

# **SERVICE INFORMATION No. SI 42-192**

# **SERVICE INFORMATION No. SI 42NG-063**

**NOTE:** SI's are used only:  
1) To distribute information from DAI to our customers.  
2) To distribute applicable information/documents from our suppliers to our customers with additional information.  
Typically there is no revision service for SI's. Each new information or change of that will be sent along with a new SI.

## **I. TECHNICAL DETAILS**

### **1.1 Airplanes affected:**

All DA 42, DA 42 M, DA 42 NG and DA 42 M-NG airplanes

### **1.2 Subject:**

Main Landing Gear Extension/Retraction Mechanism

ATA-Code: 32-00

### **1.3 Reason:**

There have been certain reported cases of the gear NOT EXTENDING, because of clearance issues caused by various outside factors, i.e.: retread tires, tire over-inflation, tire out-of-tolerance from vendor and incorrect tire installed. Due to these occurrences of main landing gear not extending during flight, Diamond Aircraft is issuing this Service Information.

### **1.4 Information:**

It is imperative that the maintainer follow all steps in the Aircraft Maintenance Manual to ensure proper function of the gear extension and retraction mechanism.

Due to various factors outside the manufacturer's control, it is IMPERATIVE that main landing gear wheel is adjusted in retracted position post tire/wheel installation, including a measurement of the tire clearance and an operational test (gear swing) on ground as per the Airplane Maintenance Manual Section 32-10.

For approved tyre types refer to Airplane Maintenance Manual Chapter 06-00.

## **II. OTHERS**

In case of doubt contact Diamond Aircraft Industries GmbH.