

Congratulations with your New Pega Clutch. Please follow the Workshop Manual for installation procedure. Pega Clutch PIS settings are the same as OEM clutch sets.

Pega Clutch Running-in Procedure

CAUTION!

Running-in procedure on roads at dealer

1. Carry out 4 standing starts from 0 to 40 km/h or 25 Miles/hour (mph). During pickup, ensure the engine is running at 2,800 rpm \pm 400 rpm.
2. At the end of every pickup, once 40 km/h or 25 Miles/hour (mph) have been reached, put into second gear (without loading the Accelerator pedal) and continue at a constant speed for 30 seconds.
3. After the 4th starts, continue at a constant speed of about 40 km/h or 25 Miles/hour (mph) for 120 seconds.
4. Repeat points 1, 2, 3, twice again (for a total 15 starts).
5. A regular Kevlar Running %100 completes is last stages in "approximately" 500Km or 300Mil. With Organic clutch facings you need %20 more "approximately".

Note:

The present procedure also applies to clutches using the new FF3C material, which can create a little smoke and odor during running-in. Such conditions are to be considered normal and are caused by the Friction material.

Assembling the clutch:

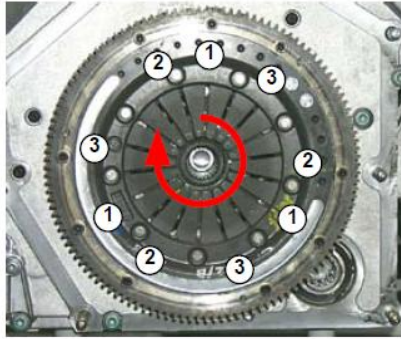
Assemble the clutch unit on the flywheel using the special centering tool (**See Workshop Manual**) and check that the reference codes "**M**" coincide (Fig.A)



(Fig.A) (ref: Lamborghini Gallardo)

Apply System (**See Workshop Manual**) medium thread sealant and tighten the Clutch pressure plate screws (Fig.B) in the clockwise order indicated by the numbers in (Fig.B). Tightening torque (See Workshop Manual)

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(Fig.B) (ref: Lamborghini Gallardo)

CAUTION!

! Carry out all maintenance, adjustment or repair work with the utmost care to avoid any risk of serious injury. **!**

- Take special care while working on the vehicle. Follow the safety procedures provided. Be prudent and use your common sense. Never risk personal injury.
- If the required skills, tools and equipment are lacking, or you do not have access to a workshop capable of carrying out the procedures described in this manual, any necessary work must be carried out exclusively by a Lamborghini dealer or an Authorized Workshop.
- Always follow the work procedures. Always wear protective eyewear while working on the vehicle or handling acids. Always wear protective eyewear, gloves and clothes when working with toxic substances.
- Never work on the vehicle if you are feeling unwell. The probability of injuring yourself or third parties increases when you are feeling tired, unwell, or if you have taken medication or other substances which could compromise your level of attention.
- The work area must be adequately lit.
When working inside or under the vehicle, use portable safety lamps. Ensure the lamp is adequately protected. If the lamp accidentally breaks, the heated filament could cause fire or serious burns if it comes into contact with fuel or oil.
- Never re-use worn out fixtures. Many fixtures are designed to be used just once and therefore cannot be re-used because no longer safe (danger of accidents and serious injury). For the sake of example, below is a list of some of the fixtures that cannot be re-used: nuts, bolts, washers, elastic rings and split pins. Always comply with the recommendations provided by this repair manual. Always replace worn fixtures with new devices (at the intervals indicated and during check-ups).
- Friction materials such as brake pads and clutch disks may contain asbestos fibers. Do not create dust by grinding, sanding or cleaning with compressed air. Avoid inhaling asbestos fibers and dust. If inhaled, asbestos can cause serious illness such as asbestosis, cancer and even death. Pega Clutch is Free of asbestos material.
- Never approach or touch the radiator fan while the engine is running: its temperature is controlled independently and it can start up unexpectedly.
- Always tie back long hair. Do not wear ties, scarves, baggy clothes, necklaces or anything else that could become entangled with moving parts while working near machine tools or running engines. Hair, clothes or jewellery that become entangled in machinery or moving engine parts, such as belts or the radiator fan, can cause serious injury.

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- **Never wear any jewellery to avoid any danger of short circuits, or becoming entangled with machinery or being crushed by heavy components which could cause serious personal injury.**
- **Never work under a raised vehicle unless the vehicle is firmly secured on specific supports. Never stand the vehicle on leftover concrete blocks, perforated bricks or any other element that could crumble or collapse under heavy loads. Never work under a vehicle that is only raised on a jack. Never work under a vehicle while the engine is running.**
- **When working under a vehicle standing on the ground, always adopt special safety precautions. Ensure the floor is perfectly level. Always completely pull the handbrake. Position the gearlever in the parking position “N” or in neutral (manual gearbox). Block the wheels to ensure the vehicle does not move. Remove the ignition key. Disconnect the battery earth cable to ensure others cannot switch on the vehicle while you are working underneath it.**
- **Never expose the air conditioner (A/C) to high temperatures (for example, naked flames). Excessive heat increases the pressure in the system and may even cause the system to catch fire.**
- **The air conditioner (A/C) contains a dangerous chemical coolant. Any repair or maintenance work on the air conditioner may only be carried out by qualified personnel using suitable coolant recovery/recycling equipment. The aforesaid personnel shall observe the due safety precautions and must be perfectly aware of regulations governing the disposal of chemical coolants for cars.**
- **Do not use sparks, matches or naked flames near the battery. If the leaked hydrogen gas were to catch fire, it would burn the gas contained in the cells and the battery would explode.**

Notes!

- Always consult a Lamborghini dealer before repairing any vehicle that may still be covered by the Lamborghini warranty.
- Unsuitable components, incorrect repairs or adjustments may seriously damage the vehicle and its systems. Repair to such damage may be extremely costly and may prejudice the vehicle warranty.
- Before carrying out any work, ensure all the necessary tools and components are available. Carefully read all the instructions and ensure you correctly understand the WARNINGS. Never improvise. Use tools suited to the work to be carried out. Use spare parts that conform to Lamborghini specifications. Avoid improvised tools, components and procedures which could compromise repairs.
- The components numbers mentioned in this manual are only provided as a reference. For any further information, contact the Lamborghini dealers' Spare Parts Department.

Hazards!

Heat

The car includes components such as: the engine, brakes, cooling systems, etc. Any contact with these parts while the engine is running or immediately after the engine is switched off can cause burns. Therefore, ensure these components have cooled down before carrying out any maintenance/repair work (check the water temperature indicator by inserting the key in the ignition and turning just one step). In particular, never remove the radiator cap while the engine is hot. When hot, the radiator is pressurised and very hot water or vapour could escape and cause burns. If it is absolutely necessary to carry out work while the engine is hot, wear suitable heatproof protective gear and take the utmost care during the procedures. Do not park the vehicle near inflammable material when the engine is hot.

Hanging loads

During the various work stages, it may be necessary to raise the vehicle on a car-lift or lift components out of the car (e.g. the engine). During these procedures, take the utmost care to ensure correct stability before lifting completely. The same hazard applies during the removal of moveable parts (doors, hoods, etc.). Before removing any fixtures, ensure the component is secured to ensure it does not fall.

Obstacles

Ensure the work area is completely free of any obstacles; therefore place any unused tools or car components on the workbenches where they are not a danger to the operator.

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Slippery surfaces

Any fluids spilt in the work area must be completely cleaned up to avoid the creation of slippery surfaces.

Moving parts

Always take the utmost care while carrying out any work requiring contact with belts, gears, pulleys or fans where there is a high risk of being crushed or dragged. Wear appropriate clothing and do not wear loose objects which may become entangled. The cooling fans are activated automatically, therefore disconnect the battery (position the battery disconnect control on OFF) before carrying out any maintenance/repair work on the fans.

Brake dust

Do not blow the brake assembly with compressed air; toxic dust could be released into the air.

Fuel

Fuel is extremely inflammable. It is forbidden to approach fuel with: naked flames, hot surfaces, cigarettes and *components* that may produce sparks (e.g. electrical switches). In some situations, fuel can be explosive.

Carbon monoxide

Exhaust fumes contain carbon monoxide, a highly poisonous gas that can cause fainting, intoxication and death. If it is necessary to carry out work procedures while the engine is running in confined or partially confined areas, ensure the area is well ventilated and always use an exhaust gas scavenging system.

CAUTION!

Raising the car

Placing the jack in positions other than the position illustrated may damage the car and endanger the operator. Ensure the car is parked on a flat surface, that the gear lever is in first gear and that the handbrake is pulled.

Recommendations for the operator!

If a customer asks you to carry out repairs due to problems he or she has encountered, try to gather as many details as possible about the symptoms.

Make this task easier for the customer by asking specific questions about the problem, this will help you to make a prompt diagnosis. Once you have gathered all the information you need, test the problem yourself to confirm.

Schedule repairs rationally to avoid wasting time: Organize your work area, prepare any tools and spare parts. Only work on parts considered essential to the job. To do this, use the indications in this manual as a guideline.

This workshop manual aims to provide a fundamental theoretical basis, which will allow you to work in a rational manner. However, this must be integrated with a sound basic training in mechanics/electronics.

During repairs always use: top quality tools, certified personal protection devices and the special equipment provided by Lamborghini where expressly required.

While carrying out any work, tools must be kept within easy reach, if possible on specifically designed work surfaces and never on top of or inside the car.

When removing small parts or details, always store in a place where they are protected and easy to find. Always mark parts and their position if they need to be reassembled in a certain order.

During re-assembly, always replace gaskets, seals and split pins with new parts.

During re-assembly, beware of parts requiring particular tightening torques.

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