

# Bosch Car Service AI Assistant - User Guide

Your Personal AI-Powered Car Diagnostic Expert

---

## What Is This?

Think of this as having a **smart car mechanic** available 24/7 right in your browser. You describe your car problem or enter an error code, and the AI assistant explains what's wrong, how to fix it, and where to find help.

The best part? **It learns from you!** The more you use it and provide feedback, the better it gets at giving you answers in the way YOU prefer.

---

## Who Is This For?

- **DIY Car Enthusiasts** - Want to understand and fix car issues yourself
  - **Car Owners** - Need to understand what a mechanic is telling you
  - **Professional Mechanics** - Want quick reference for diagnostics
  - **Car Students** - Learning about automotive repair
  - **Anyone** - With a check engine light or car problem
- 

## What Makes This Special?

### 1. It Talks Your Language

Unlike searching Google where you get super technical jargon OR oversimplified explanations, this AI **adapts to YOU**:

- If you're a beginner, it uses simple, everyday language
- If you're a pro mechanic, it gives you technical details and specs
- It learns your preference automatically!

## 2. It Learns From Your Feedback

Every time you rate a response (  or  ), the AI gets smarter about what YOU like:

- **Too long?** Next time it'll be shorter
- **Too simple?** Next time it'll be more technical
- **Need more videos?** Next time it'll include more resources

## 3. Comprehensive Information

For every problem, you get:

- What the error code means
  - Top 5 most common causes
  - Step-by-step diagnostic steps
  - Proven solutions with difficulty levels
  - Video tutorials and documentation links
  - How to prevent this problem in the future
- 

# How To Use It

## Step 1: Start a Conversation

1. Click "New Chat" button
2. Type your car problem or error code (like "P0420" or "engine won't start")
3. Hit Enter or click Send

## Step 2: Get Your Answer

The AI will analyze your question and provide:

- Clear explanation of the problem
- What usually causes it
- How to diagnose it
- How to fix it
- Helpful resources

### **Step 3: Rate The Response (Important!)**

After reading the response, click:

- **Thumbs Up** if the answer was helpful
- **Thumbs Down** if it wasn't quite right

### **Step 4: Tell Us Why (This Makes It Learn!)**

After clicking thumbs up/down, you'll see options like:

- "Too long/verbose"
- "Too technical"
- "Missing video links"
- "Perfect! Exactly what I needed"

**Select what you felt** about the answer, then click "Submit Feedback"

### **Step 5: Ask Your Next Question**

The AI now knows your preferences and will adjust its next answer accordingly!

---

## **Real Examples**

### **Example 1: Complete Beginner**

**You ask:** "My check engine light is on and it says P0420"

**First response:** Gets detailed technical explanation with sensor specs

**You say:** Thumbs Down - "Too technical, hard to understand"

**Next response:** Gets simple explanation like "Your catalytic converter (the part that cleans exhaust) isn't working efficiently. Think of it like a clogged air filter."

## Example 2: Experienced Mechanic

**You ask:** "P0171 on a 2015 Ford"

**First response:** Gets simple explanation

**You say:** 🤔 "Not technical enough"

**Next response:** Gets precise specs like "MAF sensor voltage readings should be 0.5-5V, check for vacuum leaks at intake manifold gasket, measure fuel pressure at rail should be 55-62 PSI"

## Example 3: Visual Learner

**You ask:** "How to replace brake pads"

**First response:** Gets text instructions

**You say:** 🤔 "Missing video resources"

**Next response:** Gets 3-4 YouTube tutorial links with timestamps plus written instructions

---

# How The "Smart Learning" Works

Think of it like training a personal assistant:

## Traditional Search Engines:

- Give you the same results every time
- Don't remember what you liked or didn't like
- You have to filter through everything

## This AI Assistant:

- **Remembers your style preferences**
- **Learns from patterns** (not just one click)
- **Adapts over time** to match YOUR needs
- **Gets more personalized** the more you use it

## The Secret: Pattern Recognition

The AI doesn't just remember your last feedback. It looks at your **last 10 feedbacks** and finds patterns:

**Scenario:** You give feedback 3 times

- Feedback 1: "Too long"
- Feedback 2: "Too long"
- Feedback 3: "Perfect!"

**What AI learns:** "This person generally prefers shorter answers, but I'm getting closer. I'll keep responses concise but complete."

This prevents the AI from flip-flopping and gives you **stable, consistent improvements.**

---

## Features Explained Simply

### 1. Response Length Control

**What it means:** How much detail you get

- **Concise** = Quick answer, straight to the point
- **Balanced** = Good mix of explanation and steps (default)
- **Detailed** = Everything explained thoroughly

**How to adjust:** Rate answers as "too long" or "too short"

## 2. Technical Level Control

**What it means:** How complex the language is

- **Simple** = Everyday words anyone can understand
- **Balanced** = Mix of common and technical terms (default)
- **Technical** = Professional mechanic language, specs, part numbers

**How to adjust:** Rate answers as "too technical" or "not technical enough"

## 3. Resource Amount Control

**What it means:** How many links and videos you get

- **Low** = Mostly text explanation
- **Medium** = Some helpful links (default)
- **High** = Lots of videos, forum links, documentation

**How to adjust:** Rate answers as "missing resources" or "great resources"

## 4. Format Style Control

**What it means:** How information is organized

- **Step-by-step** = Numbered instructions (default)
- **Narrative** = Story-like explanation
- **Bullet points** = Quick scannable lists

**How to adjust:** Rate answers as "clear steps" or "poor formatting"

---

# Your Feedback Journey

Here's what happens as you use the system:

### First Time Using:

- AI gives you **balanced** responses (middle ground)

- Not sure about your preference yet

## **After 2-3 Feedbacks:**

- AI starts to notice patterns
- "Hmm, they prefer shorter answers..."

## **After 5-10 Feedbacks:**

- AI has learned your style!
- Responses feel more personalized
- You get what you need faster

## **After Many Uses:**

- AI knows you well
  - Consistently gives you answers you like
  - You rarely need to give feedback anymore
- 

# **Privacy & Data**

## **Where is everything stored?**

- All your preferences are stored **locally in YOUR browser**
- Nothing is sent to external servers (except the AI question itself)
- Your feedback history stays on your device

## **What happens if I clear my browser data?**

- Your learned preferences will be reset
- You'll start fresh with default settings
- The AI will learn your preferences again

## **Can I use this on different devices?**

- Each device learns independently
  - Your phone learns your mobile preferences
  - Your computer learns your desktop preferences
- 

## Common Questions

### Q: Do I have to give feedback every time?

**A:** No! Only give feedback when you feel strongly about a response. The AI learns from patterns, so even occasional feedback helps.

### Q: What if I give wrong feedback by accident?

**A:** No worries! The AI looks at patterns, not single clicks. One wrong feedback won't mess things up.

### Q: Can I reset if I don't like how it's learning?

**A:** Yes! Clear your browser data or ask for a reset feature (coming soon).

### Q: Does it work for all car makes/models?

**A:** Yes! The AI has knowledge about most car brands and models.

### Q: Can I save my chat history?

**A:** Yes! Your chats are automatically saved in your browser.

---

## Example Conversations

### Beginner-Friendly Response:

You: "My car makes a squeaking noise when I brake"

AI: "That squeaking sound is likely your brake pads wearing down. Think of brake pads like erasers - they rub against a metal disc to slow your car down, and eventually wear out."

What to do:

1. Check if the squeaking is consistent when braking
2. Look at your brake pads through the wheel spokes
3. If the pad is less than 1/4 inch thick, time to replace
4. Most people can do this at home with basic tools

Here's a video showing exactly how: [YouTube link]"

## Technical Response (for mechanics):

You: "P0171 diagnostic approach"

AI: "System Too Lean (Bank 1) - OBD-II P0171

Diagnostic Protocol:

1. Verify DTCs: Scan for additional codes (P0174, P0300-P030X)
2. Live Data Analysis:
  - STFT should be  $\pm 10\%$
  - LTFT should be  $\pm 15\%$
  - MAF sensor: 2-7 g/s at idle (engine dependent)
3. Vacuum Leak Test: Smoke test intake manifold, PCV system
4. Fuel Pressure Test: 55-62 PSI at rail (spec varies by model)
5. MAF Sensor Inspection: Check for contamination

TSB Reference: Check manufacturer bulletins for MAF calibration

Tool Required: Scan tool with live data capability"

## Pro Tips

1. **Be specific in your questions** - "2015 Honda Civic makes clicking noise when starting" is better than "car won't start"
2. **Give feedback regularly** - Even just 5-10 feedbacks will significantly improve your experience

3. **Use the chat history** - Your previous conversations are saved for reference
  4. **Try different questions** - The AI gets smarter the more diverse your questions are
  5. **Check the resources** - The video links and documentation provided are carefully selected
- 

## What You'll Love

**No more information overload** - Get exactly what YOU need

**Saves time** - No more sorting through 50 search results

**Personalized experience** - Like having your own mechanic who knows you

**Educational** - Actually learn about your car, not just follow blind instructions

**Informed decisions** - Understand costs before visiting a mechanic

**DIY-friendly** - Know what you can do yourself vs. what needs a pro

---

## Start Your Journey

Ready to get started? Just:

1. Click "New Chat"
2. Ask your car question
3. Rate the response
4. Watch it get better each time!

**Remember:** The AI is like a learning assistant. The more you interact with it, the better it understands what helps YOU the most!

---

## Need Help?

If you have questions about using this assistant:

- Check the Help & FAQ button in the app
  - Review this guide
  - Contact your Bosch service provider
- 

## **Thank You!**

Thank you for using the Bosch Car Service AI Assistant. Your feedback makes this tool better for everyone!

**\*\*Happy diagnosing! \*\***

---

*Last Updated: November 2025 Copyright © 2025 Bosch. All rights reserved.*