



MATERIALS OPTIMIZATION

# Landing Gear Overhaul and Exchange Program



LIFECYCLE  
SOLUTIONS



# LANDING GEAR EXCHANGE SOLUTIONS

## **Boeing delivers LIFECYCLE SOLUTIONS:**

products, services, and support that will help you achieve success and maximize the value of your Boeing fleet through its lifetime. And Boeing has a LIFECYCLE SOLUTION focused on options for managing your landing gear assets, including overhaul and certification designed to increase efficiency and minimize the economic implications of landing gear maintenance.



## **A PROVEN ECONOMICAL LANDING GEAR SOLUTION**



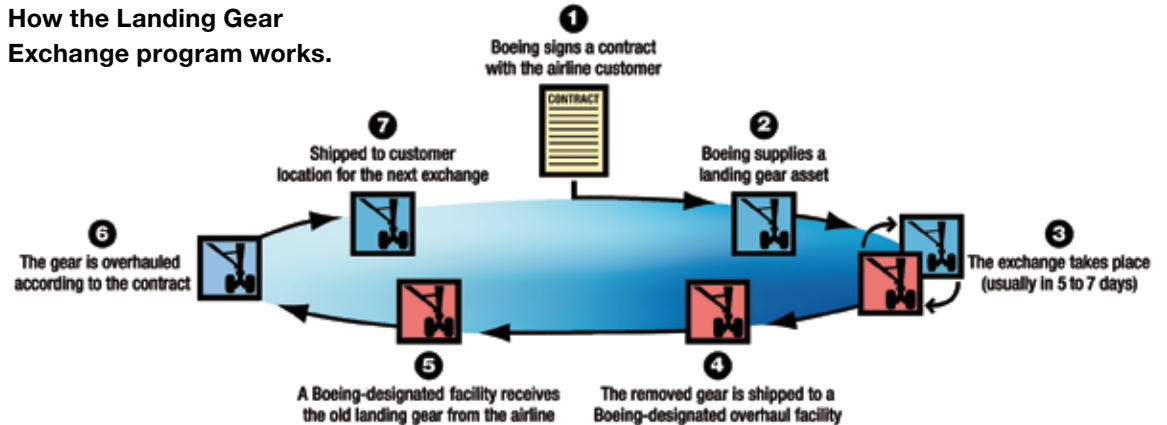
As a Boeing aircraft operator, you are required to remove and overhaul your landing gear about every 10 years or 18,000 cycles (depending on aircraft use). As a Boeing LIFECYCLE SOLUTION, the Landing Gear Overhaul and Exchange program offers owners and operators an alternative to replacing their landing gear with a new asset.

By using the global Boeing Network Service Centers, you can minimize your costs and the time your aircraft is on the ground. No capital investments are required, only the exchange fee and overhaul costs.

This overhaul/exchange program offers a cost-effective approach to fulfilling your landing gear requirements. Boeing will provide total support for your landing gear, including parts, scheduling, exchange, warranty, technical assistance, and recordkeeping. We will work closely with your technical departments to address your landing gear needs and scheduling requirements.

This single-source program covers all parts with a 3-year warranty and meets all worldwide regulatory requirements.

### How the Landing Gear Exchange program works.



### Airline Operational Challenge

**Avoid grounded airplane for lengthy landing gear overhauls**

### Financial performance

### Configuration / data management

### Improve aircraft operational performance

### Landing Gear Overhaul and Exchange program schedule commitments

### Landing Gear Exchange Program Solutions

- Customer can exchange unserviceable landing gear for an overhauled, certified, ready-to-install gear.
- Eliminates customer need to contract and schedule landing gear overhauls with the supplier.
- Customers can reduce or eliminate capital expenditures for extra or leased gear to support their overhaul requirements.
- Minimizes upfront costs and spreads expenditures out over time.
- Pool participants have access to Boeing expertise, data, and product knowledge.
- Includes overhaul and certification of landing gear and testing and recertification of electrical and hydraulics installations according to Component Maintenance Manuals.
- All in-warranty Service Bulletins incorporated in the scope of work.
- Allows customer to focus on scheduled downtime (mods, etc.).
- Boeing manages all parts and engineering and technical issues as well as all unforeseen issues that may arise during overhaul process.
- 3-year warranty on all parts and labor.



## Key Benefits of the Overhaul and Exchange Program

- **Landing Gear Assets.** Exchange with fully overhauled and certified landing gear shipset, including left and right mains and nose shock strut, sidebrace, walking beam, drag brace, mechanical and electrical installations, and installation components.
- **Schedule Commitment.** Provided with a committed pool of landing gear assets, extensive MRO supplier base, forward positioned critical part inventories, and dedicated program management.
- **Comprehensive Offering.** Includes overhaul and certification of landing gear, including all labor costs, replacement of standards and bushings, and testing and recertification of all hydraulics and electronics according to Component Maintenance Manuals. All in-warranty Service Bulletins are also included in basic scope of work.

- **Quality Assurance.** The Boeing Quality Management System backed by a 3-year warranty for all parts and labor.

- **Experience.** Leveraging more than 10 years of experience in highly successful MD-11 Landing Gear Exchange program.



## Program Offerability

717      737NG      757-300      767-300ER/-300F      777      MD-11      Other Programs Under Review



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