

# **Wheel Alignment Maintenance Instructions**

**Proper wheel alignment is crucial for ensuring a smooth ride, better fuel efficiency, and longer tyre life. Here's a complete guide to maintaining wheel alignment:**

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## **1. Why Wheel Alignment Matters:**

- **Ensures even tyre wear.**
  - **Improves vehicle handling and stability.**
  - **Increases fuel efficiency.**
  - **Prolongs tyre life.**
  - **Prevents strain on suspension components.**
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## **2. Signs Your Wheels Need Alignment:**

- **Uneven or rapid tyre wear.**
  - **Vehicle pulling to one side while driving.**
  - **Steering wheel is off-center when driving straight.**
  - **Vibrating or noisy steering wheel.**
  - **Decreased fuel efficiency.**
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## **3. Recommended Maintenance Schedule:**

- **Check alignment every 6,000 to 10,000 km or as recommended by the vehicle manufacturer.**
  - **Get an alignment after installing new tyres.**
  - **Check alignment after any significant impact (e.g., hitting a pothole or curb).**
  - **Regularly inspect alignment during routine maintenance.**
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#### **4. DIY Wheel Alignment Check:**

- **Step 1: Park the car on a flat, level surface.**
  - **Step 2: Inspect tyre wear patterns. Uneven wear indicates misalignment.**
  - **Step 3: Check the steering wheel position while driving straight.**
  - **Step 4: Measure the toe angle using a measuring tape between the front and back edges of the front tyres.**
  - **Step 5: Compare measurements and check the manufacturer's specifications.**
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#### **5. Professional Wheel Alignment Procedure:**

- **The technician will inspect and adjust the following angles:**
  - **Camber: Tilt of the tyre inward or outward.**
  - **Toe: The angle the tyres turn inward or outward.**
  - **Caster: Steering pivot angle (affects stability).**

- **A computerized alignment machine is used to adjust these angles to factory specifications.**
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## **6. Maintenance Tips:**

- **Rotate tyres regularly to ensure even wear.**
  - **Keep tyres properly inflated.**
  - **Inspect suspension and steering components periodically.**
  - **Avoid overloading your vehicle.**
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## **7. Benefits of Proper Alignment:**

- **Smooth and comfortable driving experience.**
  - **Reduced tyre wear and replacement costs.**
  - **Enhanced safety and vehicle control.**
  - **Better fuel efficiency.**
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## **8. Cost of Wheel Alignment:**

- **The average cost of a wheel alignment ranges from ₹1,000 to ₹2,500, depending on the vehicle type and service center.**
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## **9. DIY vs. Professional Alignment:**

- **DIY Alignment:** Suitable for minor adjustments or quick checks.
- **Professional Alignment:** Recommended for accurate, long-lasting results.