



Technical Rescue- Tool Time

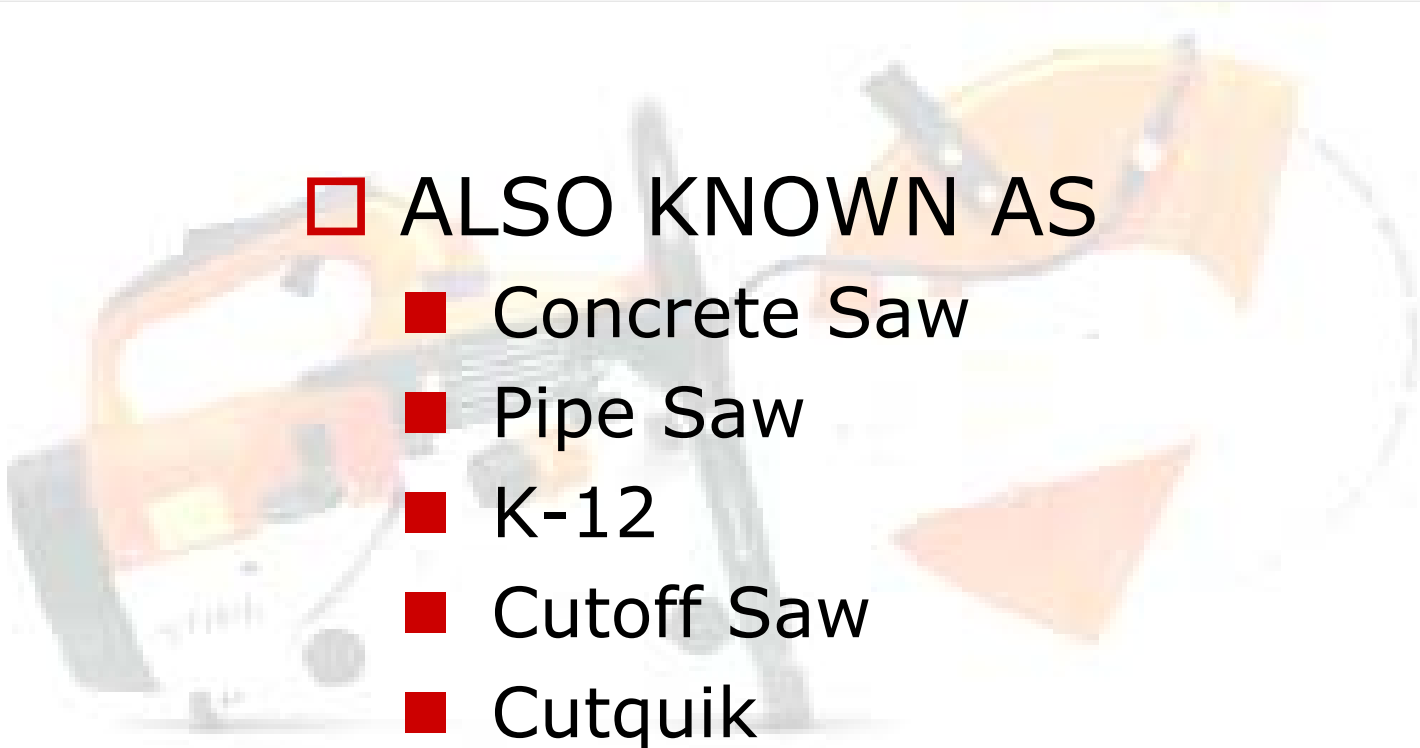
STIHL CIRCULAR SAW

K-12

Stihl Circular Saw

□ ALSO KNOWN AS

- Concrete Saw
- Pipe Saw
- K-12
- Cutoff Saw
- Cutquik



Stihl Circular Saw

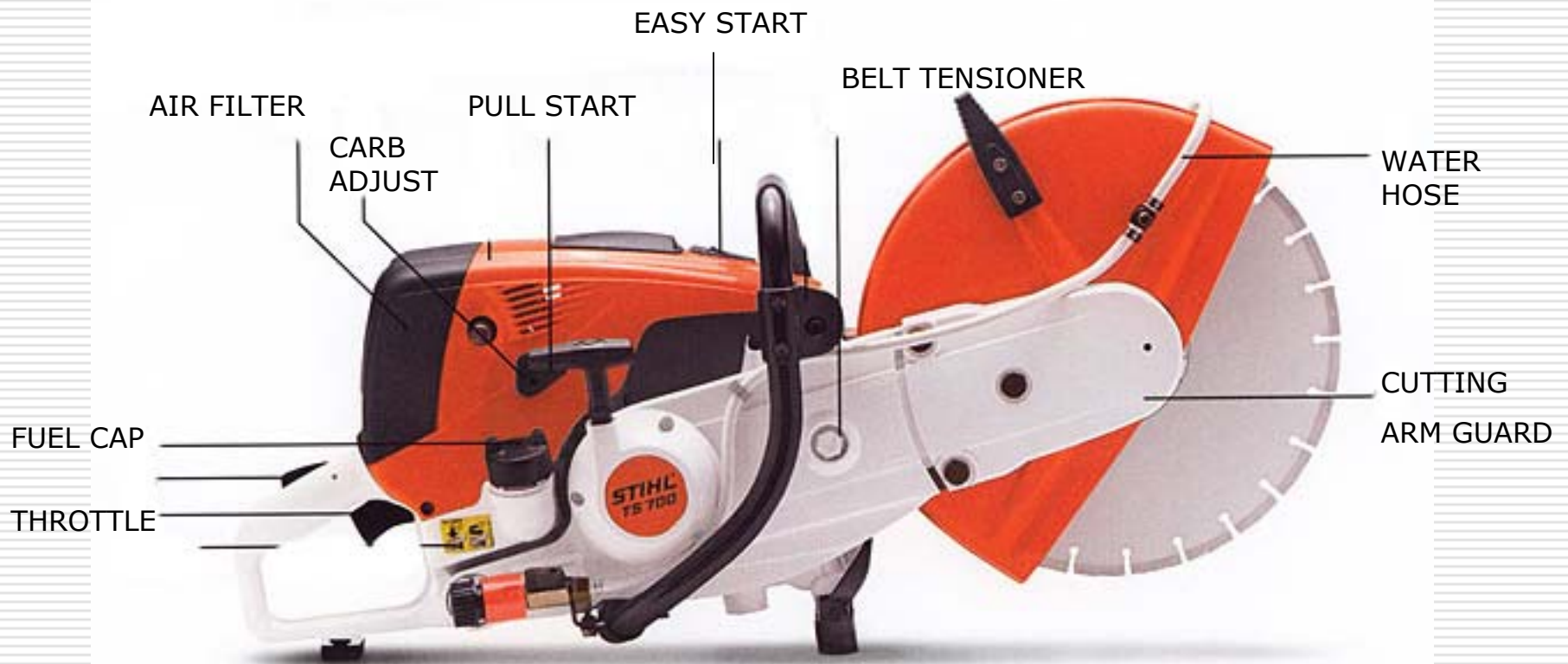
- District #3 has two models:
 - TS 400
 - TS 700



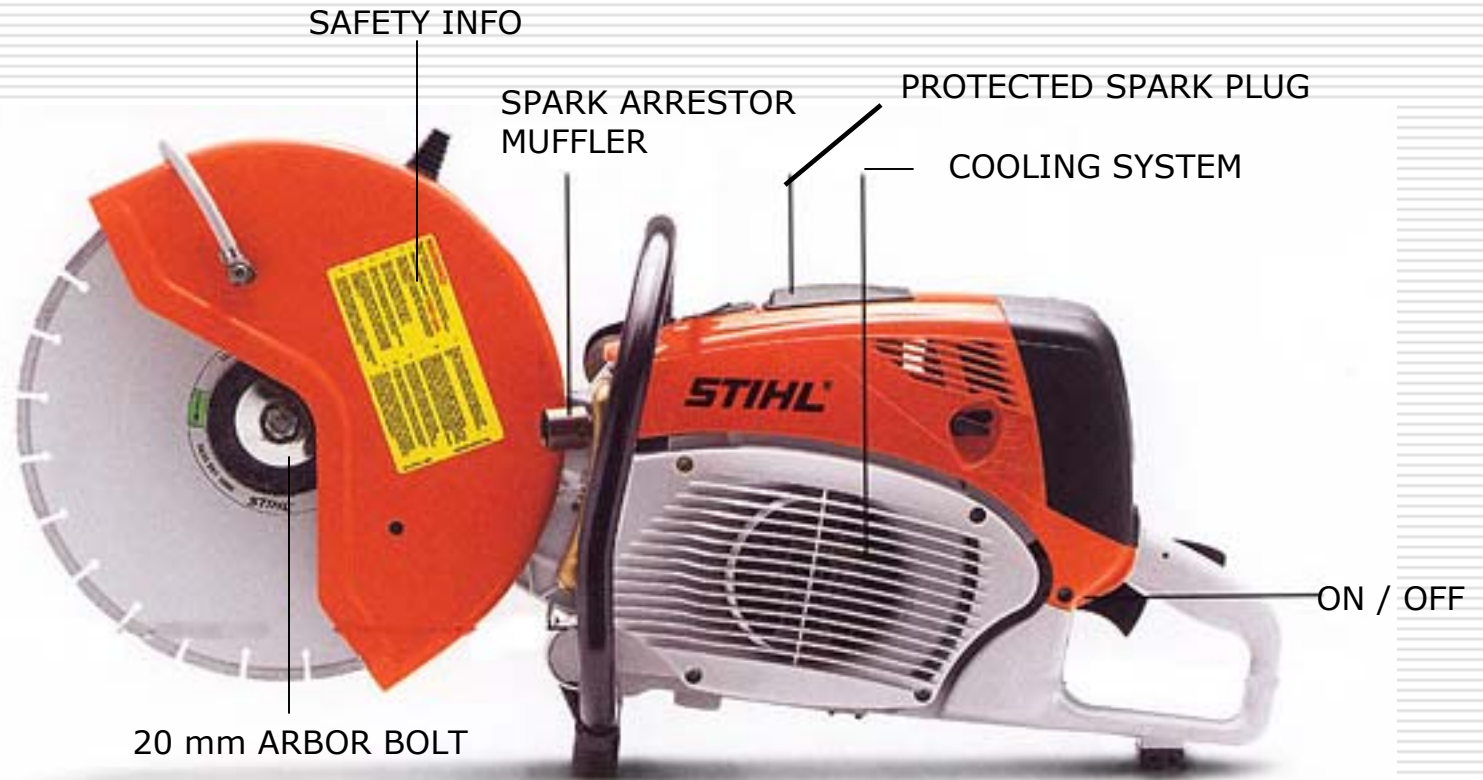
Cut-off Comparison Chart

Model	TS 400	TS 700
Displacement	3.9 cu. In. (64 cc)	6.0 cu. In. (98.5 cc)
Engine Power	4.4 bhp (3.2kW)	6.7 bhp (5.0 kW)
Weight	20.8 lbs.	26.2 lbs.
Fuel Capacity	25 oz. (740 cc)	40.6 oz. (1200 cc)
Max Spindle Speed	5,350 rpm	9,800 rpm
Arbor Size	20 mm	20 mm
Max. Wheel Size	12"	14"

Saw Anatomy



Saw Anatomy



Nice Wheels!



- ❑ Diamond Wheel
 - ❑ Ideal for high-speed cutting of the most demanding materials found on your worksite.
 - ❑ If compatible with water
 - water keeps blade cool
 - water reduces the air borne by-products
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Nice Wheels!



- ❑ Abrasive Wheel
 - ❑ Abrasive Composite Cutting Wheels have engineered compositions and specific degrees of bond hardness that maximize the wheels' cutting life
 - ❑ Lists Steel or Masonry
-

Nice Wheels!

Each Wheel Lists

- Steel
- Masonry
- Max Spindle Speed in RPM

DO NOT use a wheel with a smaller max spindle speed than the saw is rated



Starting Procedure

- Always wear the Proper PPE
 - Ears
 - Eye
 - Hand
 - & Respiratory
-

Starting Procedure

- Inspect before use
 - Fuel Level (Gas/Oil Mixture)
 - Wheel Attachment- Spins?
 - Amount of wheel surface remaining
 - What Material the wheel is designed to cut
 - Check wheel for cracks or nicks
 - Check the V-belt tension
 - Adjust wheel guard to protect the operator
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Starting Procedure

- Choke
 - Only until the saw takes off
 - Press the Decompression button
 - Make sure you have a stable base/footing
 - Grip it and Rip It
-

Holding The Saw

- ❑ Cradle Carry
- ❑ Gyroscopic Effect



Operating The Saw

- ❑ Using only enough blade depth to cut through the skin of the door is sufficient.
- ❑ Burying the blade will reduce effectiveness, and the number of doors opened without changing blades.



Cutting Techniques

□ Doors

- Triangle (only two cuts)
 - Rectangle (Wide Opening)
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Cutting Techniques



□ Metal Deck Roof
