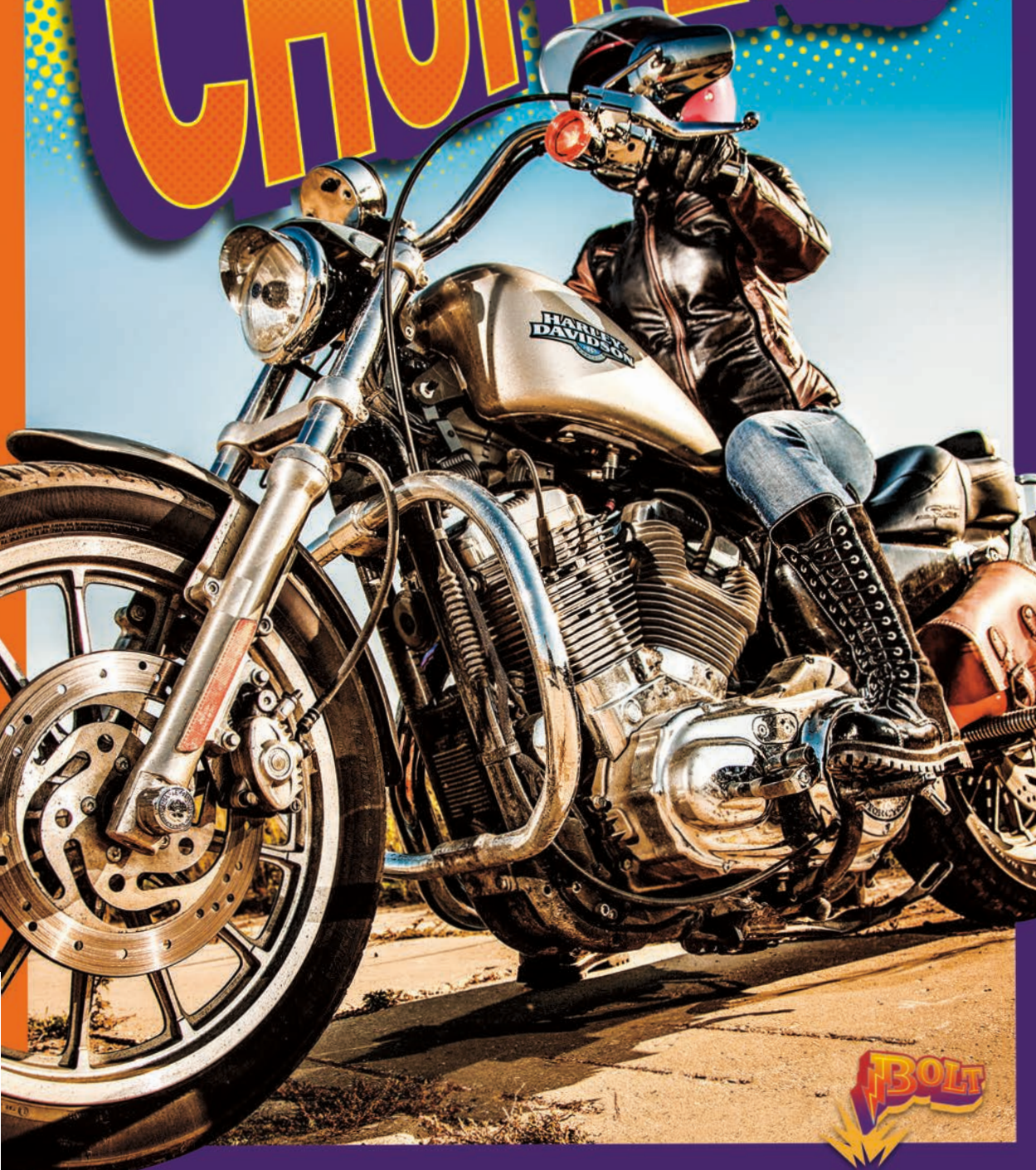


# CHOPPERS



**Gearhead Garage**

# CHOPPERS

**PETER BODENSTEINER**



**BLACK  
RABBIT  
BOOKS**



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# Fast and Loud

The rider throws his leg over the chopper. He kicks it to a start. The motorcycle rumbles to life. He twists the handlebar grip. The motorcycle roars and pops.

Everyone nearby turns to watch. The rider steers his bike toward the road. He **revs** the engine again and speeds off.





## Known for Being Different

The roar of a chopper motorcycle is a powerful sound. It's one thing choppers are known for. They are also known for being fast. But every chopper looks different. And that's what makes them cool. People take **stock** motorcycles and change them. They make them look however they want.

Choppers have long or short handlebars. They can have fat or skinny tires.

## Safety Helmet Laws in North America

Bikers over age 21 are **required** to wear helmets in these areas.



# The History of Choppers

Motorcycles were invented in the 1800s. They became popular quickly. Soldiers even used them during war.

During World War II, U.S. soldiers rode fast motorcycles in **Europe**.

After the war, they wanted to make their bikes at home faster. They removed parts from stock bikes. Taking off parts made the bikes lighter. These bikes were called bobbers. Bobbers had a simple, clean look.





## Chopping Them Up

In the 1960s, people started really changing motorcycles. They started cutting the **frames**. Then they would **weld** them back together in new ways.

With these frames, builders made lower and longer bikes. These builders were “chopping up” bikes to make new ones. And that’s where the name “chopper” came from.



More than half of U.S. states require motorcycle drivers to wear eye protection.



## Choppers Today

Today, choppers are more popular than ever. Companies sell parts just for building choppers. These parts let more people build **unique** bikes. They also make building custom bikes easier.

Movies and TV have helped make choppers popular. TV programs show viewers how choppers are built.



weld the  
fork



adjust the frame



build the  
engine

# Building Custom

# Bikes

# Building a Chopper

Chopper builders can create whatever a customer wants. Many people want handlebars that look cool. Tall handlebars that go above a rider's shoulders are called ape hangers. These handlebars make steering hard. But they give the bike a unique look.





## Tires and Forks

Tires and forks make choppers different too. Some choppers have fat rear tires and skinny front tires. But riders can choose whatever tires they like best.

Forks connect tires to the handlebars. Many choppers have very long forks. Forks are often the most expensive parts of choppers.



One of the most famous choppers is the “Captain America.” It was used in the movie *Easy Rider*. Many people copied that chopper’s design.

# CHOPPER PARTS

SKINNY  
FRONT TIRE

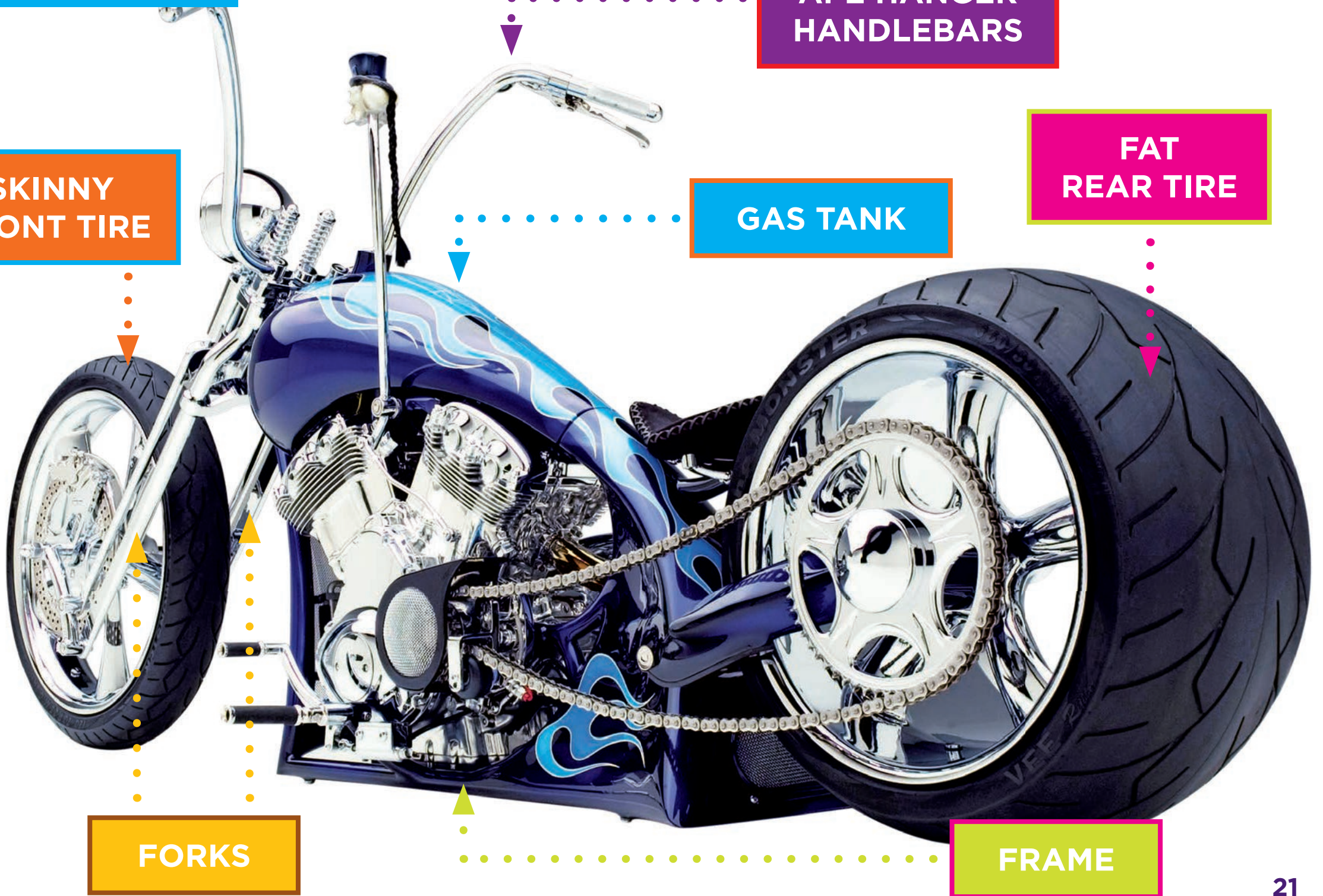
APE HANGER  
HANDLEBARS

FAT  
REAR TIRE

GAS TANK

FORKS

FRAME



## Chopper Art

Building choppers is now an art form. Bikes often have fancy paint jobs. Riders want shiny **chrome** parts. They also want loud **exhaust** pipes.

Custom parts are expensive. Choppers can cost \$50,000 or more to build.

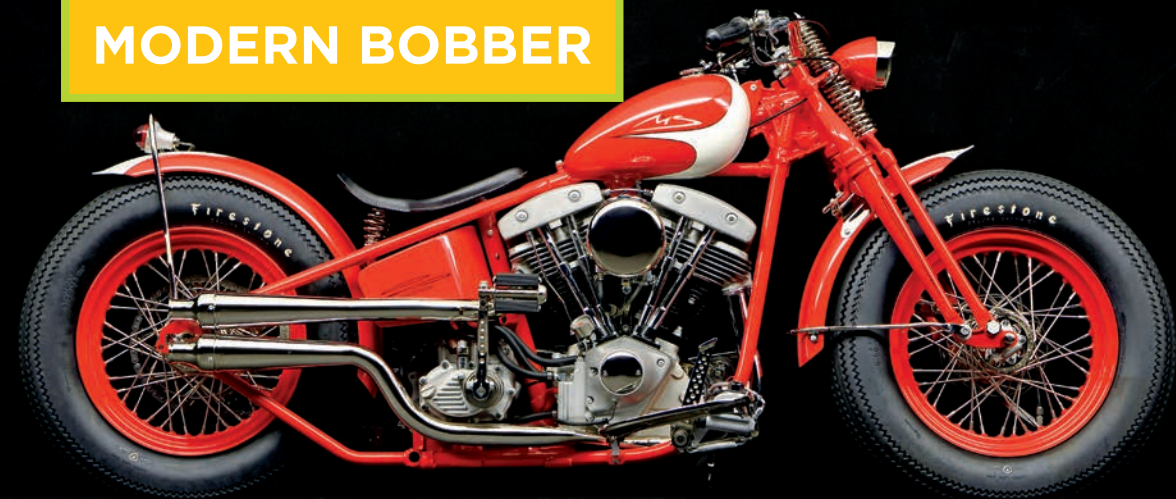


# The **Future** of Choppers

Choppers are very popular now. Some people feel they are too common. Some have returned to simple styles from the past. Many people are building bobbers again. Others are building choppers that look like 1960s café racers.



CHOPPER



MODERN BOBBER



CAFÉ RACER

## One-of-a-Kind Bikes

Some people won't settle for stock motorcycles. They want something louder or faster. New technology, such as 3D printing, will help builders make more unique parts.

No one knows what the future of choppers will be. But they'll always be one-of-a-kind bikes.



# TIMELINE

**1903**

Harley-Davidson Motor Company is founded.

**1940s**

Bikers start making bobbers.

**1969**

*Easy Rider* sparks interest in choppers.

**1990s**

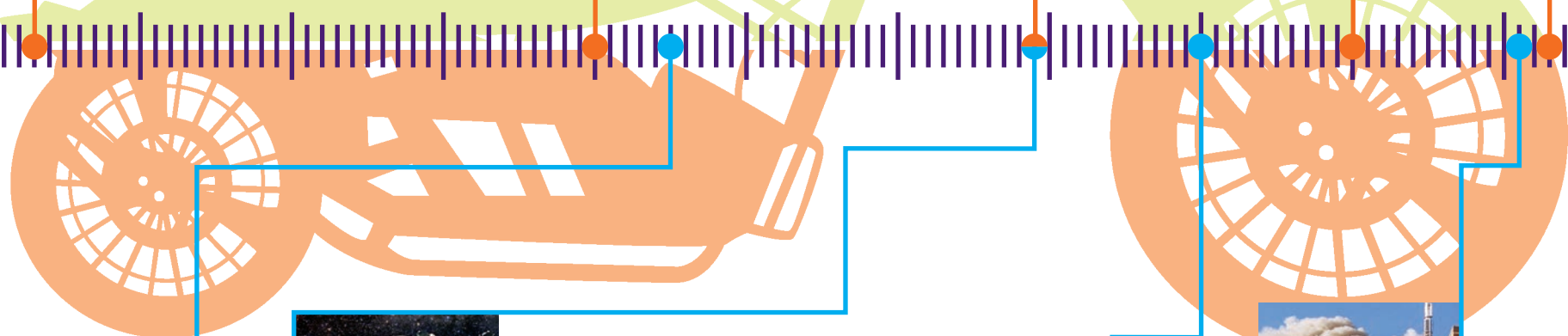


Drivers begin to focus on custom paint jobs.

**2003**

*American Chopper* TV show begins.

**1900**



**2005**

World War II ends.

**1945**



The first people walk on the moon.

**1969**

The Mount St. Helens volcano erupts.

**1980**



Terrorists attack the World Trade Center and Pentagon.

**2001**



**chrome** (KROM)—a metal used to cover other metals in order to make them shiny

**Europe** (YUR-up)—the sixth largest continent

**exhaust** (ig-ZOST)—the mixture of gases produced by an engine

**frame** (FRAYM)—the structure that supports the body of a motorcycle or automobile

**rev** (REV)—to cause an engine to run more quickly

**stock** (STAHK)—usually available for sale in a store

**unique** (yoo-NEEK)—very special or unusual

**weld** (WELD)—to join pieces of metal together by heating the edges until they melt and then pressing them together

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12 Motorcycles That Trace the Evolution of the All-American Chopper

[www.wired.com/2015/02/12-motorcycles-trace-evolution-american-chopper/](http://www.wired.com/2015/02/12-motorcycles-trace-evolution-american-chopper/)

A Brief History of Motorcycling

[www.nhtsa.gov/people/injury/pedbimot/motorcycle/00-NHT-212-motorcycle/history5-6.html](http://www.nhtsa.gov/people/injury/pedbimot/motorcycle/00-NHT-212-motorcycle/history5-6.html)

Building a Chopper Chassis

[www.youtube.com/watch?v=aSAwKLiBLMU](http://www.youtube.com/watch?v=aSAwKLiBLMU)

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