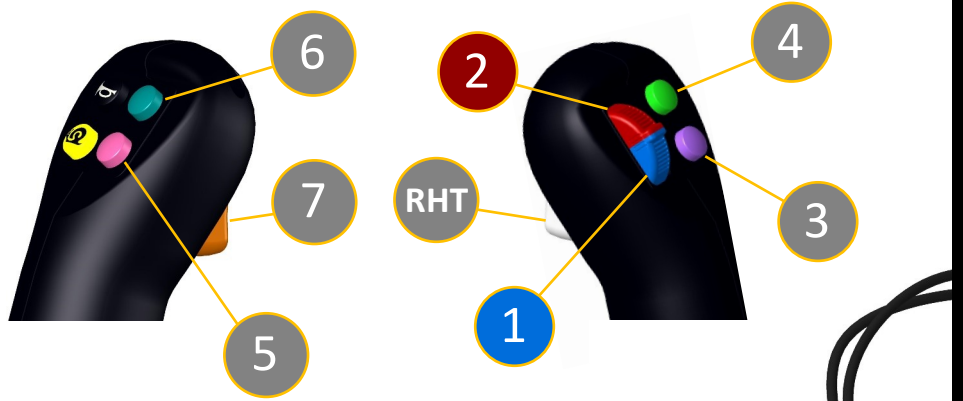


ALL MODELS

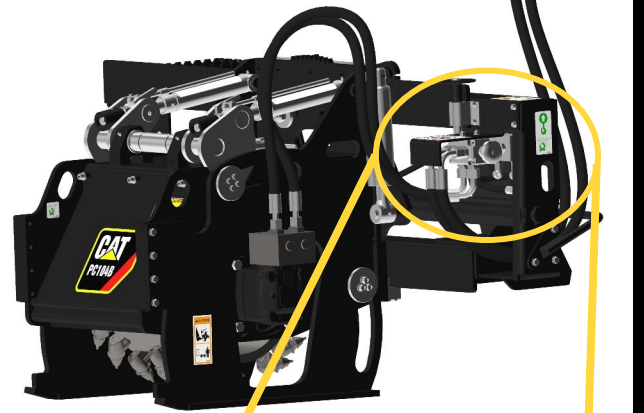
BUTTONS	FUNCTION
2	Drum Rotation

PC104B, PC205B

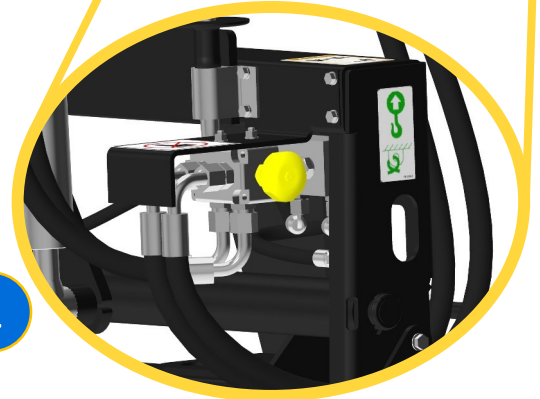
BUTTONS	FUNCTION
1	Shift Right
2	Shift Left



Use Aux 8 to operate optional water sprayer.



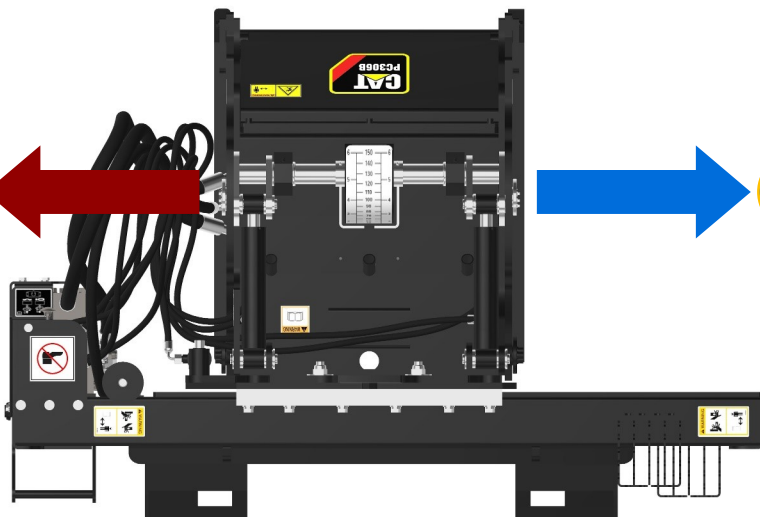
On PC104B and PC205B models, use this valve to switch to side shift function.



2



1

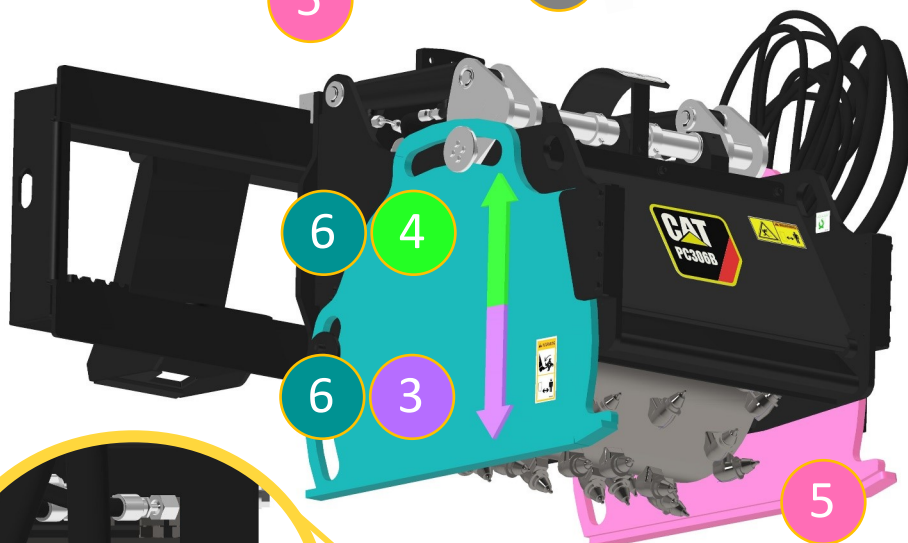


COLD PLANERS (CONT.)



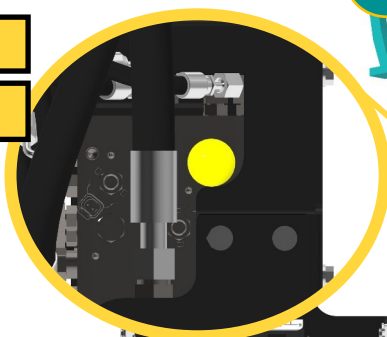
PC305B, PC306B, PC310B,
PC408B, PC412B

BUTTONS	FUNCTION
3	Shift Left
4	Shift Right
5+3	Left Skid Down
5+4	Left Skid Up
6+3	Right Skid Down
6+4	Right Skid Up
7+3	Tilt Drum Left
7+4	Tilt Drum Right

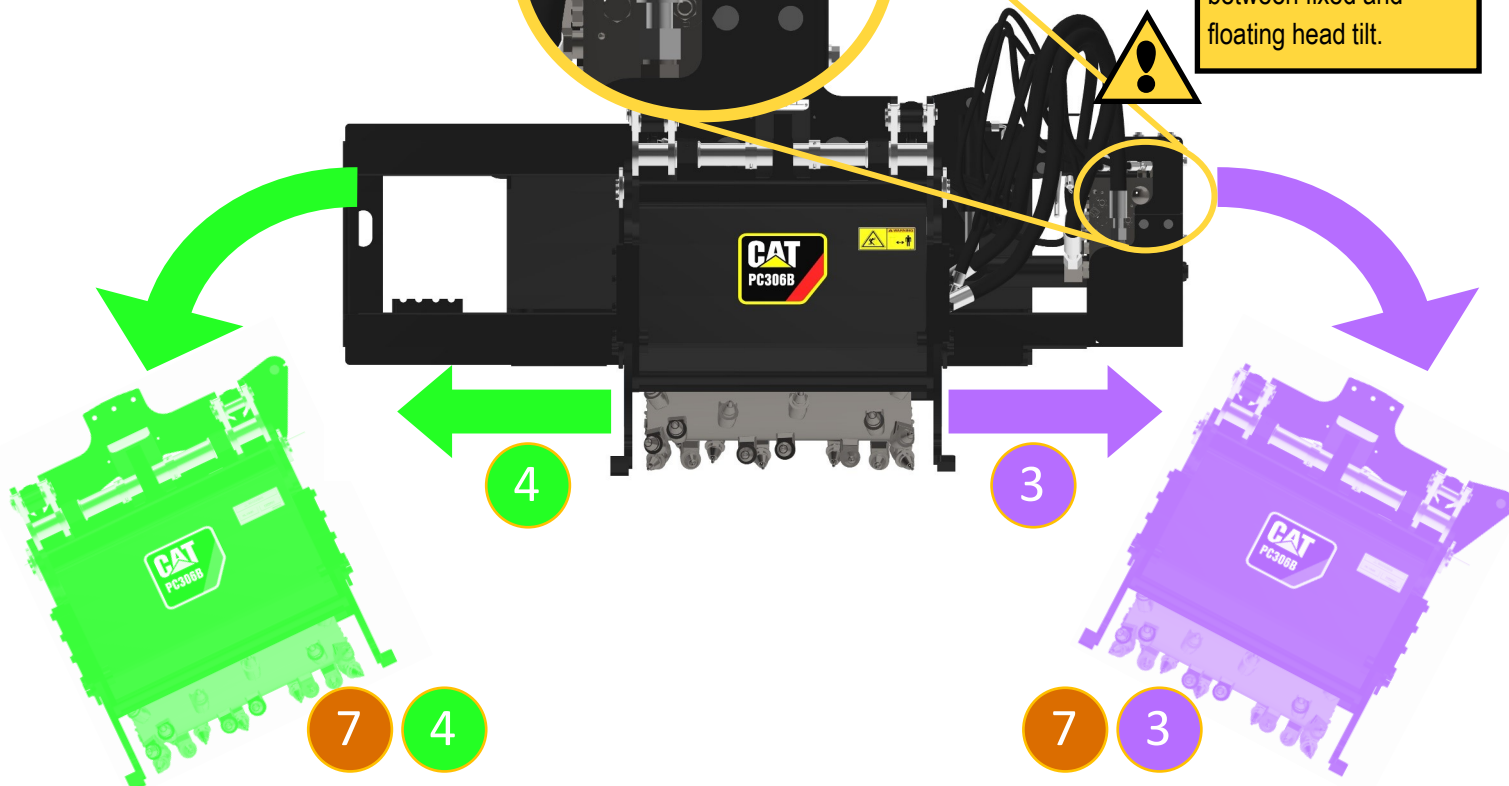


Must be in Continuous Flow.

Must have Aux 7 enabled.



Use this valve to switch between fixed and floating head tilt.

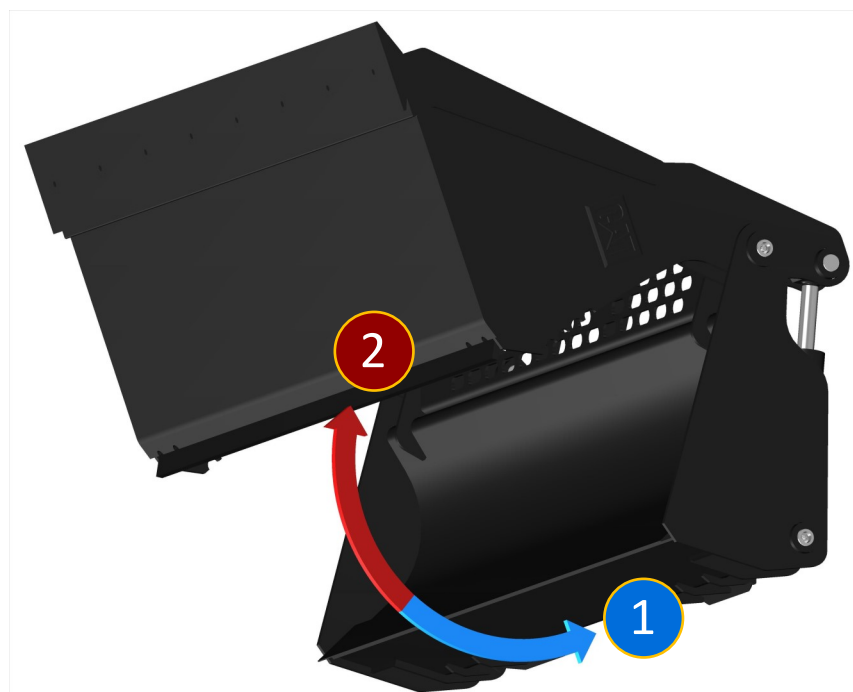
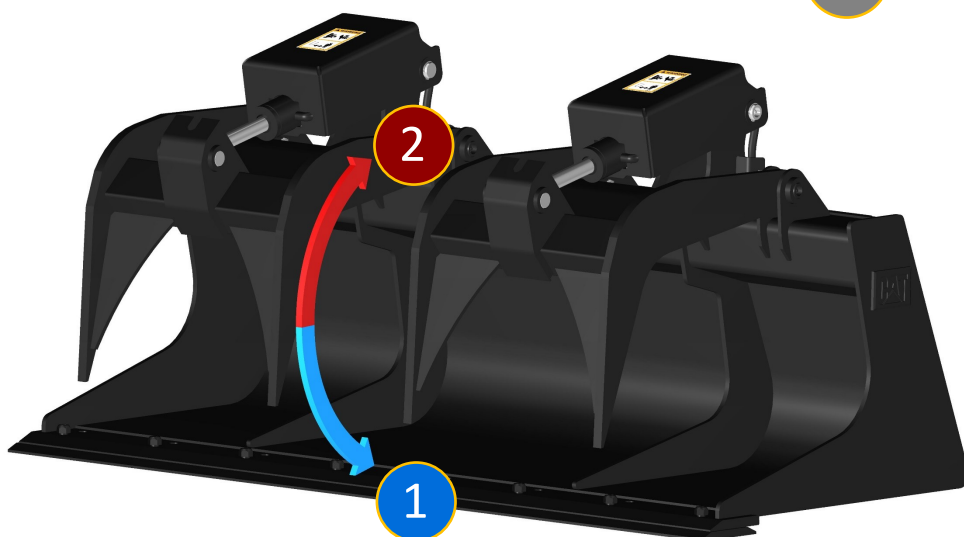
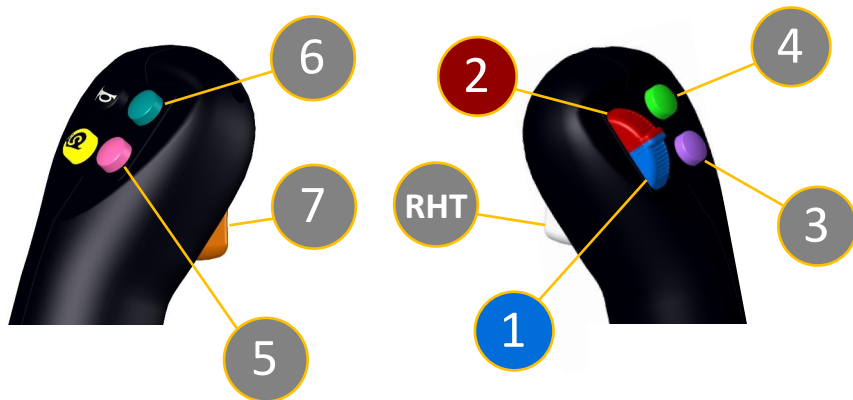


GRAPPLES, MULTI-PURPOSE BUCKETS



ALL MODELS

BUTTONS	FUNCTION
1	Close
2	Open

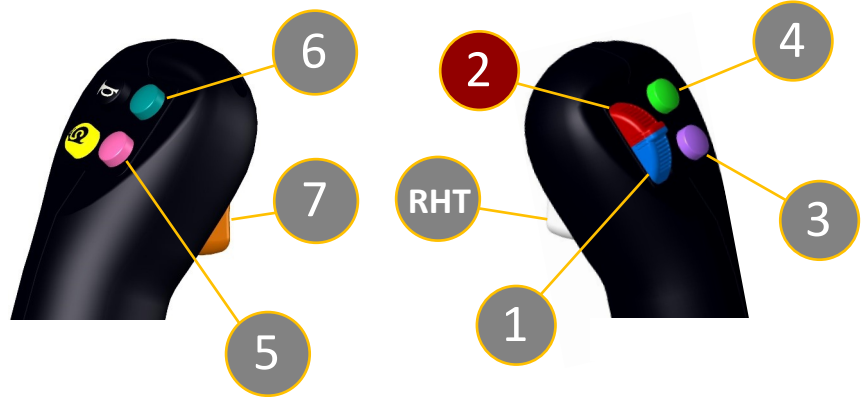


HAMMERS



ALL MODELS

BUTTONS	FUNCTION
2	Hammer

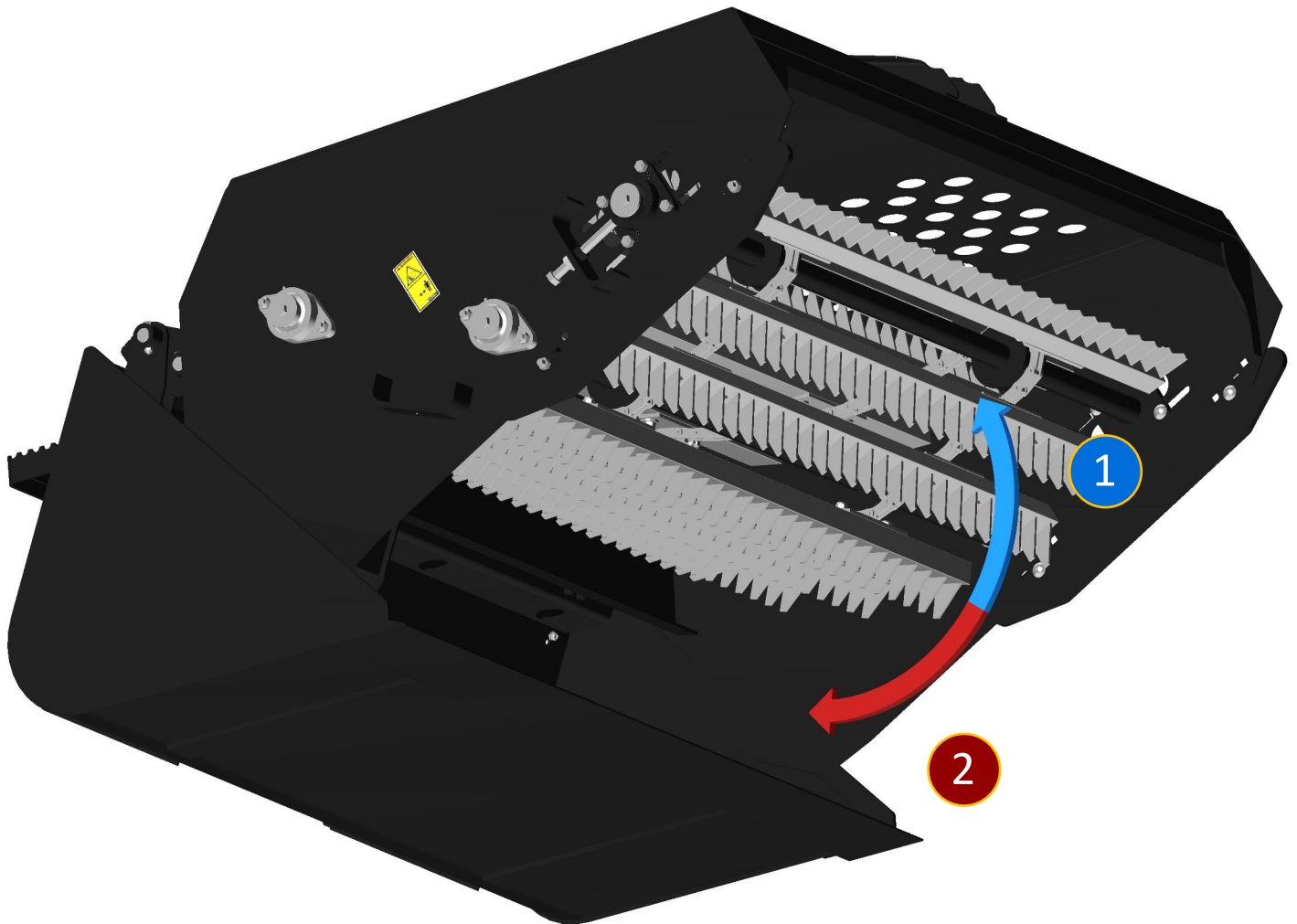
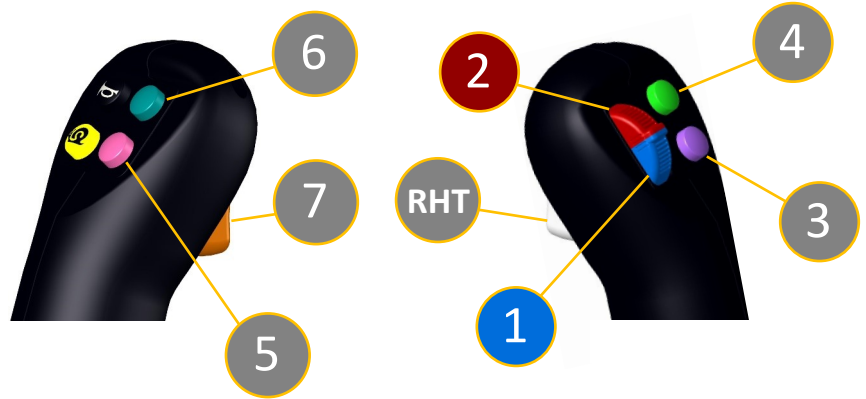


LANDSCAPE RAKES



ALL MODELS

BUTTONS	FUNCTION
1	Raise Hood
2	Rake

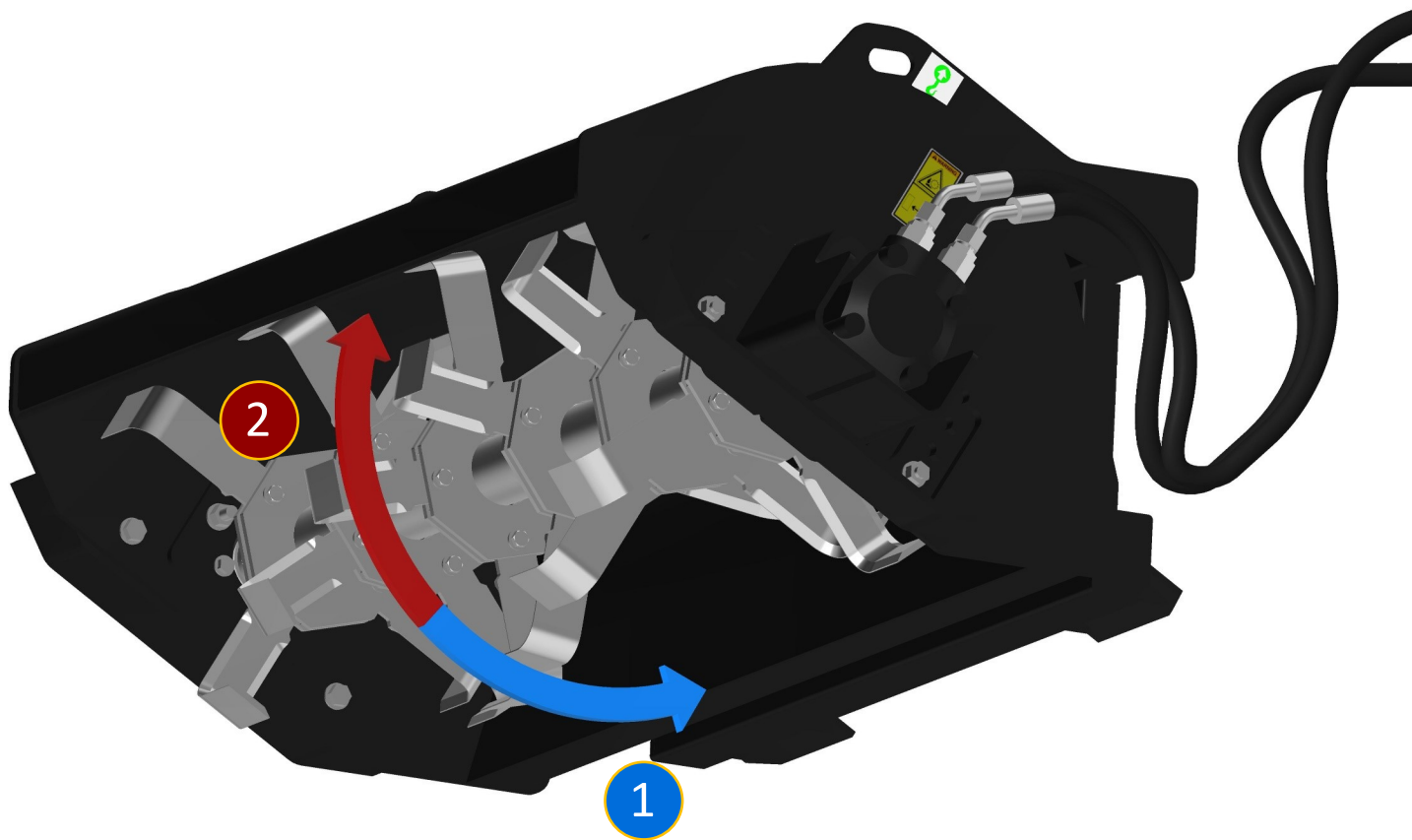
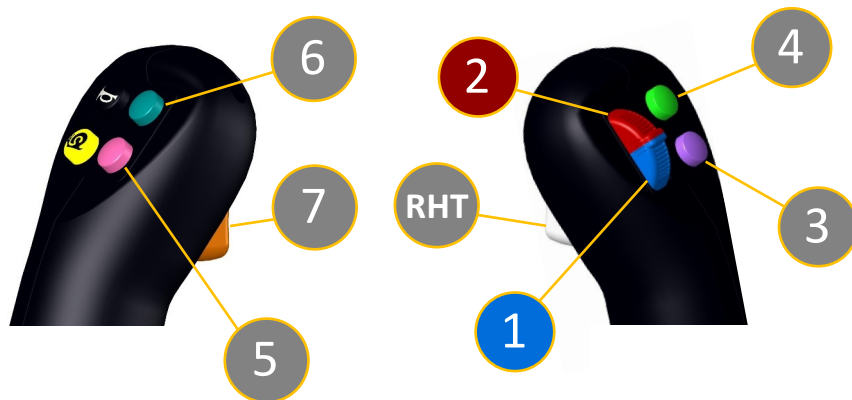


LANDSCAPE TILLERS



ALL MODELS

BUTTONS	FUNCTION
1	CCW Rotation
2	CW Rotation

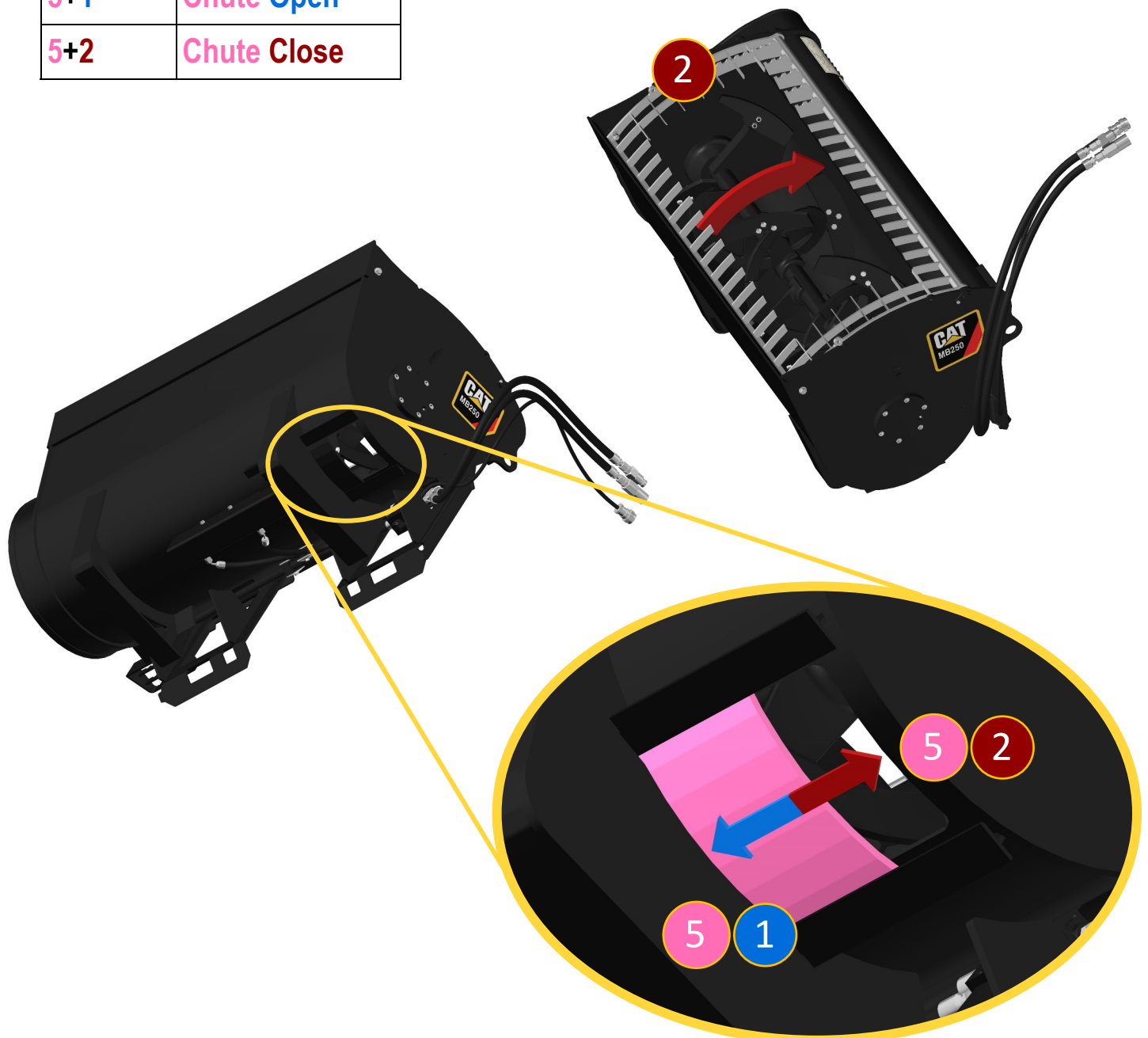
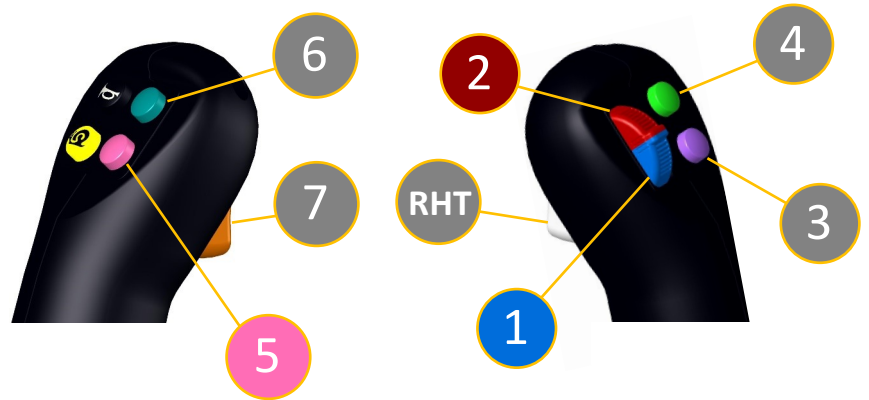


MIXING BUCKETS

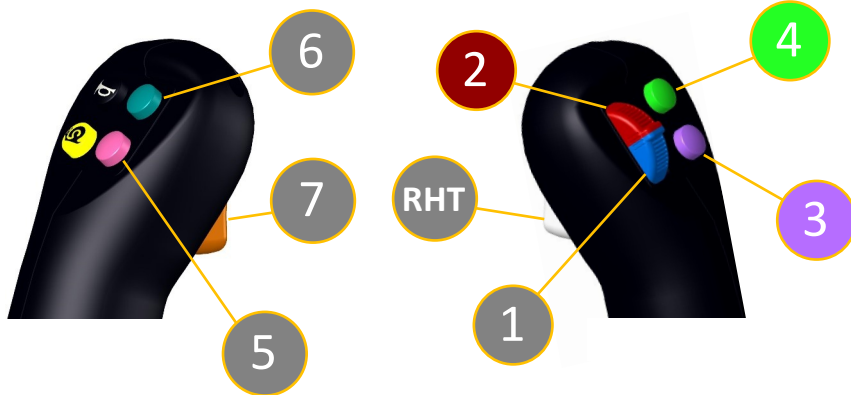


ALL MODELS

BUTTONS	FUNCTION
2	Mix
5+1	Chute Open
5+2	Chute Close



MULCHERS

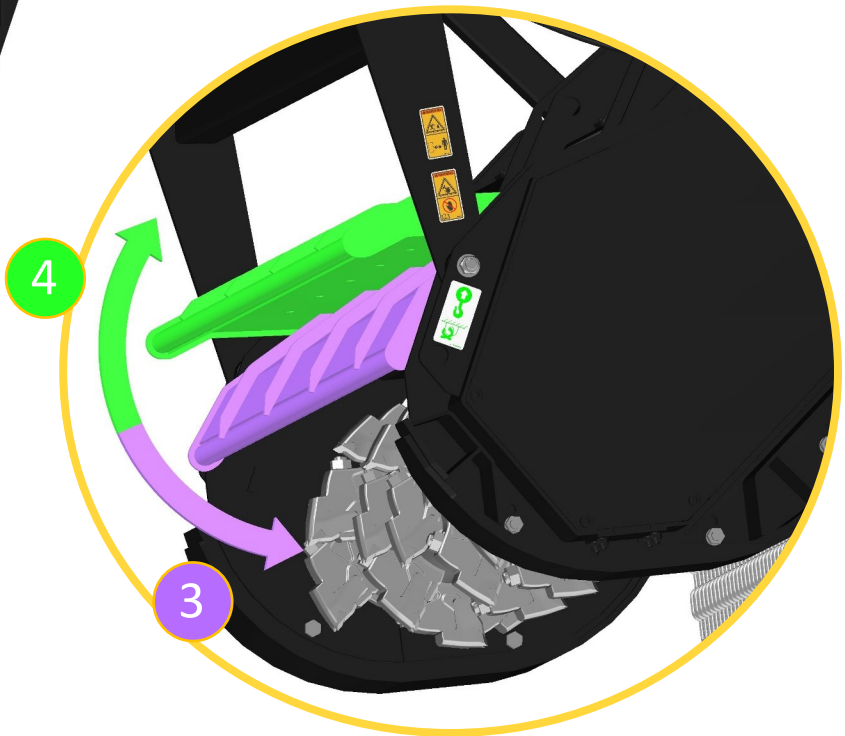
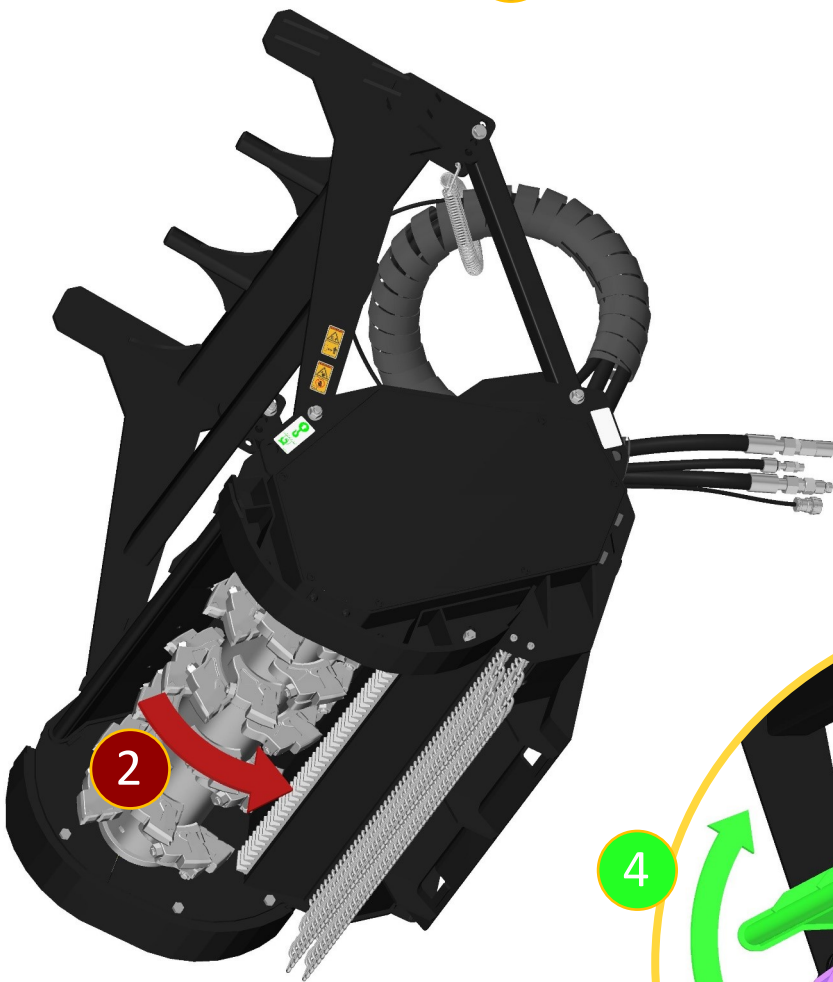


ALL MODELS

BUTTONS	FUNCTION
2	Mulch
3	Door Close
4	Door Open



Must be in Continuous Flow.

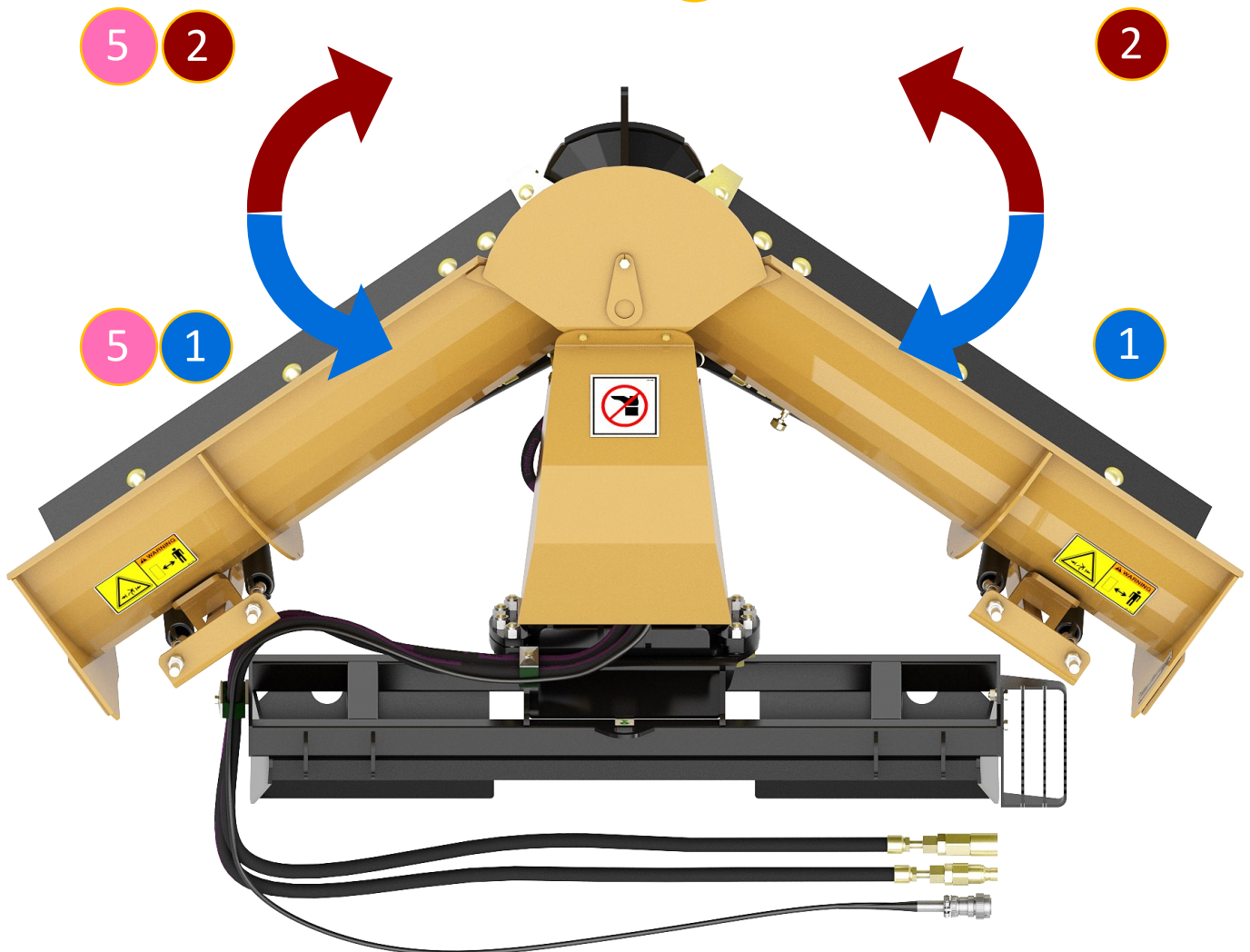
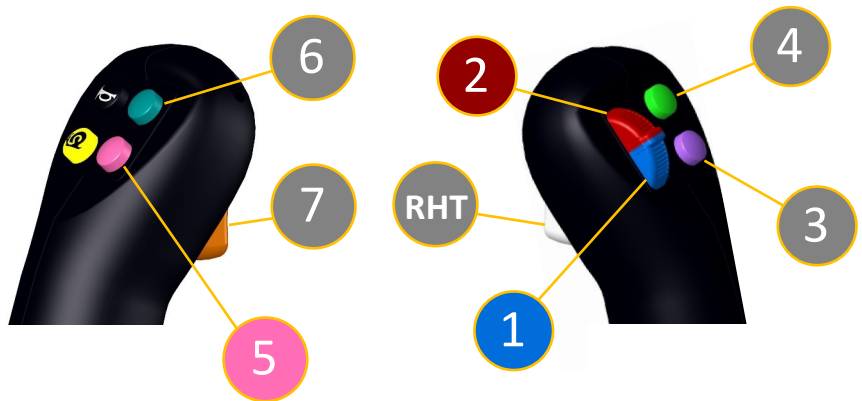


MULTI V-PLOWS



ALL MODELS

BUTTONS	FUNCTION
1	Right Side Back
2	Right Side Fwd
5+1	Left Side Back
5+2	Left Side Fwd

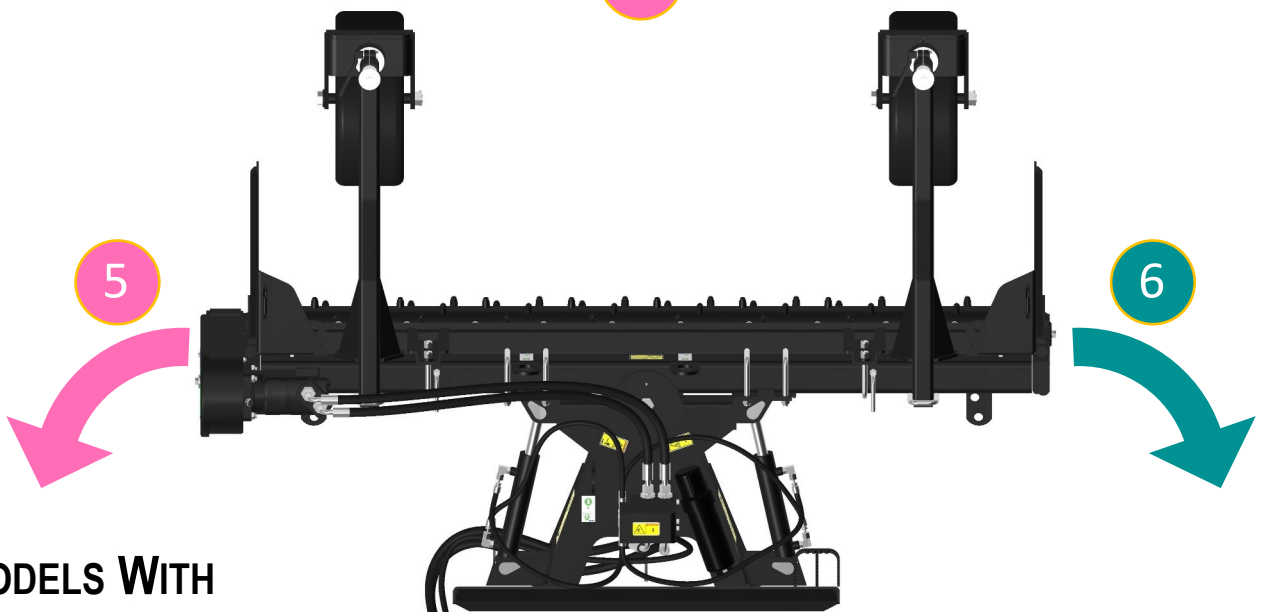
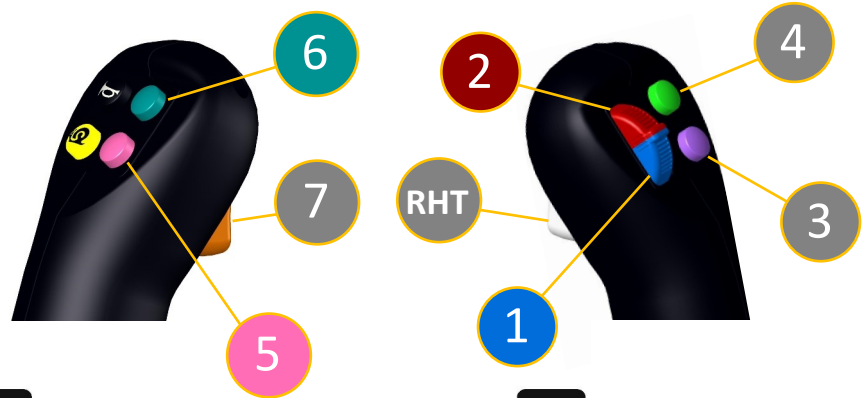


POWER BOX RAKES



ALL MODELS

BUTTONS	FUNCTION
1	Reverse
2	Forward

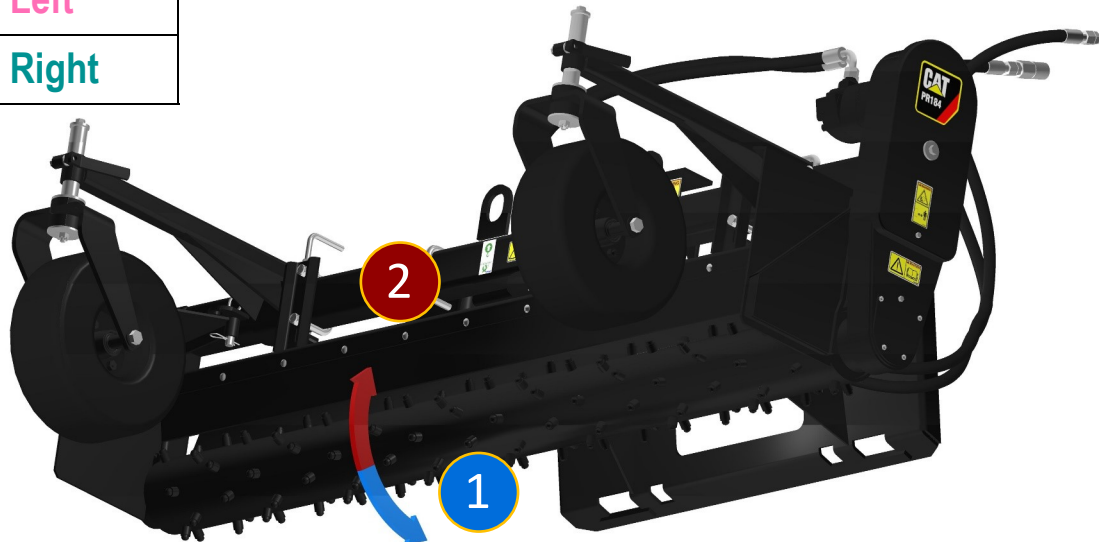


MODELS WITH HYDRAULIC ANGLE

BUTTONS	FUNCTION
5	Angle Left
6	Angle Right



Must be in Continuous Flow.

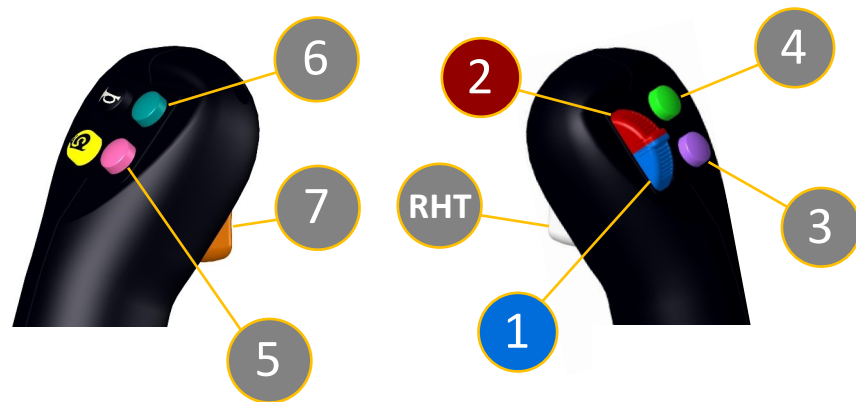


SIDE DISCHARGE BUCKETS



ALL MODELS

BUTTONS	FUNCTION
1	Discharge Right
2	Discharge Left

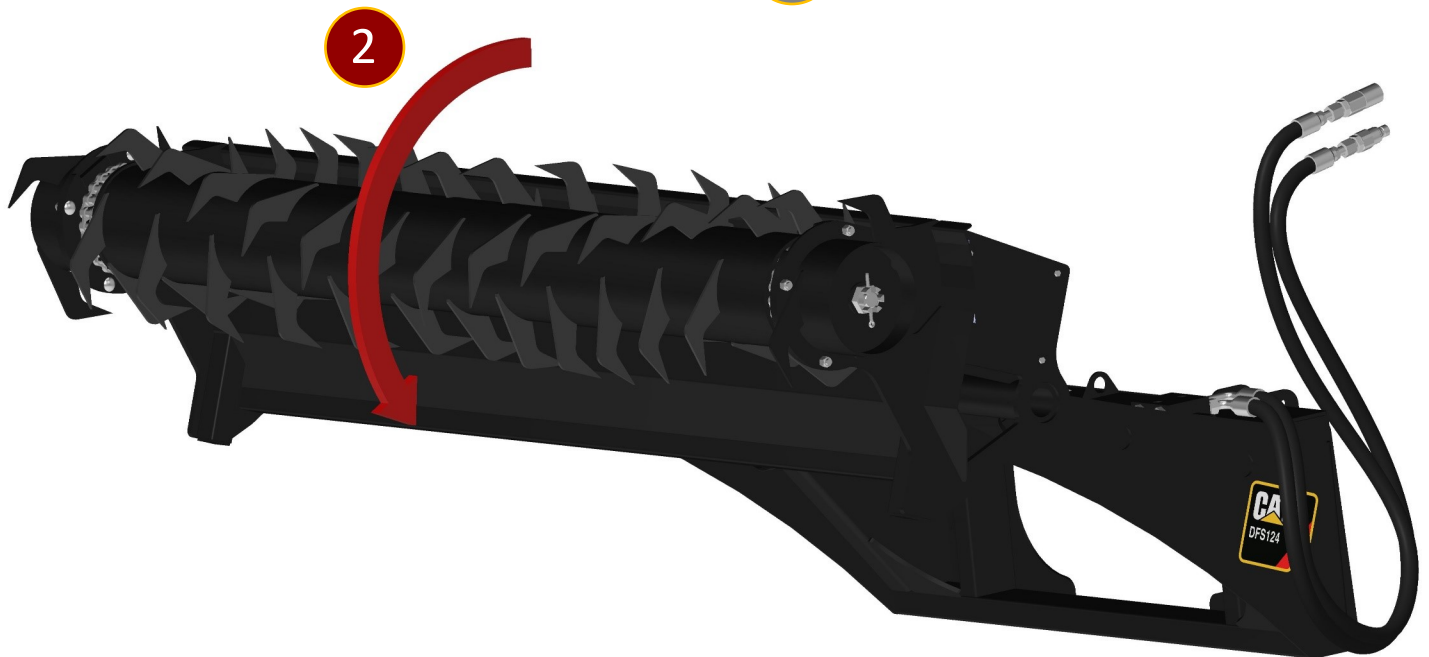
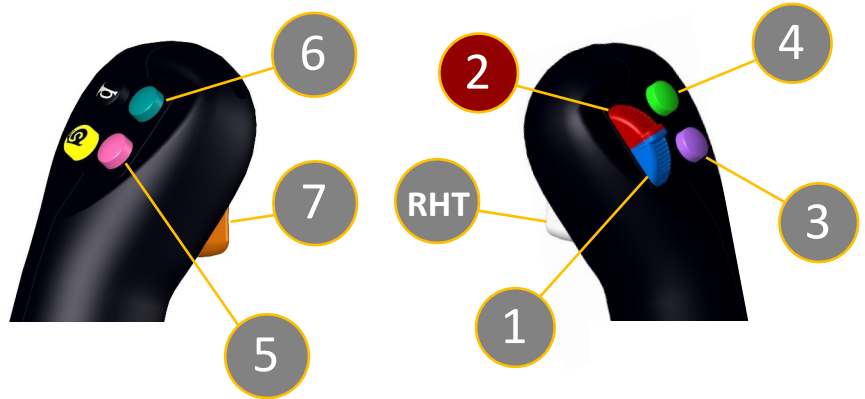


SILAGE DEFACERS



ALL MODELS

BUTTONS	FUNCTION
2	Rotation

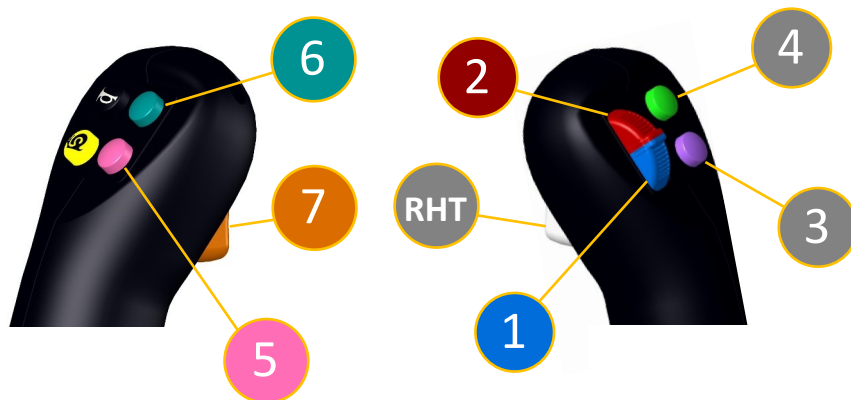


SNOW BLOWERS



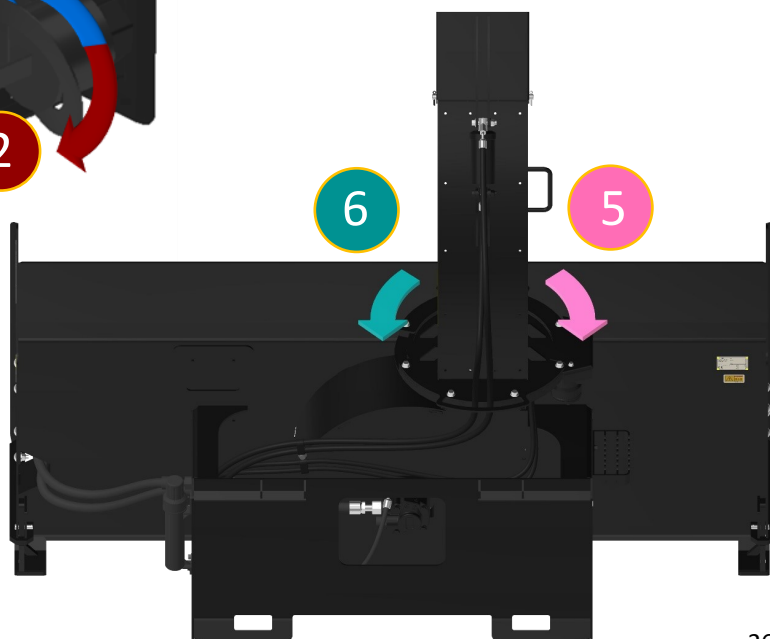
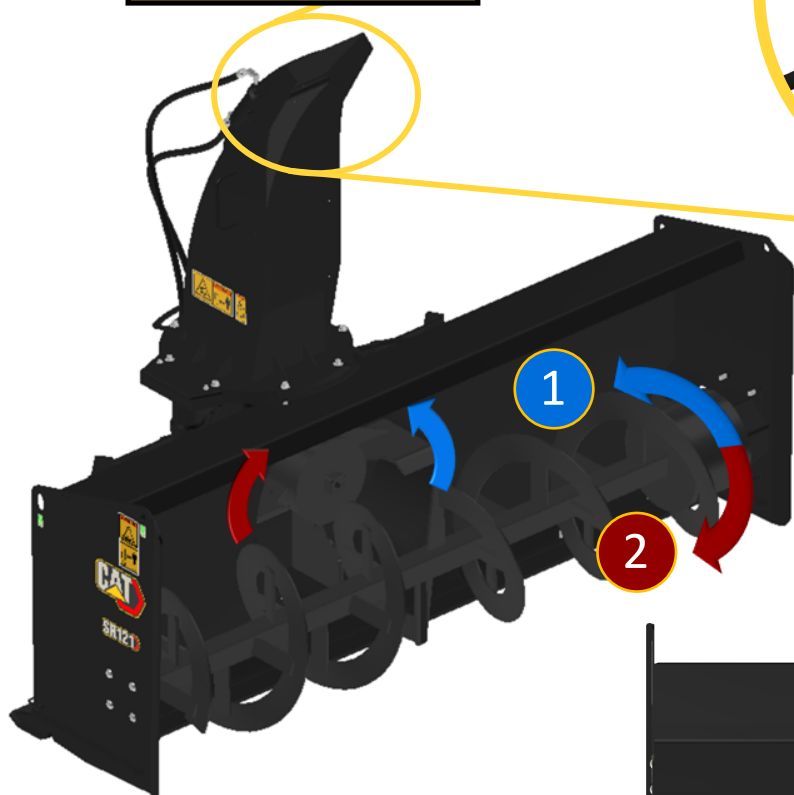
ALL MODELS

BUTTONS	FUNCTION
1	Reverse
2	Forward
5	Chute Right
6	Chute Left
7+5	Deflector Down
7+6	Deflector Up



Must be in Continuous Flow.

Must have Aux 7 enabled.



STUMP GRINDERS



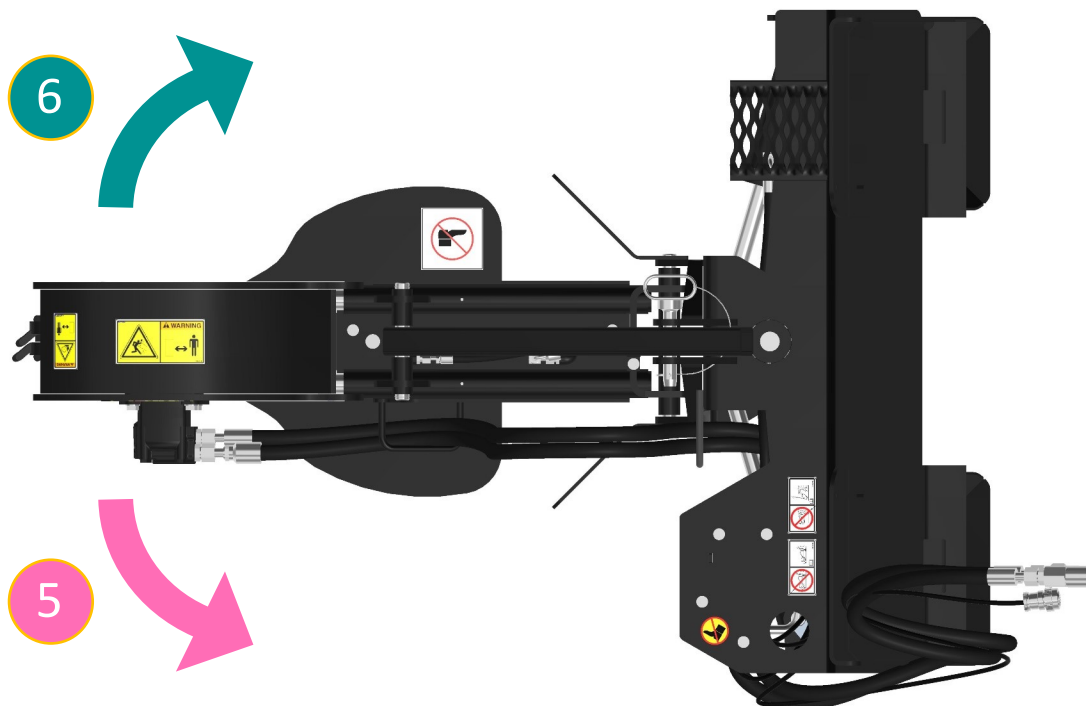
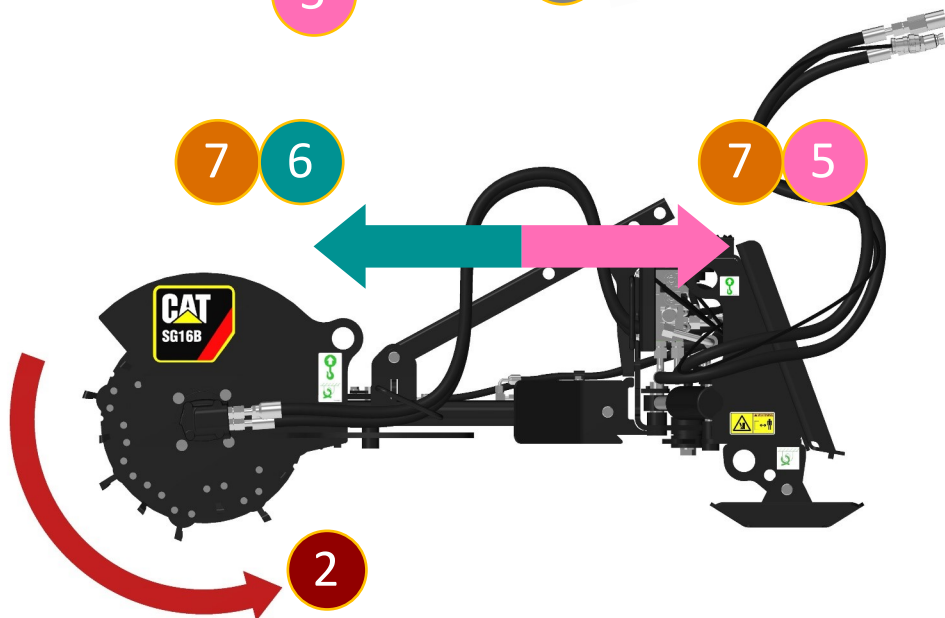
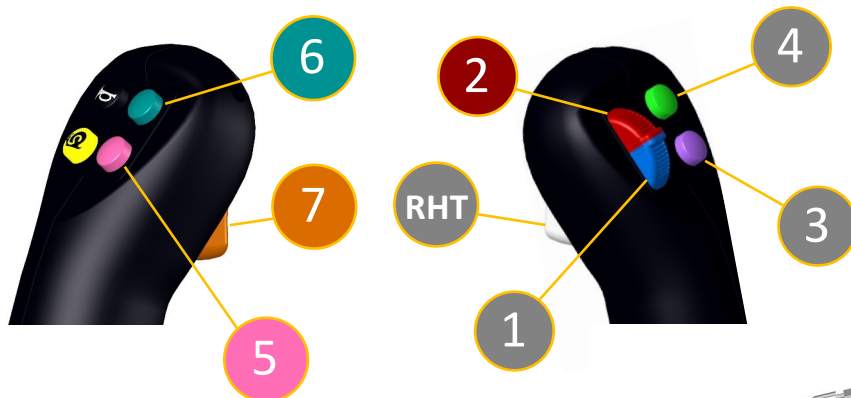
SG16B

BUTTONS	FUNCTION
2	Rotation
5	Swing Left
6	Swing Right
7+5	Retract
7+6	Extend



Must be in Continuous Flow.

Must have Aux 7 enabled.



STUMP GRINDERS (CONT.)

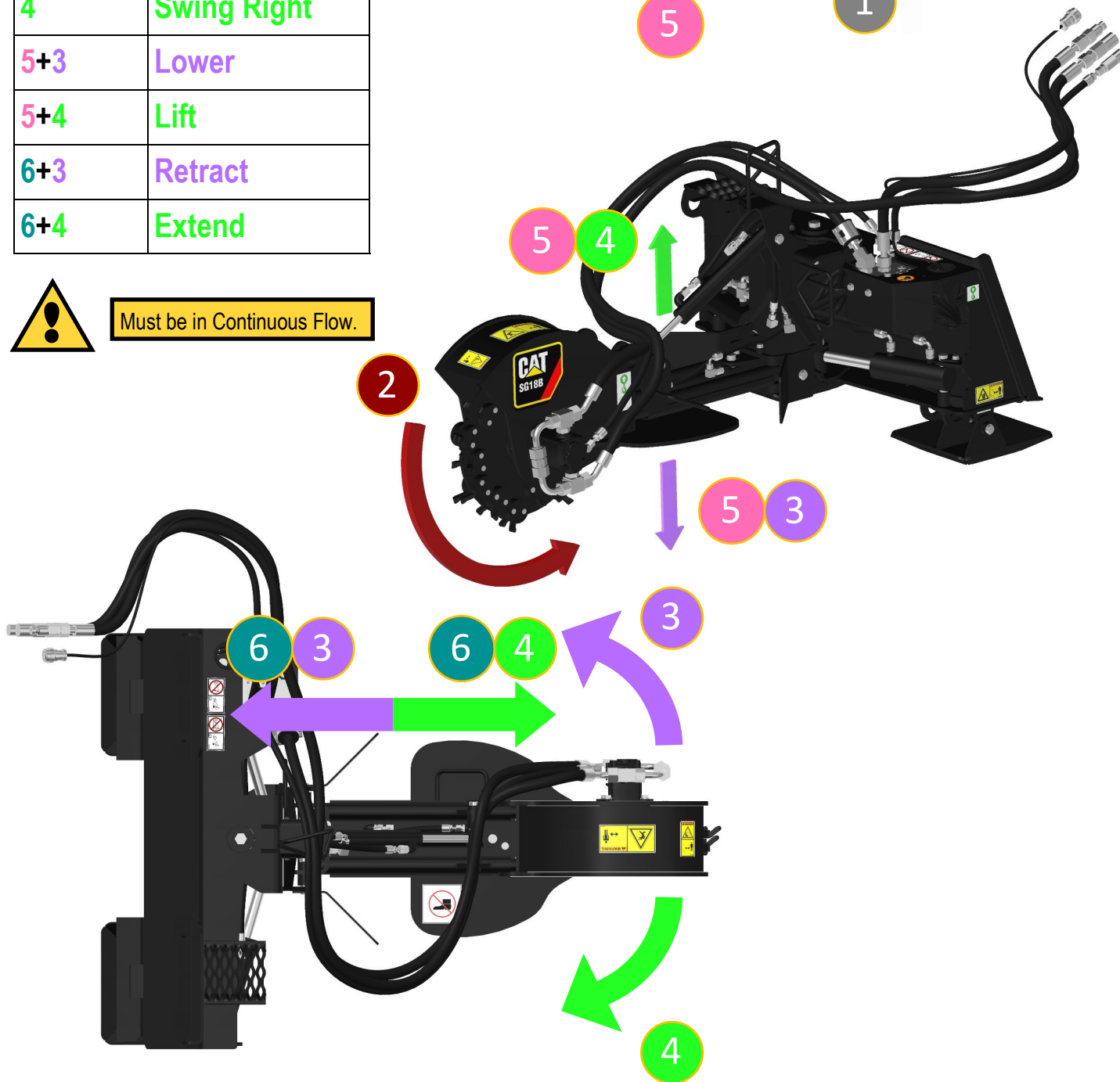
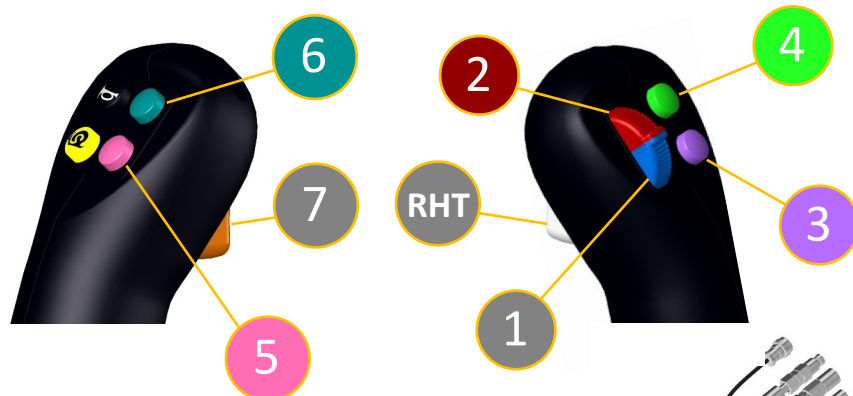


SG18B

BUTTONS	FUNCTION
2	Rotation
3	Swing Left
4	Swing Right
5+3	Lower
5+4	Lift
6+3	Retract
6+4	Extend



Must be in Continuous Flow.

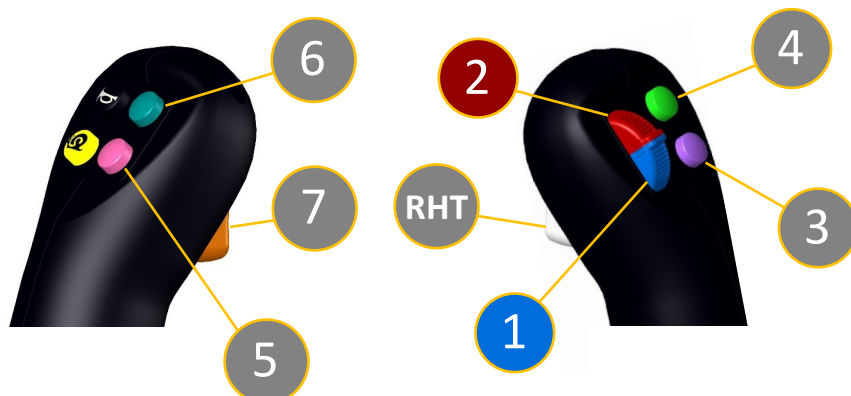


TRENCHERS



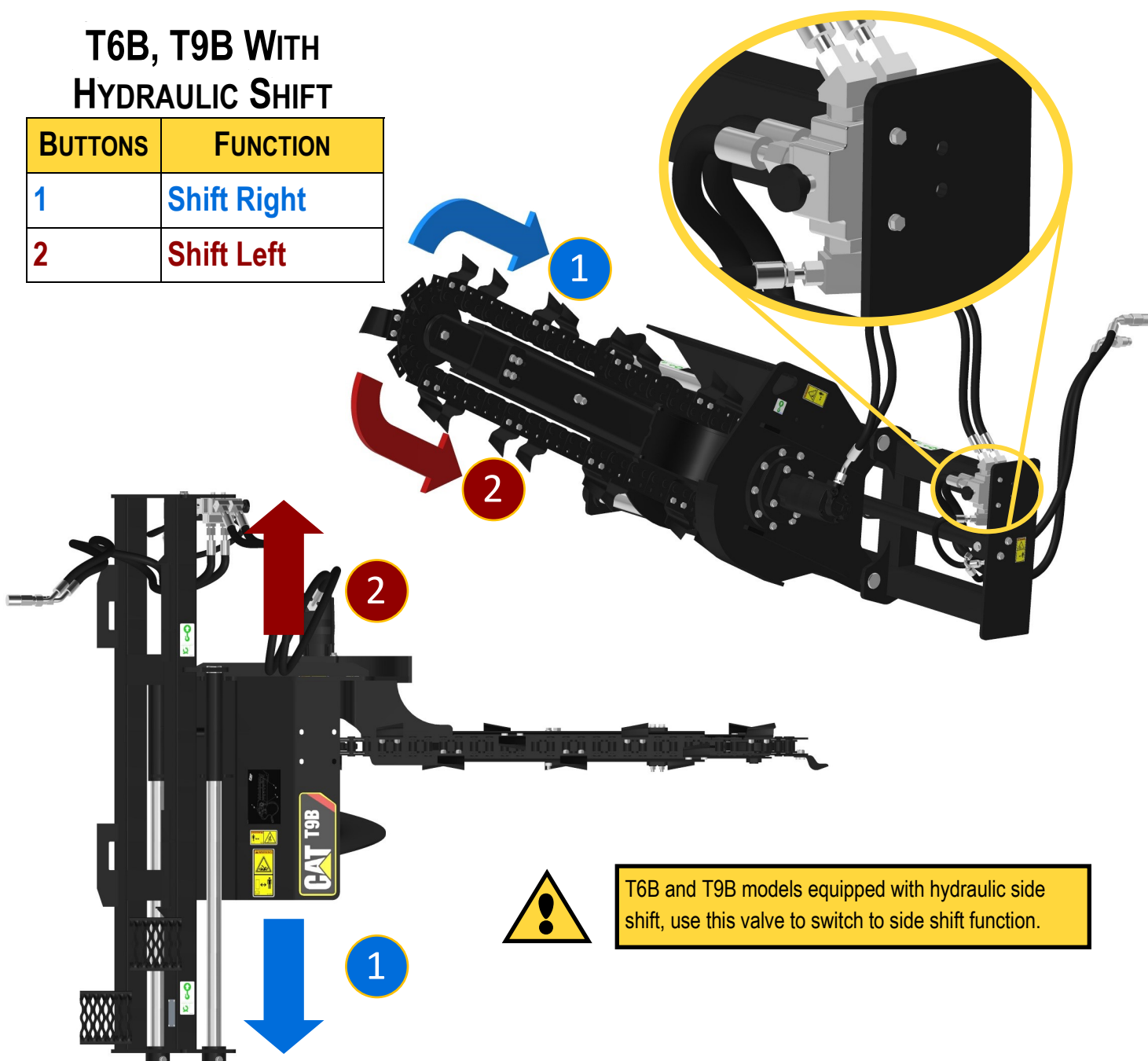
ALL MODELS

BUTTONS	FUNCTION
1	Reverse
2	Forward



T6B, T9B WITH HYDRAULIC SHIFT

BUTTONS	FUNCTION
1	Shift Right
2	Shift Left



TRENCHERS (CONT.)

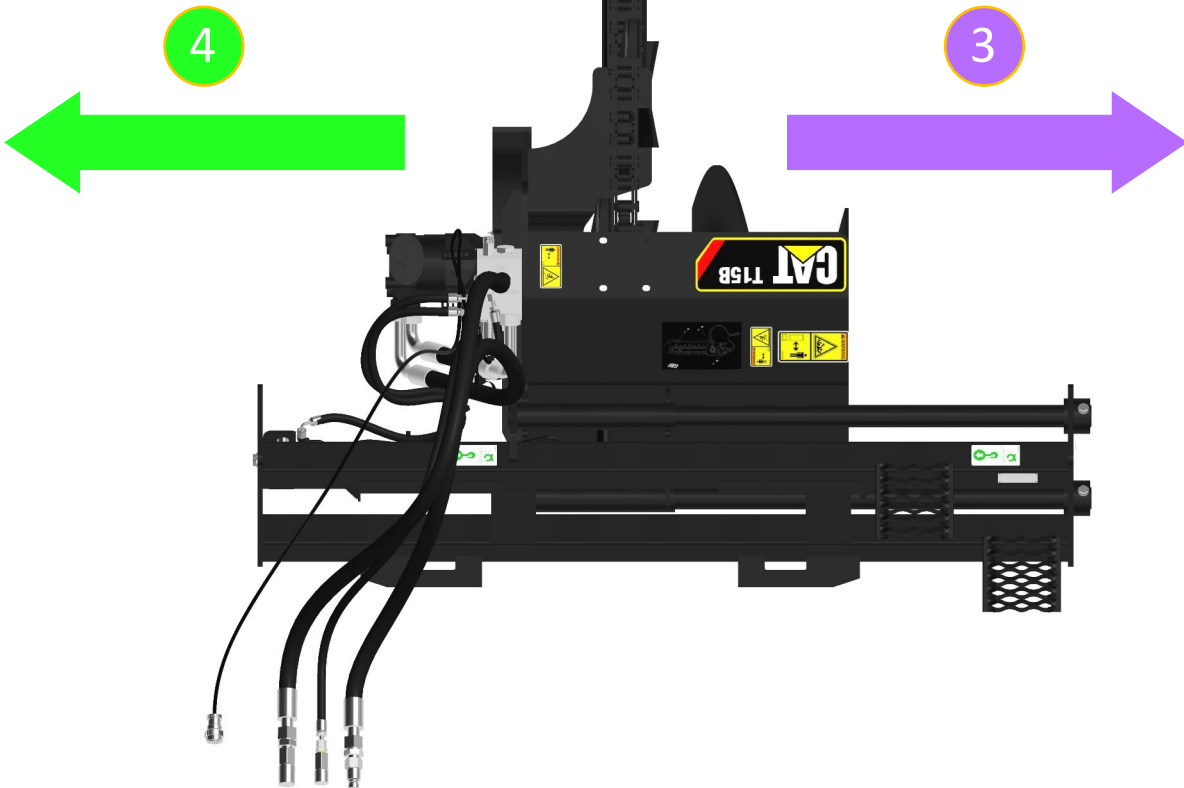
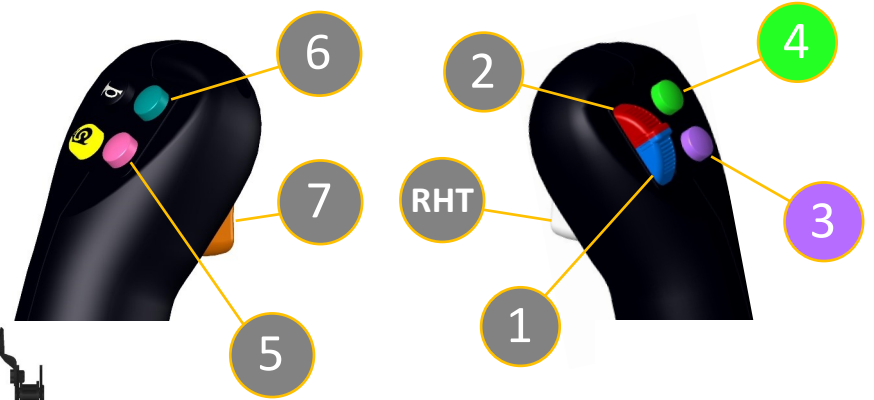


T15B

BUTTONS	FUNCTION
3	Shift Right
4	Shift Left



Must be in Continuous Flow.

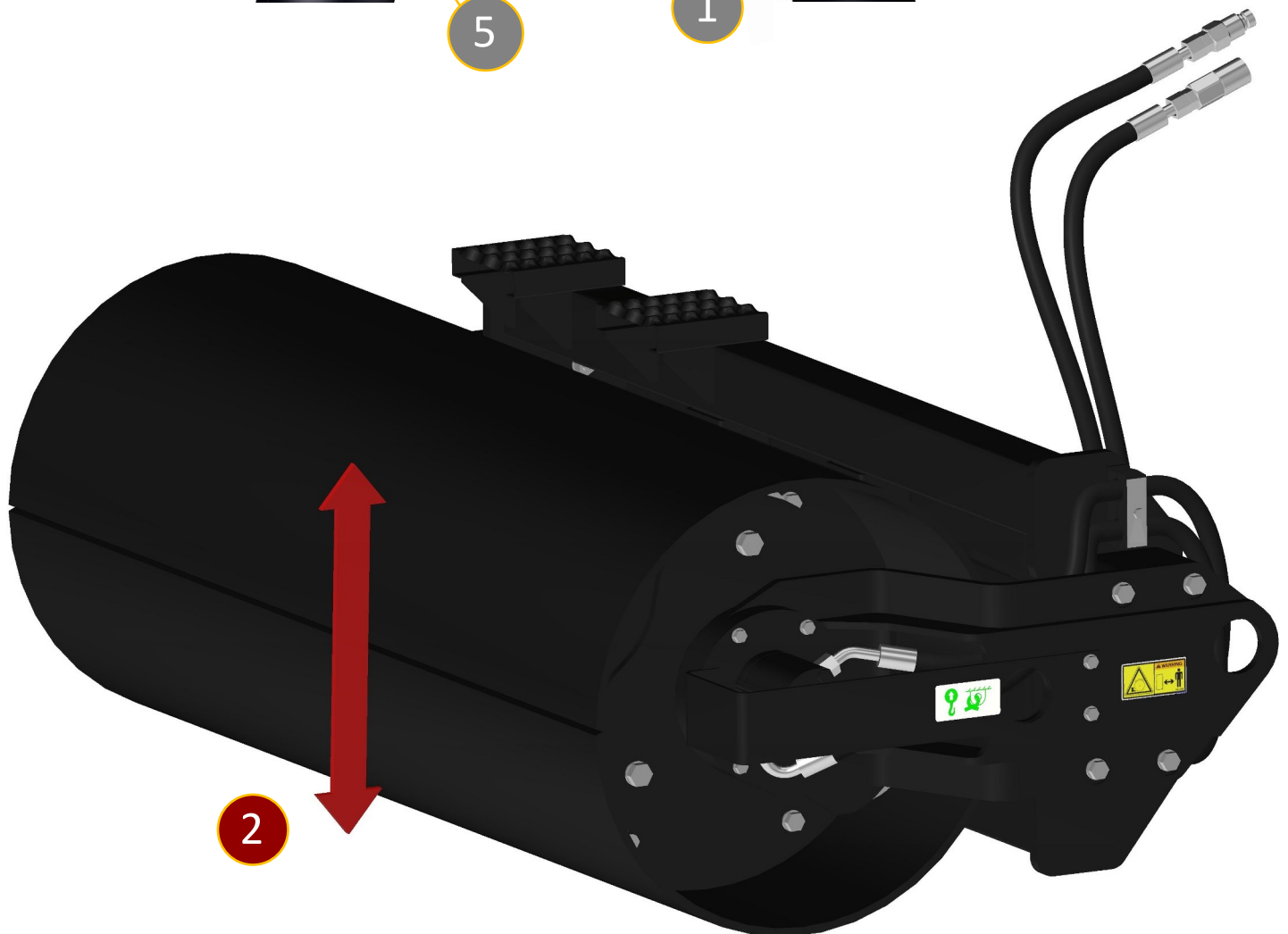
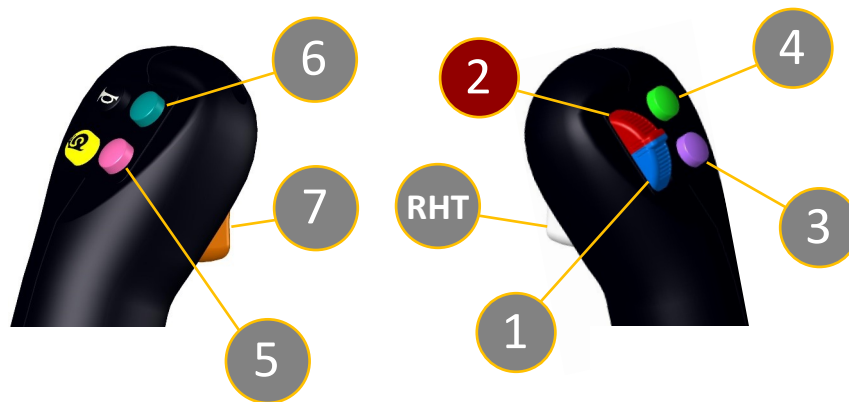


VIBRATORY DRUM COMPACTORS



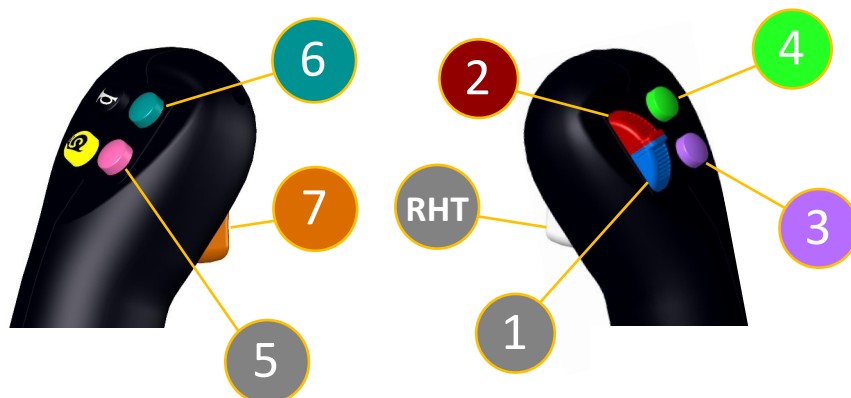
ALL MODELS

BUTTONS	FUNCTION
2	Vibration



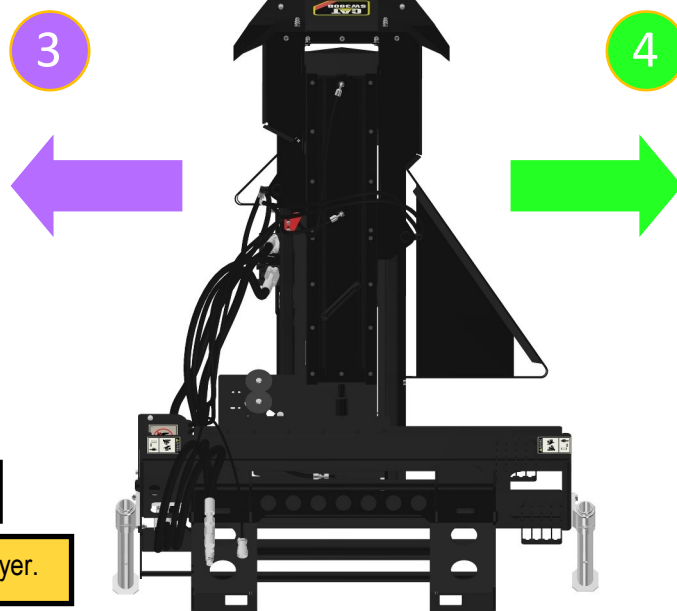
ALL MODELS

BUTTONS	FUNCTION
2	Wheel Rotation
3	Shift Left
4	Shift Right
6+3	Skids Up
6+4	Skids Down



MODELS WITH TRENCH CLEANER

BUTTONS	FUNCTION
7+3	Trench Clean Up
7+4	Trench Clean Down



Must be in Continuous Flow.

Must have Aux Function 7 enabled.

Use Aux 8 to operate optional water sprayer.

