

FFA Forestry CDE
Chainsaw Information
Study Guide:

- 1) Name four things that can be done to prevent kickback.
- 2) Name 6 types of things that should be warn for safety when using a chainsaw.
- 3) What is the purpose of a wedge? What are they made of?
- 4) Name five additional safety precautions that should be followed when operating a chainsaw.
- 5) What is the gunning site used for?
- 6) Describe the two recommended methods for starting a chainsaw.
- 7) There are three reactive forces that may occur when operating a chainsaw.
What are they?
- 8) When do these reactive forces occur?
- 9) What five things should be carefully considered before felling a tree?
- 10)What does limbing mean?
- 11) What is the procedure for removing buttress roots?
- 12) Should the chain be tightened while the saw is running?
- 13) What are the two types of cuts used to fell a medium to large tree?
- 14) What is the hinge? What is its purpose?
- 15) How should the chainsaw be carried?
- 16) What type of cut is used for small diameter trees?
- 17) What are the two methods of cutting trees that have a diameter greater than the length of the guide bar.
- 18)In relation to the tree where should the escape path be?
- 19) What does bucking mean?
- 20) How far away should the chainsaw be from the fueling site before starting the engine?

21) What symptoms or problems would indicate the saw has a dull chain?

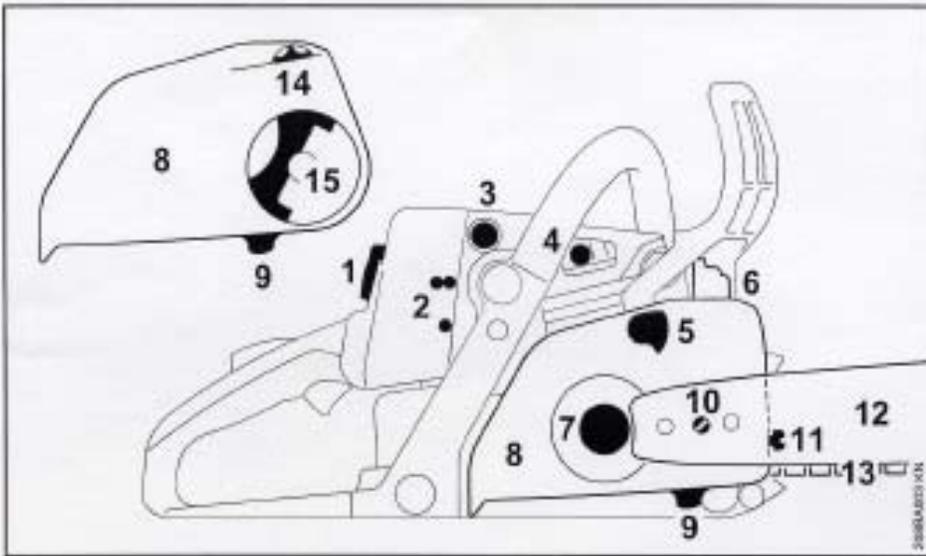
Match the parts with the definition or purpose.

___ Twist Lock	___ Rear Hand Guard	___ Carburetor Adjusting Screws
___ Chain Catcher	___ Spark Plug Boot	___ Fuel Filler Cap
___ Front Hand Guard	___ Muffler	___ Anti-Vibration System
___ Oilmatic Saw Chain	___ Chain Sprocket Cover	___ Chain Brake
___ Chain Tensioner	___ Clutch	___ Oil Filter Cap
___ Front Handle	___ Master Control Lever	___ Bumper Spike
___ Fuel Pump	___ Chain Sprocket	___ Throttle Trigger Interlock
___ Starter Grip	___ Adjusting Wheel	___ Guide Bar Nose
___ Decompression Valve	___ Handle of Wingnut	___ Throttle Trigger
___ Guide Bar	___ Rear Handle	

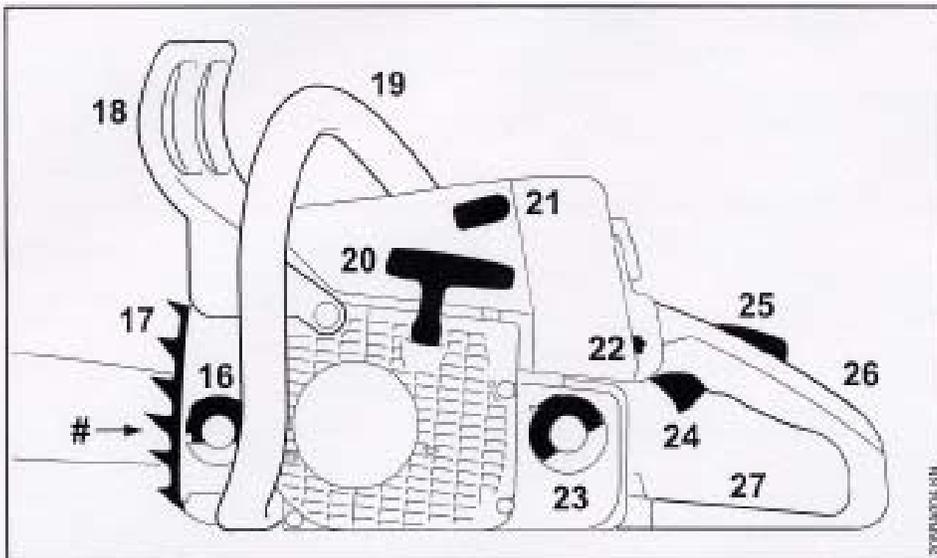
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- A. This system includes a number of buffers designed to reduce the transmission of vibrations created by the engine and cutting attachment to the operator's hands.
 - B. Lock for carburetor box cover.
 - C. Fills carburetor with fuel to simplify starting
 - D. A device to stop the rotation of the chain if activated in a kickback situation by the operator's hand or by inertia.
 - E. The toothed wheel that drives the saw chain.
 - F. Helps to reduce the risk of operator contact by a chain if it breaks or comes off the bar.
 - G. A loop consisting of cutters, tie straps and drive links.
 - H. Must be released to allow chain to be tensioned with adjusting wheel.
 - I. Toothed stop for holding saw steady against wood.
 - J. Part of the saw held in the left hand at the front of the saw.
 - K. Connects the spark plug with the ignition wire.
 - L. For closing the fuel tank.
 - M. Must be depressed before the throttle trigger can be activated.
 - N. Gives added protection to operator's right hand.
 - O. Couples engine to chain sprocket when engine is accelerated beyond idle speed.
 - P. For fine tuning the carburetor
 - Q. Releases compression pressure to make starting easier
 - R. Reduces engine exhaust noise and directs the exhaust gases.
 - S. Covers the clutch and the sprocket.
 - T. Permits precise adjustment of chain tension.
 - U. Supports and guides the saw chain.
 - V. Permits precise adjustment of chain tension.

- W. For closing the oil tank
- X. Provides protection against projecting branches and helps prevent left hand from touching the chain if it slips off the handlebar.
- Y. Used for starting the engine.
- Z. Lever for choke control, starting throttle, run and stop positions.
- AA. Controls the speed of the engine.
- BB. The support handle for the right hand, located at the rear of the saw.
- CC. The exposed end of the guide bar.

Name the part:



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