

# UNAPPROVED PARTS NOTIFICATION



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVR-20  
45005 AVIATION DRIVE, SUITE 214  
DULLES, VA 20166-7541

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## AFFECTED AIRCRAFT

Bell Helicopter 206L-1, 206L-3, 206L-4

## PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, maintenance entities, suppliers, and distributors of improperly overhauled transmission assembly components for the above-referenced aircraft.

## BACKGROUND

On September 20, 1995, a Bell 206L-1, registration number N2777W, was involved in a blade strike accident causing substantial damage to the aircraft that included torsional yielding of the main rotor mast. Quality Aircraft, Inc. (Quality), an aircraft parts distributor located at 1161 Cedar Dr., Midlothian, TX 76065, subsequently purchased the damaged aircraft. Quality utilized Galactic NDT Services, Inc., to perform magnetic particle and liquid penetrant inspections on the transmission parts. Galactic was not informed that the transmission had been involved in an accident, and therefore did not conduct additional hidden-damage inspections. The Bell Helicopter Maintenance Manual, BHT-206L1-MM-1, states: "CAUTION: If the main rotor mast has evidence of torsional yielding, the mast assembly, transmission assembly, main driveshaft, and freewheeling assembly shall be considered unserviceable and scrapped." The parts listed below may have been contained in the accident aircraft transmission assembly.

Part Name	Part Number	Serial Number
Link Attachments	206-033-513-001	B12-2520, B12-2567, B12-2658, and B12-2715
Stop - R/H	206-033-542-001	N/A
Stop - L/H	206-033-542-003	7925-3
Gear - Pinion	206-040-020-009	B12-7420
Gear - Spiral	206-040-025-001	B12-6138
Nut	206-040-046-003	N/A
Nut	206-040-047-001	N/A
Housing	206-040-052-009	B12-5194
Tube	206-040-064-001	N/A
Ring Spacer	206-040-068-001	N/A
Housing - Bearing	206-040-091-003	B12-8180
Gear - Ring	206-040-124-003	B12-11499
Housing	206-040-129-001	N/A
Filter - Head	206-040-525-001	B12-927
Dowel	206-040-528-001	N/A
Case - Main	206-040-530-001	B12-283
Case	206-040-531-001	B12-880
Case Top	206-040-532-005	B12-793A
Support - Lower	206-040-533-001	B12-763
Nut	206-040-539-009	N/A
Gear - Shaft	206-040-540-003	B12-1091
Gear - Sun	206-040-562-103	B-3307

**RECOMMENDATION**

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, maintenance organizations, suppliers, and distributors should inspect their aircraft, aircraft records, and/or aircraft parts inventories for any of the above-referenced parts originating from Quality Aircraft, Inc. If any of the parts are installed, appropriate action should be taken. If any of the parts identified in the above list are found in existing stock, it is recommended that the parts be quarantined until a determination can be made regarding each part's eligibility for installation.

**FURTHER INFORMATION**

Additional information may be obtained from the FAA Flight Standards District Office (FSDO) shown below. The FAA would appreciate any information concerning the discovery of the above-referenced unapproved parts from any source, the means to identify the source, and the action taken to remove the parts from service.

This notice originated from the Dallas FSDO, 3300 Love Field Drive, Dallas, TX 75235, telephone (214) 902-1827, fax (214) 902-1862, and was published through the FAA Suspected Unapproved Parts Program Office, AVR-20, telephone (703) 661-0581, fax (703) 661-0113.