

**CAREER  
PATHS**

# Mechanics

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# Table of Contents

Book <b>1</b>	Tools	Unit 1 – Hand tools 1 .....	4
		Unit 2 – Hand tools 2 .....	6
		Unit 3 – Fasteners .....	8
		Unit 4 – Power tools .....	10
		Unit 5 – Bench and machine tools .....	12
	Mechanic Basics	Unit 6 – Basic actions .....	14
		Unit 7 – Materials .....	16
		Unit 8 – Numbers .....	18
		Unit 9 – Measurements .....	20
		Unit 10 – Around the shop .....	22
	Auto basics	Unit 11 – Types of cars .....	24
		Unit 12 – Parts of a car: Exterior .....	26
		Unit 13 – Parts of a car: Interior .....	28
		Unit 14 – Gauges and meters .....	30
		Unit 15 – Tires .....	32
Appendix	Glossary .....	34	
Book <b>2</b>	Engines	Unit 1 – Internal combustion engine .....	4
		Unit 2 – Diesel vs. gasoline .....	6
		Unit 3 – Two-stroke engine .....	8
		Unit 4 – Four-stroke engine .....	10
	Auto Systems	Unit 5 – Electrical system .....	12
		Unit 6 – Ignition system .....	14
		Unit 7 – Fuel system .....	16
		Unit 8 – Lubrication system .....	18
		Unit 9 – Exhaust system .....	20
		Unit 10 – Cooling system .....	22
		Unit 11 – Brake system .....	24
		Unit 12 – Steering system .....	26
		Unit 13 – Suspension system .....	28
		Unit 14 – Transmission system .....	30
		Unit 15 – Differentials and joints .....	32
Appendix	Glossary .....	34	
Book <b>3</b>	Electricity	Unit 1 – Basic electricity .....	4
		Unit 2 – Electrical tools and equipment .....	6
	Motorcycles	Unit 3 – Parts of a motorcycle .....	8
		Unit 4 – Common problems .....	10
	HVAC	Unit 5 – Heating .....	12
		Unit 6 – Ventilation .....	14
		Unit 7 – Air conditioning and refrigeration .....	16
	Heavy Machinery	Unit 8 – Farm Machines .....	18
		Unit 9 – Construction and demolition machines .....	20
	Collision Repair	Unit 10 – Welding .....	22
		Unit 11 – Frame repair .....	24
		Unit 12 – Refinishing .....	26
	Auto	Unit 13 – Hybrids .....	28
		Unit 14 – Electric cars .....	30
		Unit 15 – Troubleshooting problems .....	32
Appendix	Glossary .....	34	

GRINNEL  
X43

Coming in at 1,000 pounds with a full tank, the Grinnel X43 is our entry-level touring motorcycle and among our best selling!



With state-of-the-art, computer-adjusted front and rear suspension systems and comfortable seating it offers an amazingly smooth riding experience for those just entering the world of motorcycles.

The X43's **handlebars** are designed to reduce strain and put the driver in full control. Convenient placement of the **throttle**, the **clutch lever**, and the **shift lever** make this bike simple and easy to operate for a first-time driver. Unlike **chain** or **belt drives**, the X43's **shaft drive** is extremely durable and requires little maintenance. It's just one example of the X43's reliability. Our aim is to ensure that you get the smoothest ride with minimal maintenance.

And how do we accomplish that goal? We start with a high-strength steel **frame**. The **fork tubes** and durable **triple trees** provide the front suspension, while the **swingarm** with computer-controlled **shock absorbers** creates the rear suspension. A six-gallon **fuel tank** ensures you can take a long ride without refueling. And not only is the X43 supported by a standard steel **side stand**, it is supported by Grinnel's three-year, unlimited mileage warranty. Check out the Grinnel X43 today, and get into the world of riding motorcycles.

## Get ready!

1 Before you read the passage, talk about these questions.

- 1 What are some of the parts of a motorcycle?
- 2 What keeps a motorcycle standing when it is not being driven?

## Reading

2 Read the advertisement for a motorcycle. Then, choose the correct answers.

- 1 What is the advertisement mostly about?
  - A different types of options for a motorcycle
  - B types of products from a motorcycle company
  - C a motorcycle designed for touring
  - D available parts for a motorcycle
- 2 What is true of the X43 model?
  - A It is built for racing.
  - B It has an optional side stand.
  - C It is recommended for first-time drivers.
  - D It weighs less than 900 pounds with fuel.
- 3 Which is NOT a feature of the X43?
 

A side stand	C steel frame
B belt drive	D shock absorbers

## Vocabulary

3 Read the sentence pair. Choose where the words best fit the blanks.

1 motorcycle / frame

- A A \_\_\_\_\_ is similar to a bicycle with an engine.
- B The wheels, seat, and other parts attach to the \_\_\_\_\_.

2 side stand / handlebars

- A The \_\_\_\_\_ allow drivers to park a motorcycle.
- B \_\_\_\_\_ are used to make turns.

3 chain drive / shaft drive

- A A \_\_\_\_\_ has a long rod in the drive train.
- B Gears are an important part of a \_\_\_\_\_.

4 fuel tank / belt drive

- A Gasoline or diesel is stored in the \_\_\_\_\_.
- B A \_\_\_\_\_ connects the engine and rear wheel.

- 4 Place the words and phrases from the word bank under the correct heading.

**Word BANK**

clutch lever    swingarm    fork tube  
 shift lever    throttle    triple tree  
 shock absorber

Front suspension	Rear suspension	Controls

- 5 Listen and read the advertisement for a motorcycle again. What type of rider is the X43 aimed at?

### Listening

- 6 Listen to a conversation between two mechanics. Mark the following statements as true (T) or false (F).

- \_\_\_ The motorcycle was in an accident.
- \_\_\_ The mechanic wants to replace the fork.
- \_\_\_ The frame is the most damaged part.

- 7 Listen again and complete the conversation.

**Mechanic 2:** That depends. The 1 \_\_\_\_\_ are beyond repair.

**Mechanic 1:** No doubt about that.

**Mechanic 2:** I think I could find a reasonably priced replacement.

**Mechanic 1:** OK. How about the 2 \_\_\_\_\_?

**Mechanic 2:** I went over it with a 3 \_\_\_\_\_ and didn't find a single crack.

**Mechanic 1:** That's incredible!

**Mechanic 2:** There was some damage, but it's 4 \_\_\_\_\_.

**Mechanic 1:** So do you think it's still 5 \_\_\_\_\_?

**Mechanic 2:** Sure, but 6 \_\_\_\_\_ a lot of work. We'll also need to replace both wheels, the brakes, and the swingarm.

**Mechanic 1:** 7 \_\_\_\_\_?

**Mechanic 2:** That's all I could find.

### Speaking

- 8 With a partner, act out the roles below based on Task 7. Then switch roles.

**USE LANGUAGE SUCH AS:**

*How about the ...?*  
*So do you think it ...?*  
*We'll also need to ...*

**Student A:** You are a mechanic. Talk to Student B about:

- the damage to a motorcycle
- what needs to be repaired
- if the motorcycle can be ridden

**Student B:** You are a mechanic. Talk to Student A about the damage to a motorcycle.

### Writing

- 9 Use the advertisement and conversation from Task 8 to fill out an assessment of a damaged motorcycle. Include: damaged parts, repairs required, and parts that are safe.

## Damage Assessment

**Customer name:** \_\_\_\_\_

**Damaged parts:** \_\_\_\_\_

**New parts required:** \_\_\_\_\_

**Safe parts:** \_\_\_\_\_

