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## EFORTISSIMO Racing QQDG2-27107S4-TTQQDNU23

# PPC SPORT 3 CLUTCH KIT

## USER MANUAL

Model: QQDG2-27107S4-TTQQDNU23 | Brand: EFORTISSIMO Racing

### 1. Introduction

This user manual provides essential information regarding the installation, operation, and maintenance of your EFORTISSIMO Racing PPC SPORT 3 Clutch Kit. This kit is engineered for enhanced performance and reliability in compatible vehicles. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

### 2. Product Overview

The PPC SPORT 3 Clutch Kit is a direct factory replacement designed for high performance. It incorporates high-grade components to deliver superior clutch performance and durability.

#### 2.1. Kit Components

The complete clutch kit includes the following:

- PPC Heavy-Duty Pressure Plate
- PPC 'MIBA' Copper Ceramic 6-puck Sprung Disc (210mm, 21 spline)
- Release Bearing
- Alignment Tool
- Installation Guide

#### 2.2. Product Image



Image showing the EFORTISSIMO Racing PPC SPORT 3 Clutch Kit. Visible components include the blue heavy-duty pressure plate on the right, the black 6-puck copper ceramic sprung disc on the left, a release bearing, and an alignment tool at the bottom.

### 2.3. Vehicle Compatibility

This clutch kit is specifically designed to fit the following vehicle application:

- 2005 - 2008 Toyota Corolla (1.8L DOHC 4-cylinder; 5-speed manual transmission)

## 3. Setup and Installation

Installation of a clutch kit requires specialized tools and technical expertise. It is highly recommended that installation be performed by a certified professional mechanic.

Refer to the detailed **Installation Guide** included with your kit for step-by-step instructions specific to this product and vehicle application. General steps typically involve:

1. **Safety Precautions:** Ensure the vehicle is securely lifted and supported. Disconnect the battery.
2. **Transmission Removal:** Carefully remove the transmission from the vehicle.
3. **Old Clutch Removal:** Unbolt and remove the old pressure plate and clutch disc. Inspect the flywheel for wear or damage; resurface or replace if necessary.
4. **New Clutch Installation:** Install the new clutch disc using the alignment tool, followed by the new pressure plate. Torque bolts to manufacturer specifications.
5. **Release Bearing Installation:** Install the new release bearing.
6. **Reassembly:** Reinstall the transmission and all other components in reverse order of removal.
7. **Fluid Check:** Verify transmission fluid levels and refill if necessary.

**Warning: Improper installation can lead to product failure, vehicle damage, or personal injury. Always follow the included installation guide and consult a professional if unsure.**

## 4. Operating Considerations

After installation, a break-in period is recommended for optimal clutch performance and longevity. During the first 500 miles, avoid aggressive driving, rapid acceleration, heavy towing, or excessive clutch slipping. This allows the friction materials to properly seat and conform to the flywheel and pressure plate surfaces.

Proper clutch operation involves smooth engagement and disengagement. Avoid riding the clutch pedal or resting your foot on it, as this can cause premature wear.

## 5. Maintenance

The EFORTISSIMO Racing PPC SPORT 3 Clutch Kit is designed for durability. Regular maintenance primarily involves proper driving habits and periodic inspection during other vehicle services.

- **Driving Habits:** Avoid unnecessary clutch slipping, rapid clutch engagement, and excessive engine braking using the clutch.
- **Hydraulic System:** Ensure the clutch hydraulic system (master cylinder, slave cylinder, fluid) is in good working order and free of leaks. Replace clutch fluid according to vehicle manufacturer recommendations.
- **Pedal Adjustment:** Ensure proper clutch pedal free play to prevent premature wear or incomplete disengagement.

## 6. Troubleshooting

If you experience issues with your clutch, consider the following common problems and potential causes:

Symptom	Possible Cause
<b>Clutch Slipping:</b> Engine RPM increases without a corresponding increase in vehicle speed, especially under acceleration.	Worn clutch disc, oil/grease on friction surfaces, weak pressure plate, improper pedal adjustment, or riding the clutch.
<b>Clutch Chatter/Vibration:</b> Shuddering or vibration during clutch engagement.	Warped flywheel, worn clutch disc, worn engine/transmission mounts, oil/grease on friction surfaces, or improper installation.
<b>Hard Shifting/Grinding:</b> Difficulty engaging gears, especially reverse, or grinding noises.	Incomplete clutch disengagement (clutch drag), air in hydraulic system, worn pilot bearing, or worn transmission synchronizers.
<b>Clutch Pedal Issues:</b> Pedal feels soft, spongy, or sticks to the floor.	Air in hydraulic system, leaking master or slave cylinder, or low clutch fluid.

For persistent issues, it is recommended to consult a qualified mechanic or contact EFORTISSIMO Racing technical support.

## 7. Specifications

Attribute	Detail
Brand	EFORTISSIMO Racing
Manufacturer Part Number	QQDG2-27107S4-TTQQDNU23
Horsepower Rating	315 HP

Attribute	Detail
Torque Capacity	287 ft/lbs
Clutch Disc Type	6-puck Copper Ceramic Sprung Disc
Clutch Disc Diameter	210mm
Spline Count	21 spline
Item Weight	Approximately 12 pounds
ASIN	B0799MGJVR

## 8. Warranty Information

This EFORTISSIMO Racing clutch kit is backed by a manufacturer's warranty of **12 months or 12,000 miles**, whichever comes first, against any manufacturing defects. This warranty covers defects in materials and workmanship under normal use and service.

Please retain your proof of purchase for warranty claims. The warranty does not cover damage due to improper installation, abuse, modification, or normal wear and tear.

## 9. Support

EFORTISSIMO Racing is committed to providing excellent customer support. If you have any questions regarding the installation, operation, or troubleshooting of your clutch kit, please utilize the technical support resources available online.

For technical assistance or warranty inquiries, please visit the official EFORTISSIMO Racing website or contact their customer service department through the contact information provided on their packaging or website.



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