

A technician wearing glasses and a blue shirt is working on a large, complex mechanical component, likely a helicopter engine or transmission. The component is mounted on a stand and has various parts, including a large gear at the top. The technician is looking up at the component with a focused expression. The background is dark and industrial.

Airbus Helicopters Canada

**MAINTENANCE
REPAIR &
OVERHAUL
SERVICES**



Airbus Helicopters Canada prides itself on its comprehensive support and services solutions. In addition to being certified for overhauls of dynamic components, Airbus Helicopters Canada also has the capabilities to perform repairs and machining in-house.

This integrated approach to repairs and overhauls is the result of Airbus Helicopters Canada's commitment to quality, efficiency, and customer service.

The result - customer savings in time and money.



Table of Contents

Support and Services	4
Repair and Overhaul	5
Dynamic Component Repair: H125/AS350 & H130/EC130 T2	6
Dynamic Component Repair: H120/EC120 B	38
Appendix	48
Contacts	60



Support and Services

Maintenance - Repair - Overhaul – Customization

To keep aircraft operating at peak performance, Airbus Helicopters Canada offers an extensive range of support and service solutions. Airbus Helicopters Canada is committed to providing customers with a high level of support, to ensure that specific requirements are met.

Over the years, Airbus Helicopters Canada has developed a wide array of industry-leading inspections, repairs, overhauls, and exchange programs to offer services suited to the customers' specific needs while striving for a maximum availability of their aircraft.

With use of one of Airbus Helicopters Canada's comprehensive support & service programs, Canadian operators will benefit from the Airbus Helicopters knowledge base, workmanship, processes and network.



Repair and Overhaul

One-Stop-Shop

Airbus Helicopters Canada's level I-IV Repair and Overhaul (R&O) department is certified for all dynamic components, mechanical assemblies (TRGB + RGB) for the EC120, EC 130, and AS350.

All Airbus Helicopters Canada R&O department personnel are trained to Airbus standards. Airbus Helicopter's Repair & Overhaul shop is equipped with:

- Dynamic transmission run-in stands and test benches - EC120, EC130, AS350
- Transmission static load stands - EC120, AS350

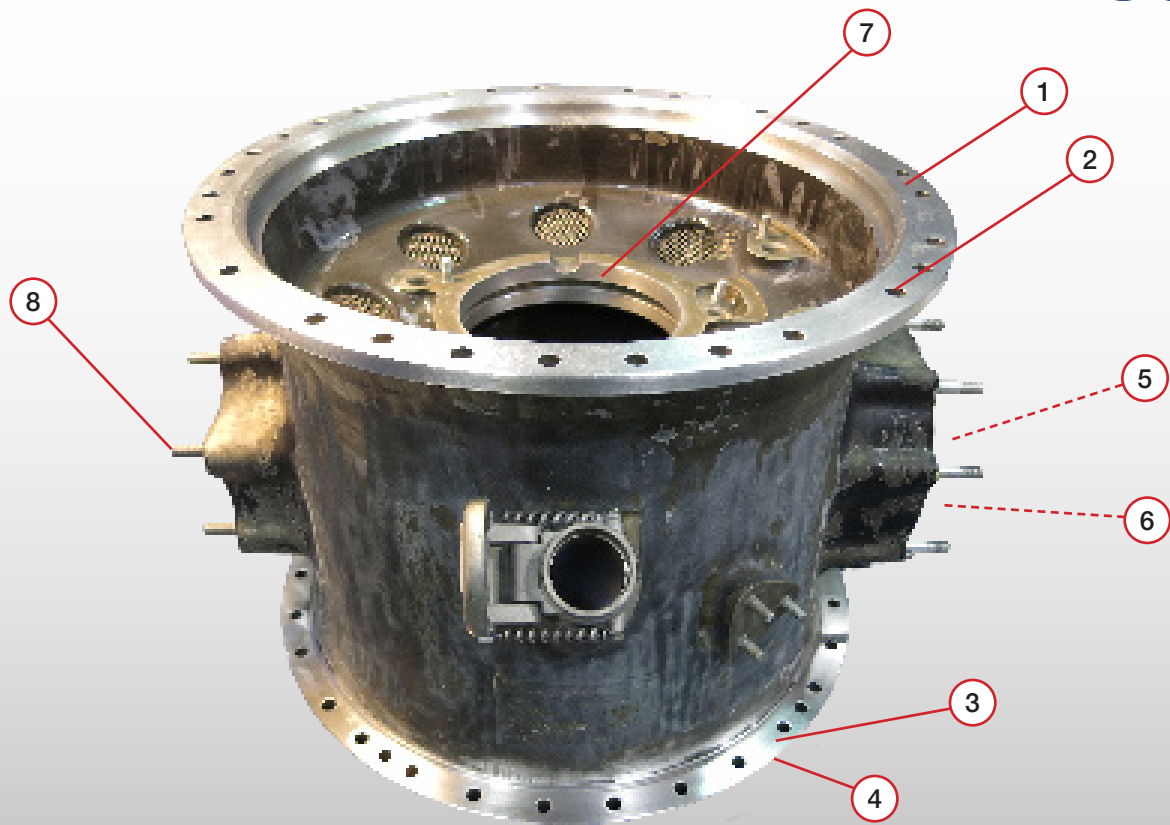
As part of Airbus Helicopters Canada's repair and overhaul processes, repairs and machining on a wide range of parts and sub-assemblies are performed in-house -saving customers time and money.



Dynamic Components Repair

H125 / AS350

H130 / EC130 B4

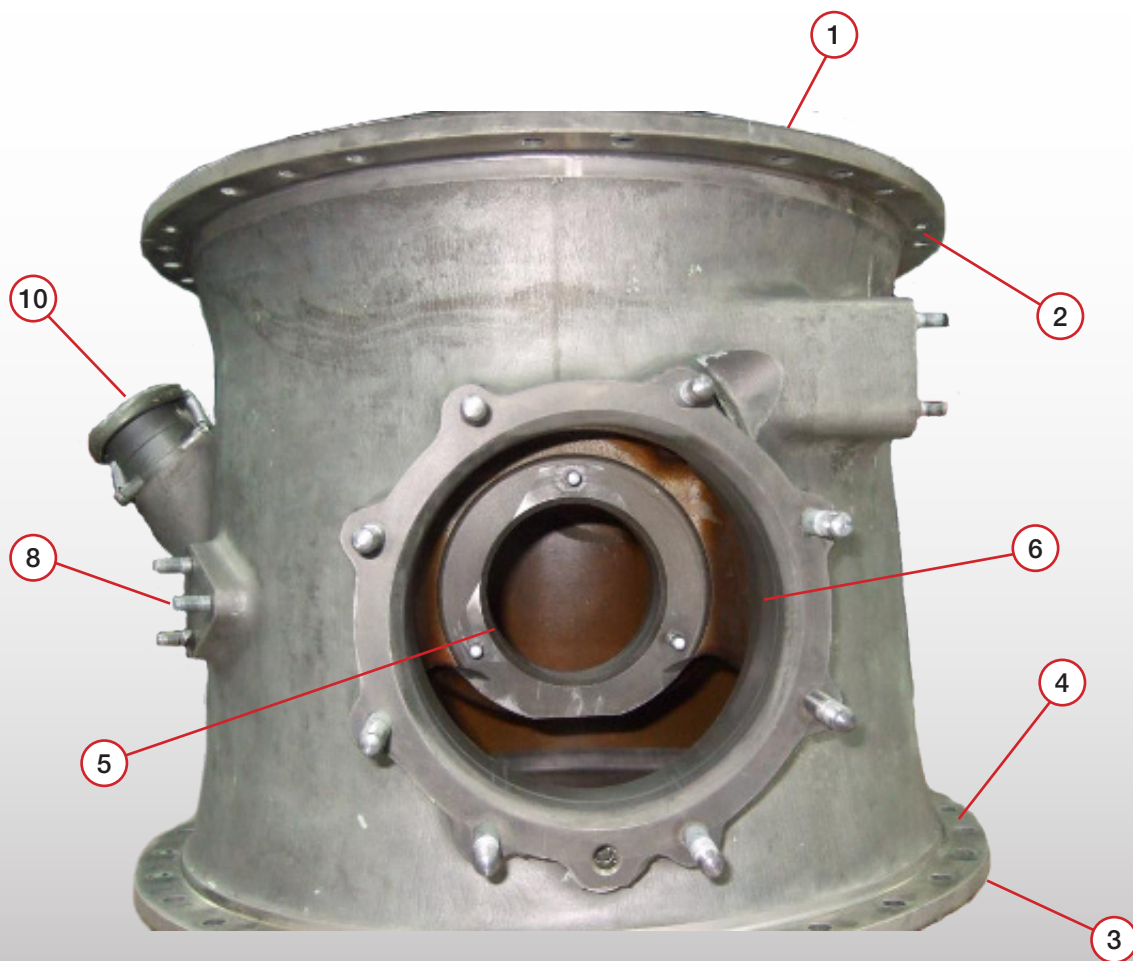


350 A 32-3156

Main case

Repairs available:

1. Repair upper mounting flange
2. Repair lower flange bolt holes
3. Repair upper flange lower surface with shim
4. Repair lower flange upper surface with shim
5. Repair 72mm bore
6. Repair 126mm bore
7. Repair 136mm bore
8. Replacement of 13 studs by Rosan studs

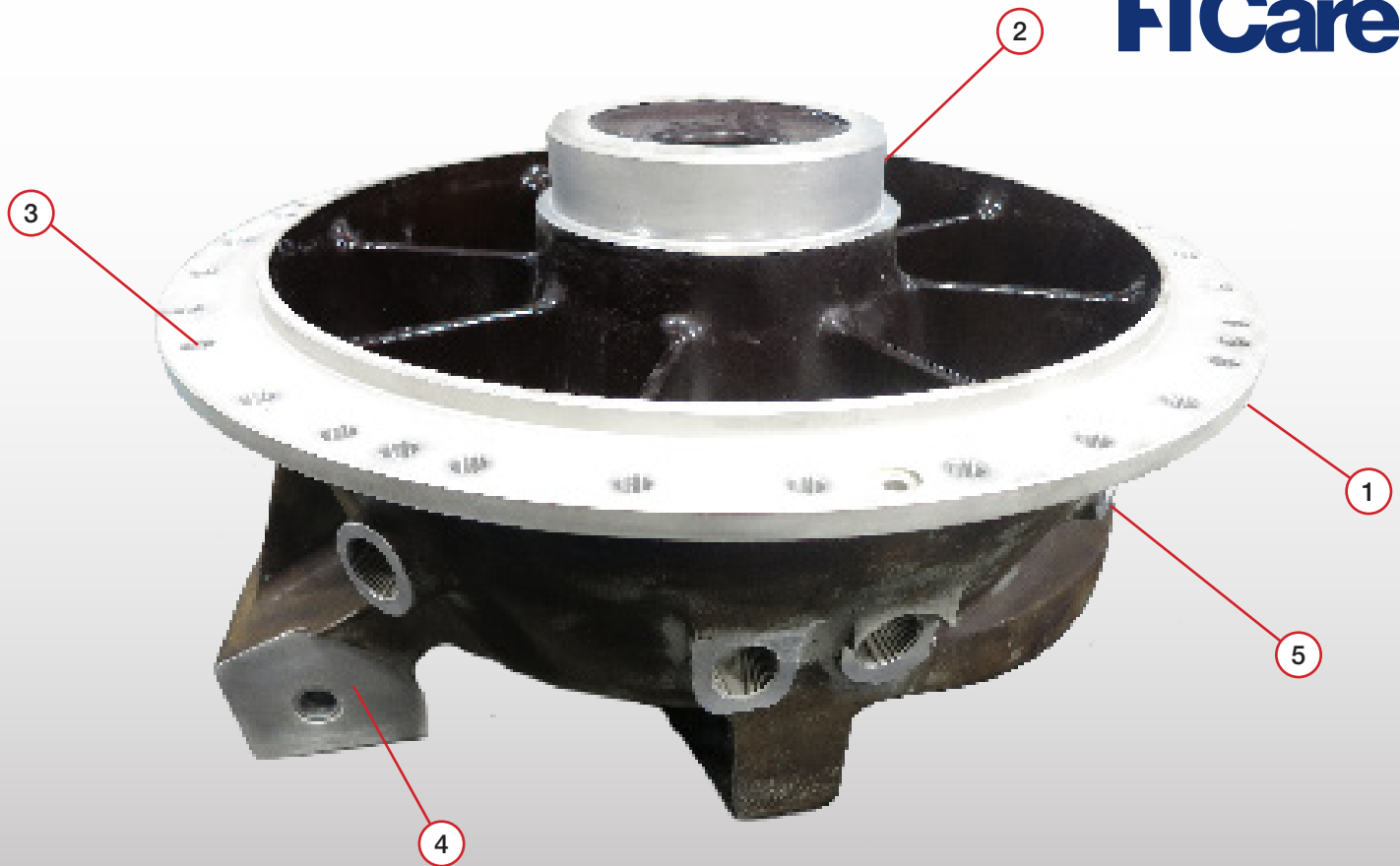


350 A32 -3121

Main Case

Repairs available:

1. Repair upper mounting flange
2. Repair lower flange
3. Repair lower flange upper surface with shim
4. Repair upper flange lower surface with shim
5. Repair 72mm bore
6. Repair 126mm bore
7. Repair 136mm bore
8. Remove old studs from various location and install Rosan studs
9. Repair upper and lower flange bolt holes
10. Convert .01 to .02 by installing modifier filler cap

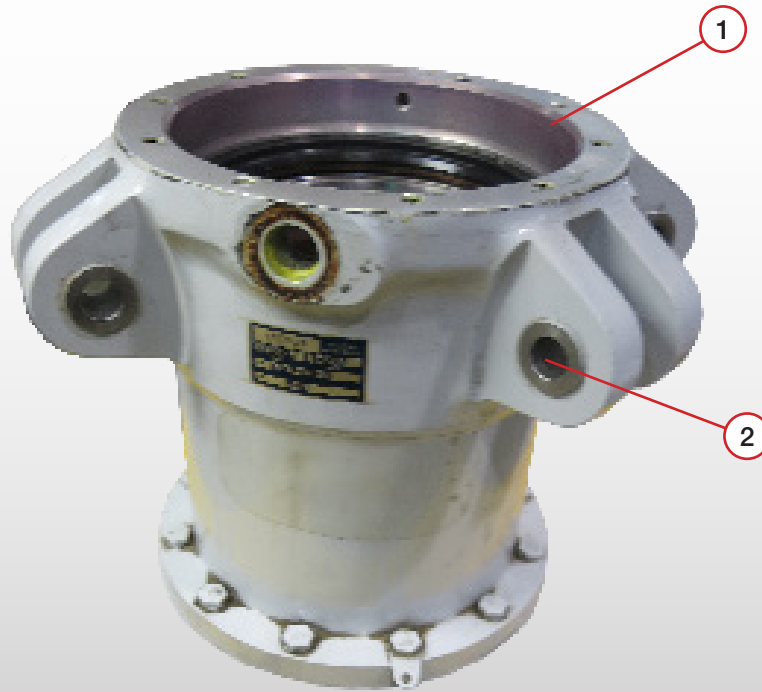


350 A 32-3119

Lower case

Repairs available:

1. Repair of lower surface of mount flange
2. Repair 127mm O.D
3. Repair bolt holes
4. Repair torque mount pads
5. Modification of the magnetic plug bore

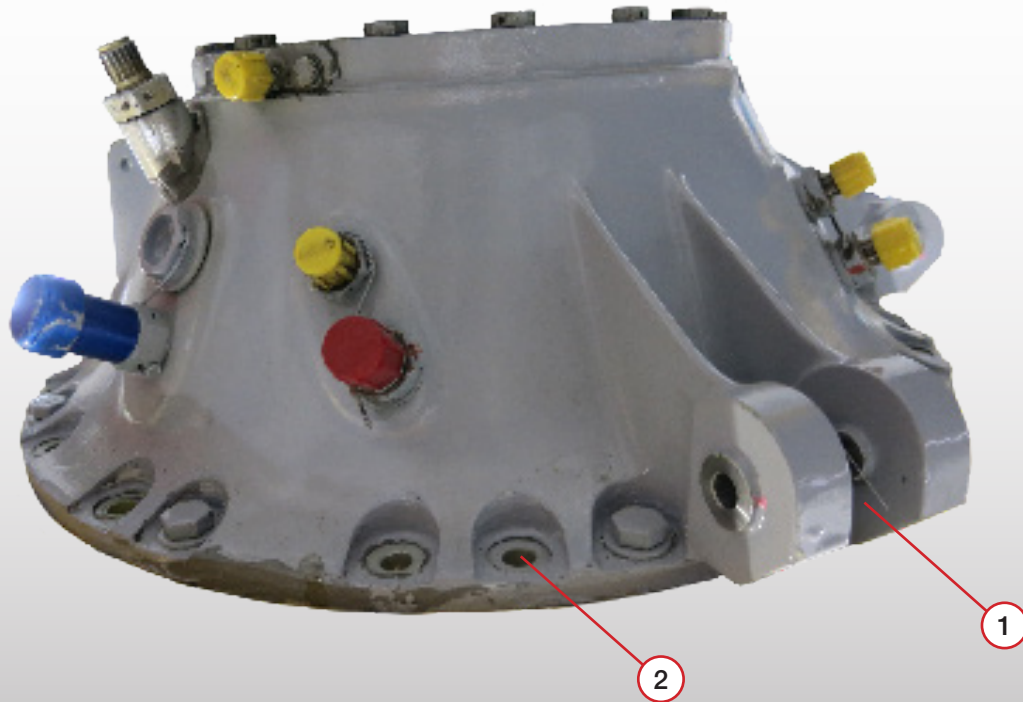


350 A 37-1196
350 A 37-1291

Upper rotor mast housing

Repairs available:

1. Repair of seal diameter (160mm dia)
2. Remove and replace the bushings

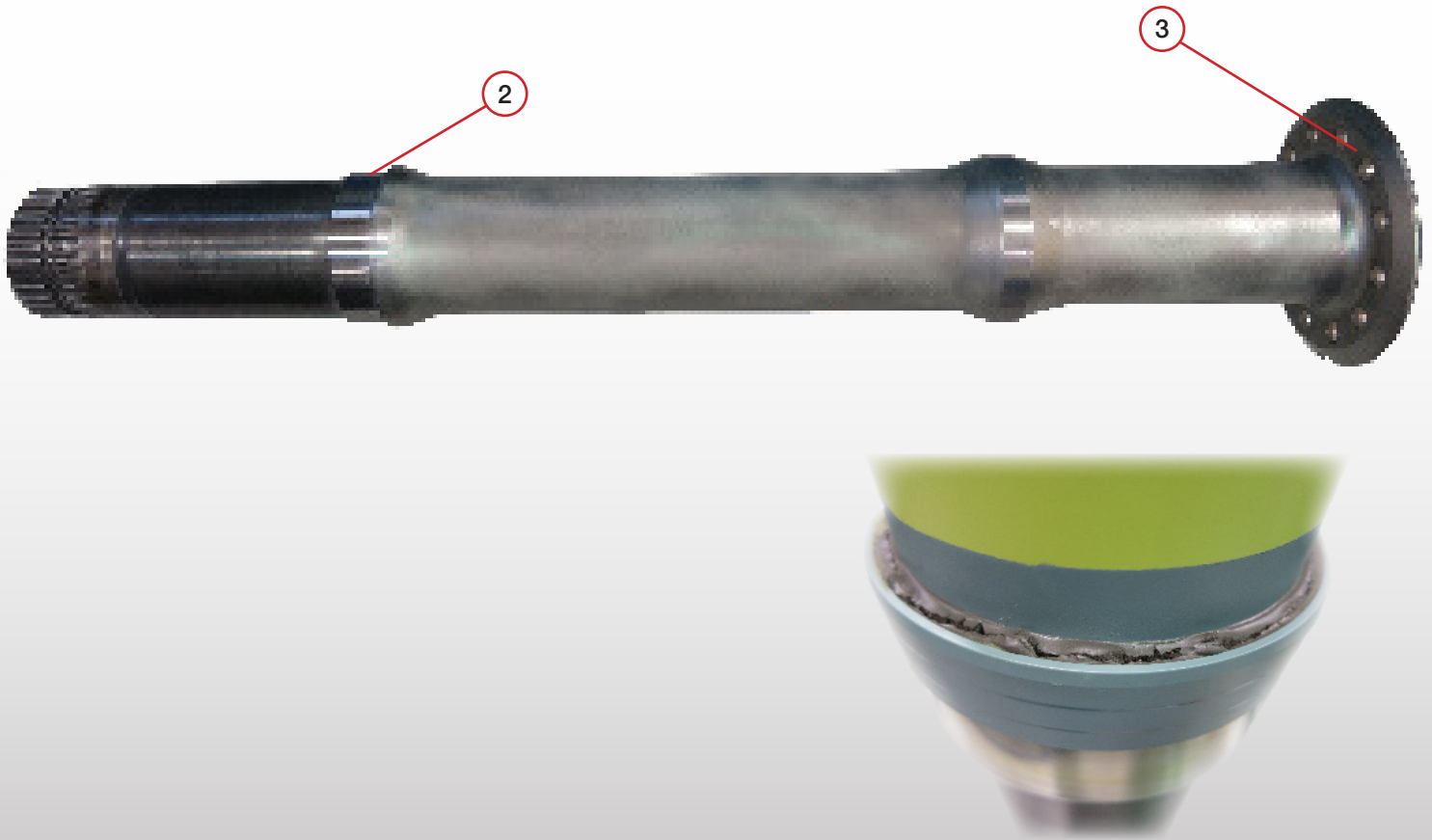


350 A 37-1195
350 A 37-1292

Lower rotor mast housing

Repairs available:

1. Remove and replace the lug bushings
2. Repair lower mount bolt holes

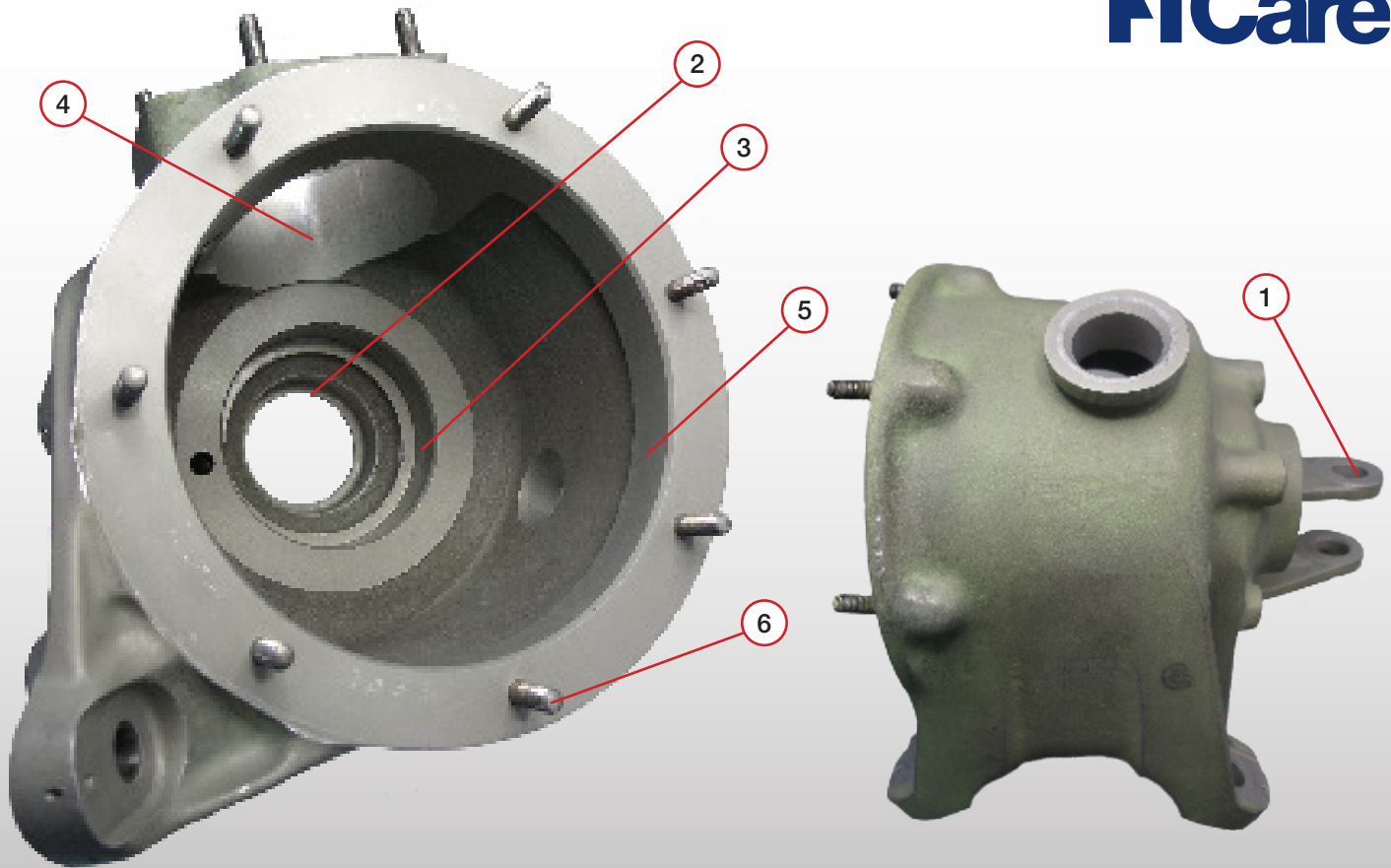


350 A 37-1290
350 A 37-1076

Main rotor mast

Repairs available:

1. Overhaul converts .00 to .02 or .01 to .03
2. Remove and replace bearing sleeve
3. Remove and replace flange bushings

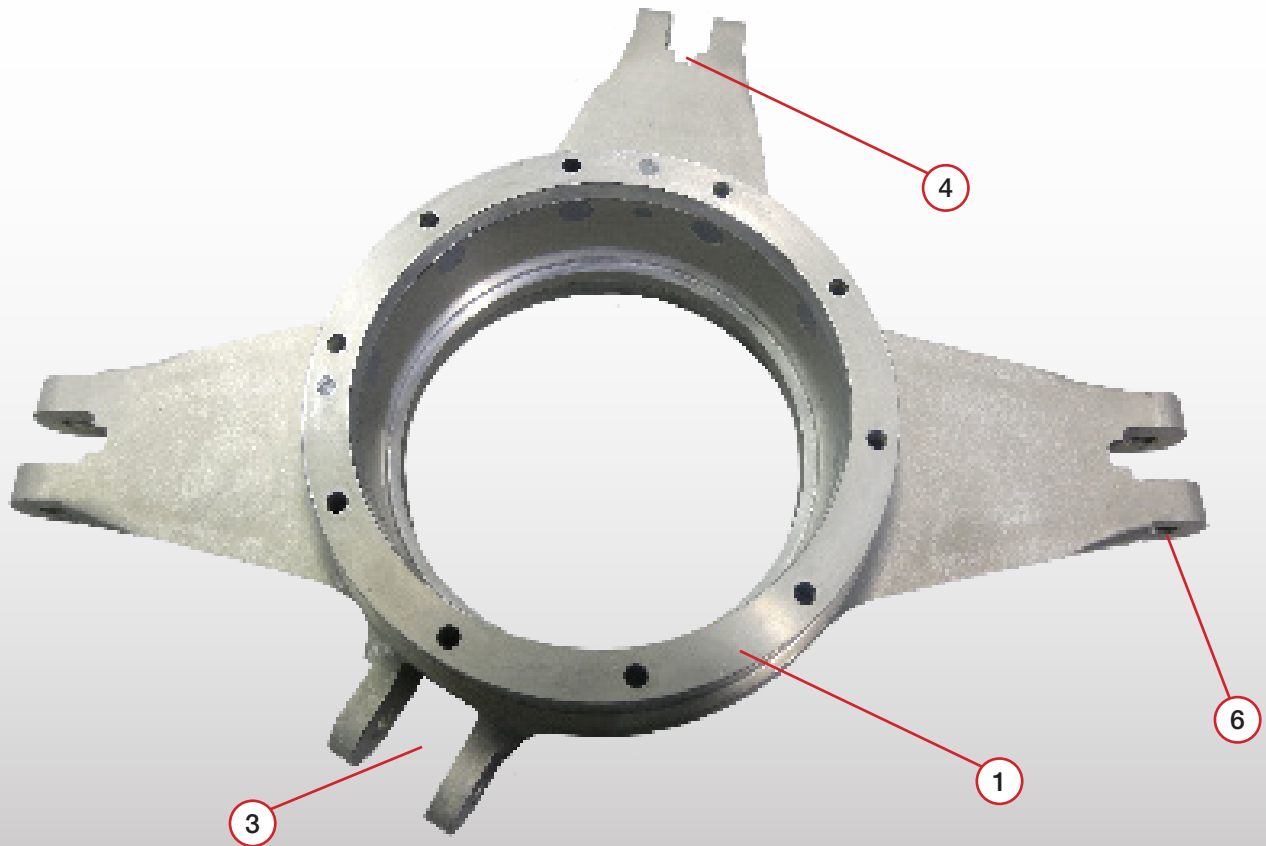


350 A 33-1090

Tail rotor gear box case

Repairs available:

1. Replacement of the yoke bushings, three oversizes available
2. Repair of the 50mm bore
3. Repair of the 74mm bore
4. Repair of the 70mm bore
5. Repair of the 134mm bore
6. Replacement of damaged studs

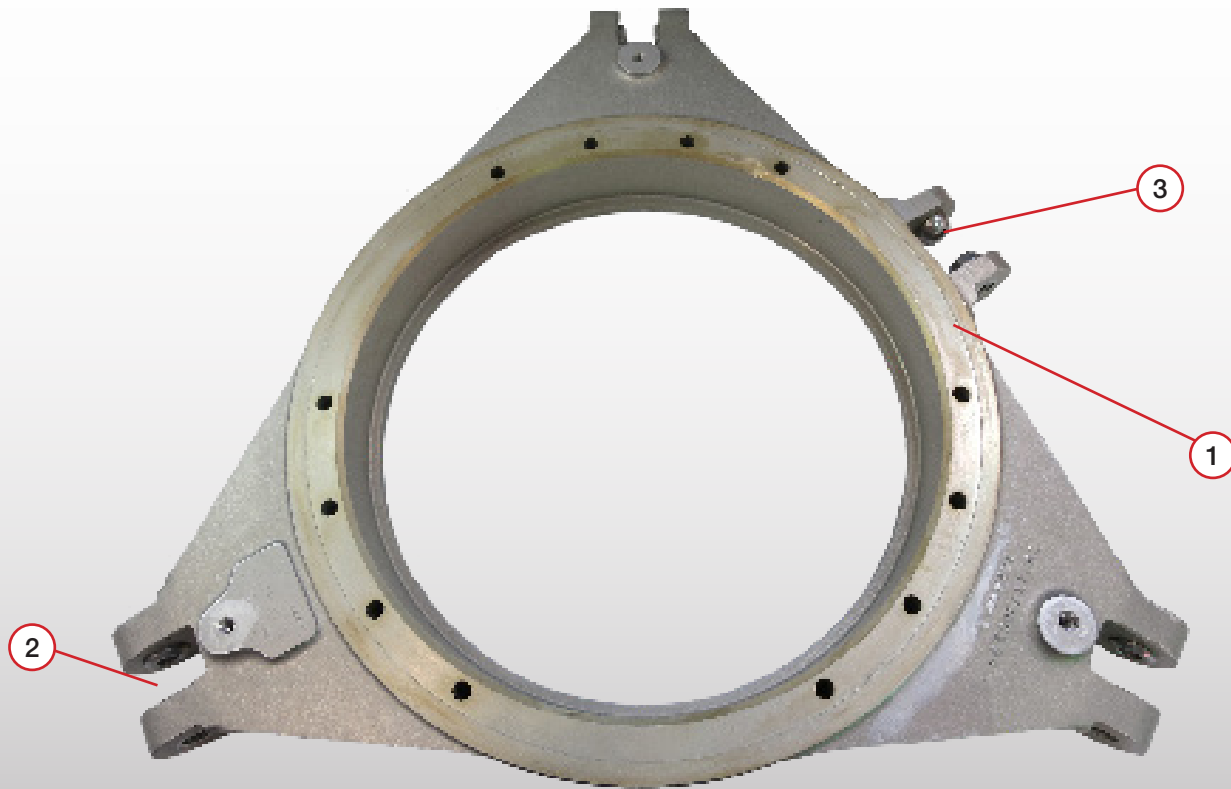


350 A 37-1002

Non rotating star

Repairs available:

1. Repair of the 157mm uniball bore
2. Touch-up of polyurethane varnish and paint
3. Remove and replace control arm bushing with bore repair
4. Modify to .06 by machining and installing stirrups
5. Replace damaged or missing stirrups
6. Replace 12mm barrel nut bushing
7. Repair of the upper mounting surface
8. Conversion .06 into .07 MOD 07.6181

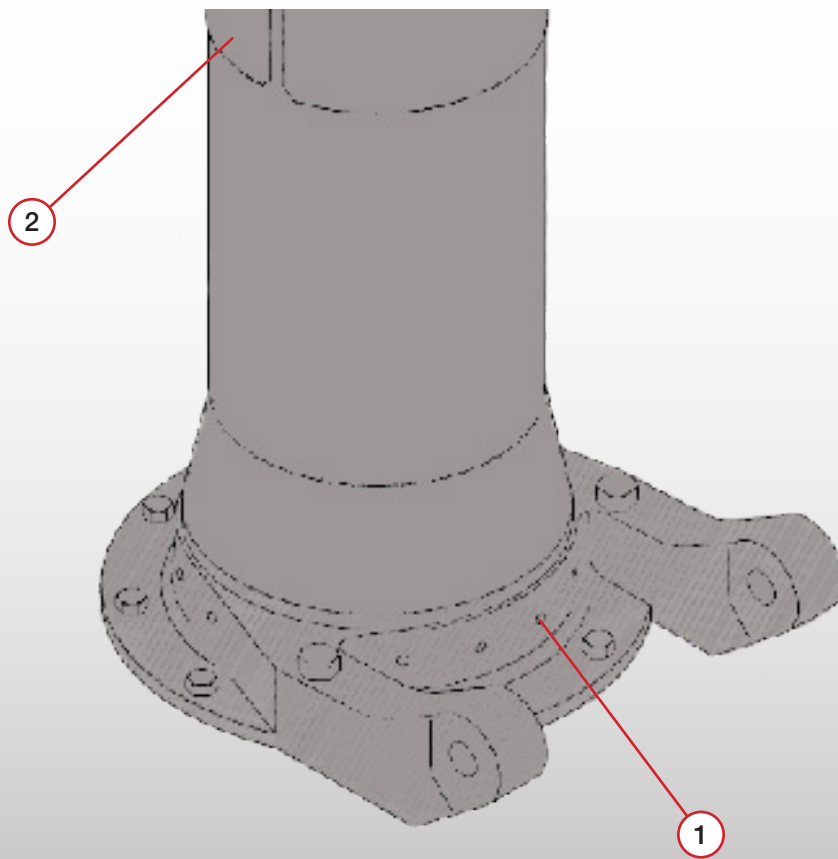


350 A 37-1003

Rotating star

Repairs available:

1. Repair of the upper mounting surface
2. Removal and replacement of the control arm bushings.
3. Removal and replacement of the scissors link bushings.
4. Convert .05 or .06 into .07
5. Convert .07 into .08
6. Repair Misc. damage (mechanical and corrosion)



350 A 37-1181

Swashplate guide

Repairs available:

1. Remove and replace cracked/sheared rivets
2. Replacement of tube

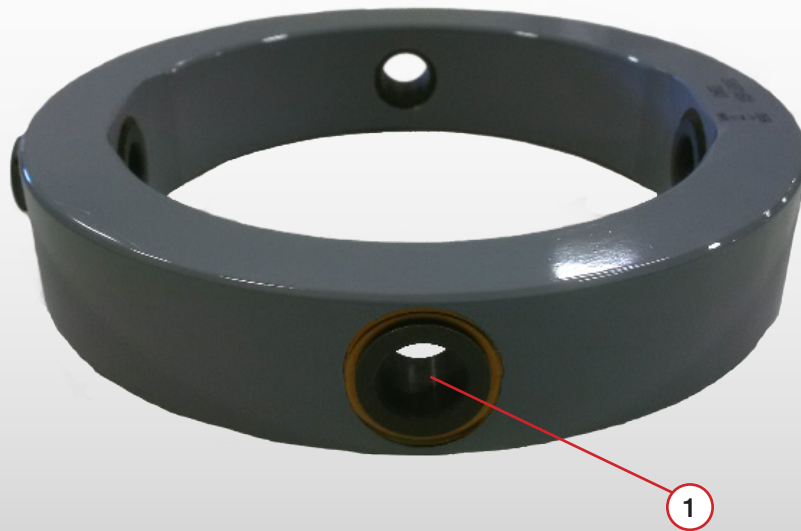


350 A 35-1093 / 1104

Gimbal case

Repairs available:

1. Removal and replacement of the bushings

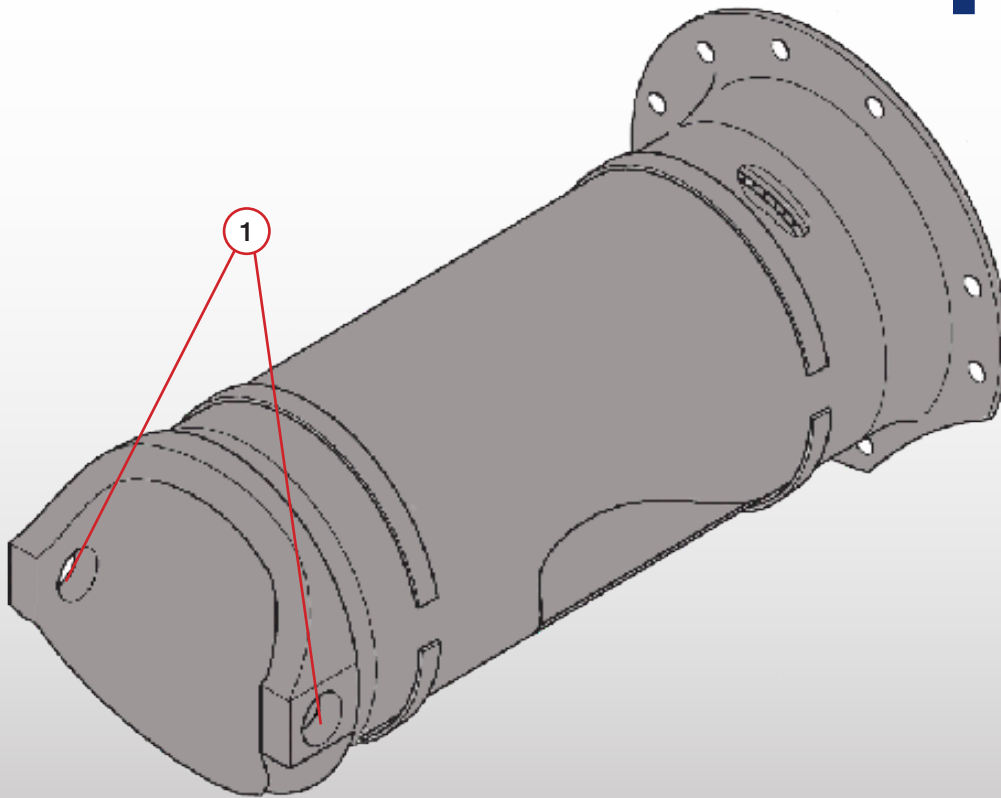


350 A 35-1105

Gimbal ring

Repairs available:

1. Removal and replacement of the bushings



350 A 35-1102

Flared housing assembly

Repairs available:

1. Remove and replace bushings

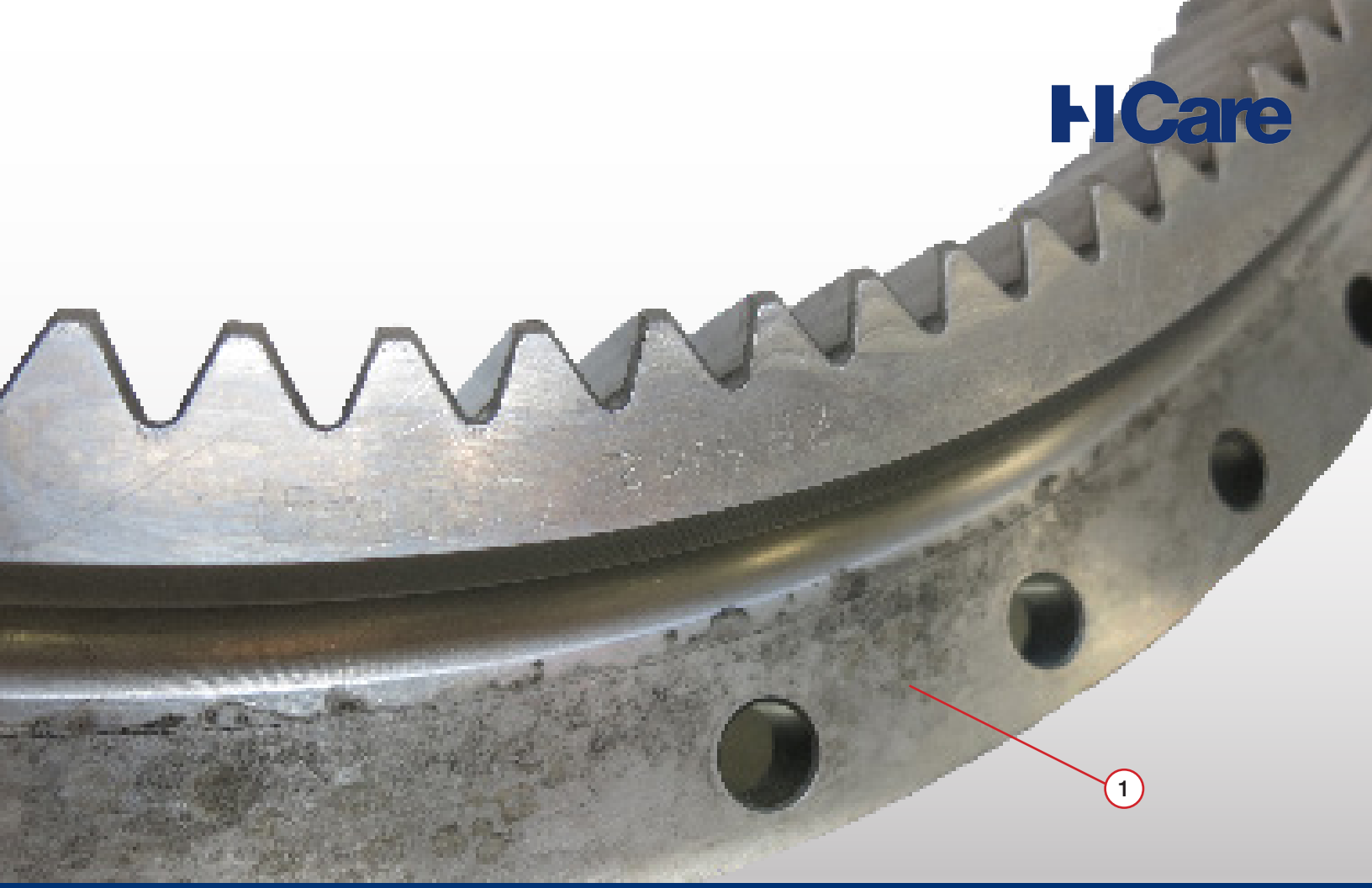


350 A 31-1877 / 1878

Pitch horn

Repairs available:

1. Removal of bushings and replacement of the stop bushing
2. Oversize bores and replacement of the blade horn bushings
3. Paint

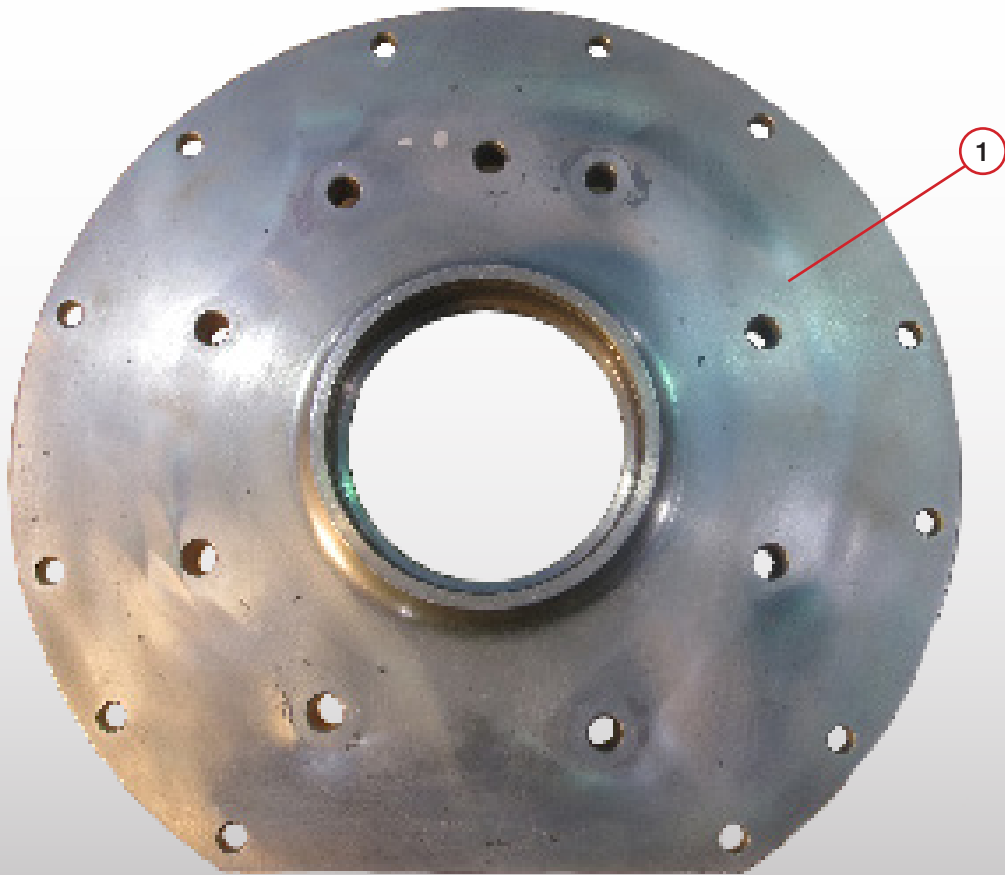


350 A 32-1051
350 A 32-1086
350 A 32-1118
350 A 32-1119

Fixed Ring gear

Repairs available:

1. Repair of damage to flange faces

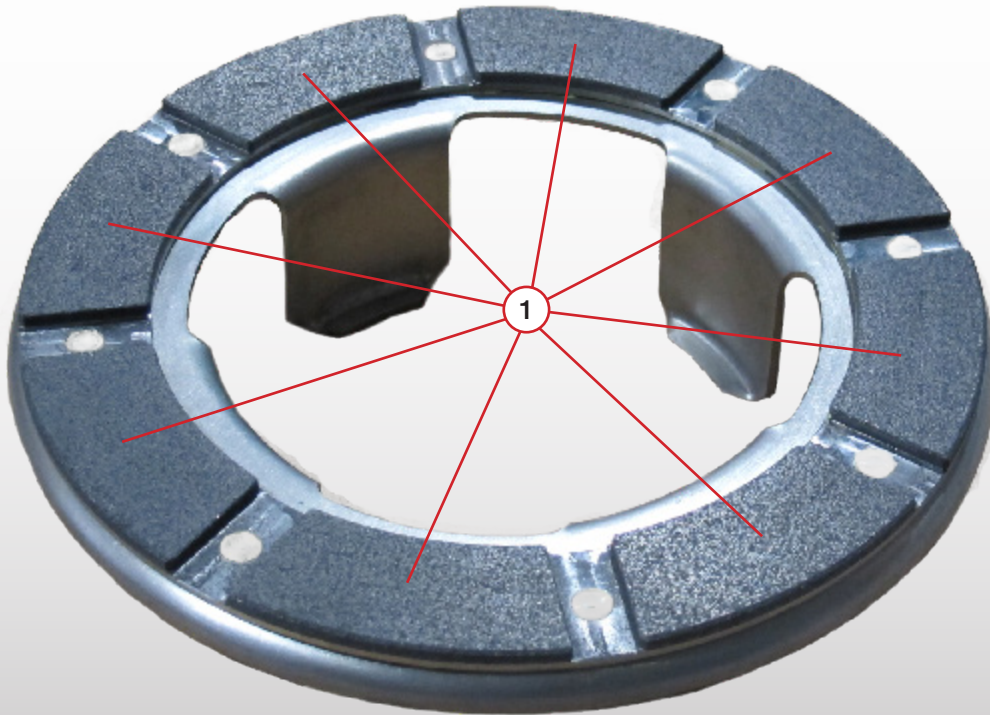


350 A 32-3126

Input housing

Repairs available:

1. Repair corrosion on outboard face
2. Convert from .20 to .21(not shown)



350 A 32-5010

Rotor brake lining support assembly

Repairs available:

1. Remove and replace worn pad

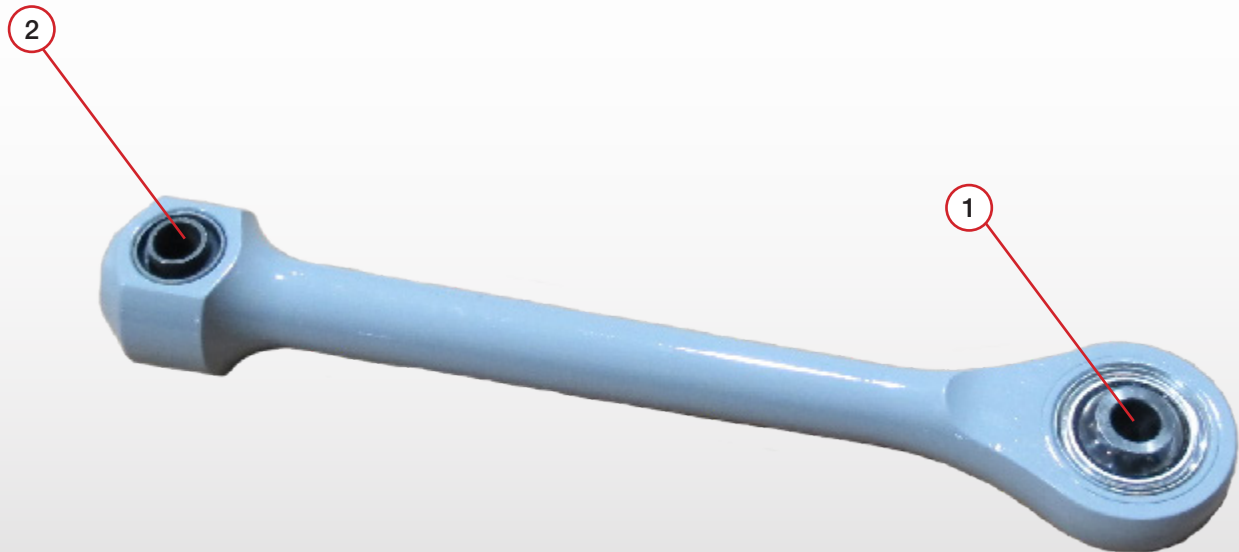


350 A 33-1058 / 1526 / 1535

Tail gear box control lever

Repairs available:

1. Remove and replace carbide bushings with bore repair

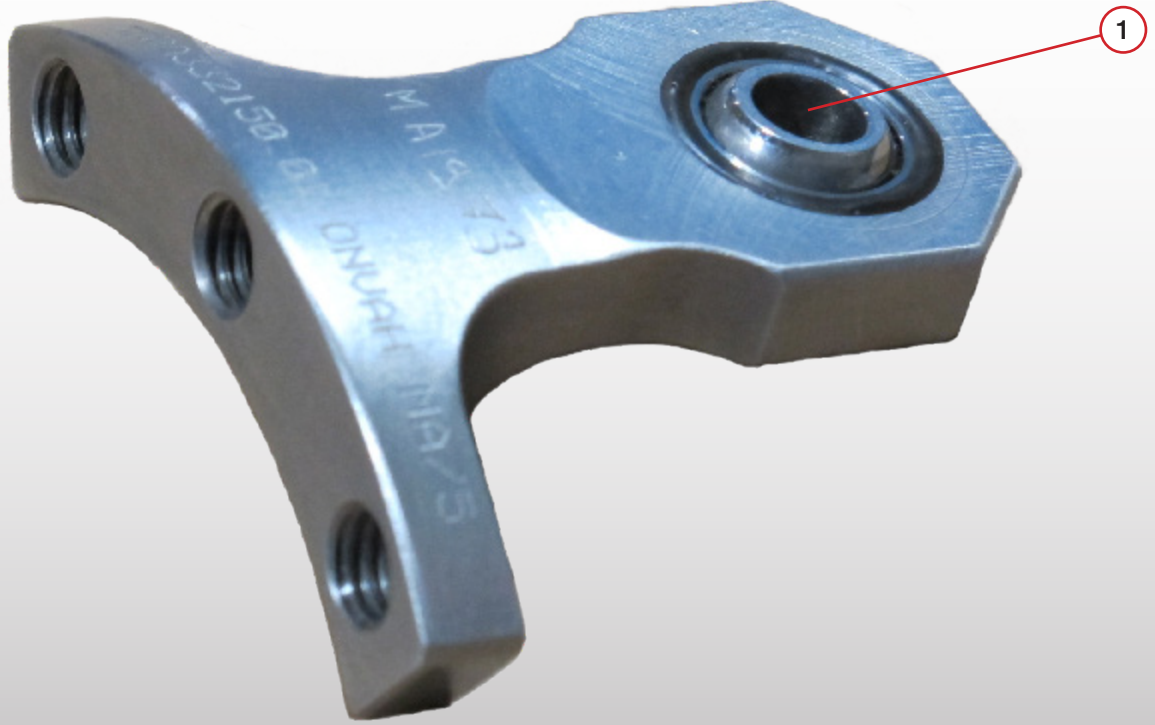


350 A 33-2145

Pitch control

Repairs available:

1. Remove and replace spherical bearing
2. Remove and replace elastomer resin



350 A 33-2150

Spherical bearing yoke

Repairs available:

1. Remove and replace spherical bearing



350 A 37-1126

H scissors link

Repairs available:

1. Replacement of the bushings (4)



350 A 37-1127

Y scissors link

Repairs available:

1. Replacement of bearing



350 A 37-1228

Stirrups yoke

Repairs available:

1. Retrofit .21 into .22
2. Retrofit .22 into .23

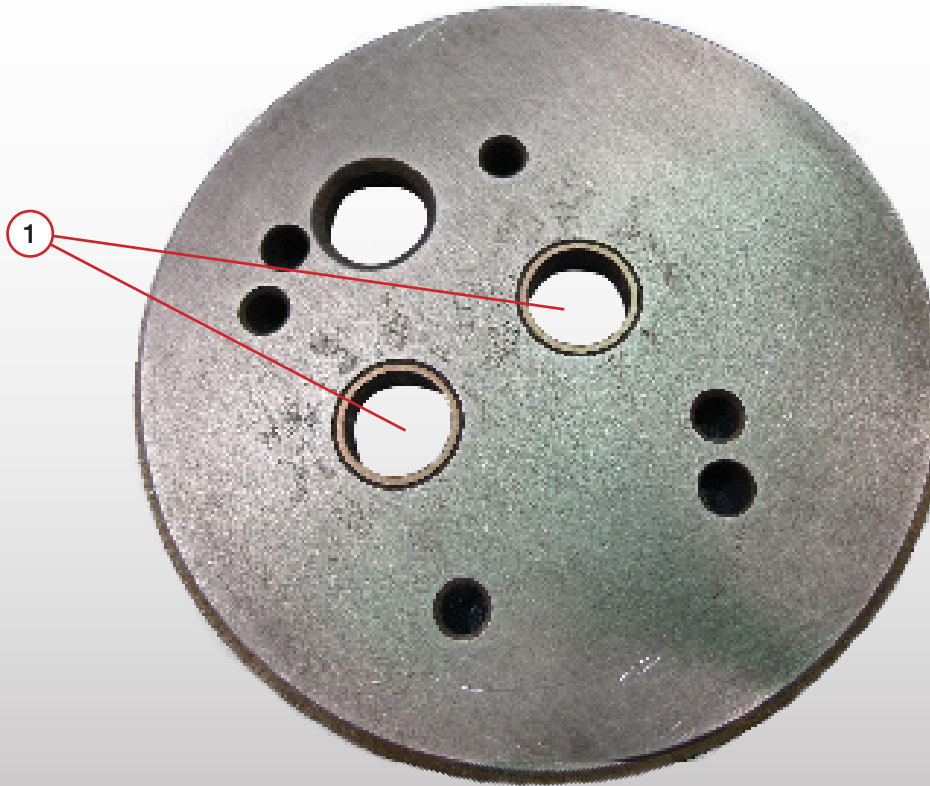


350 A 38-1018 /1040

Transmission crossbeam

Repairs available:

1. Repair mounting bores

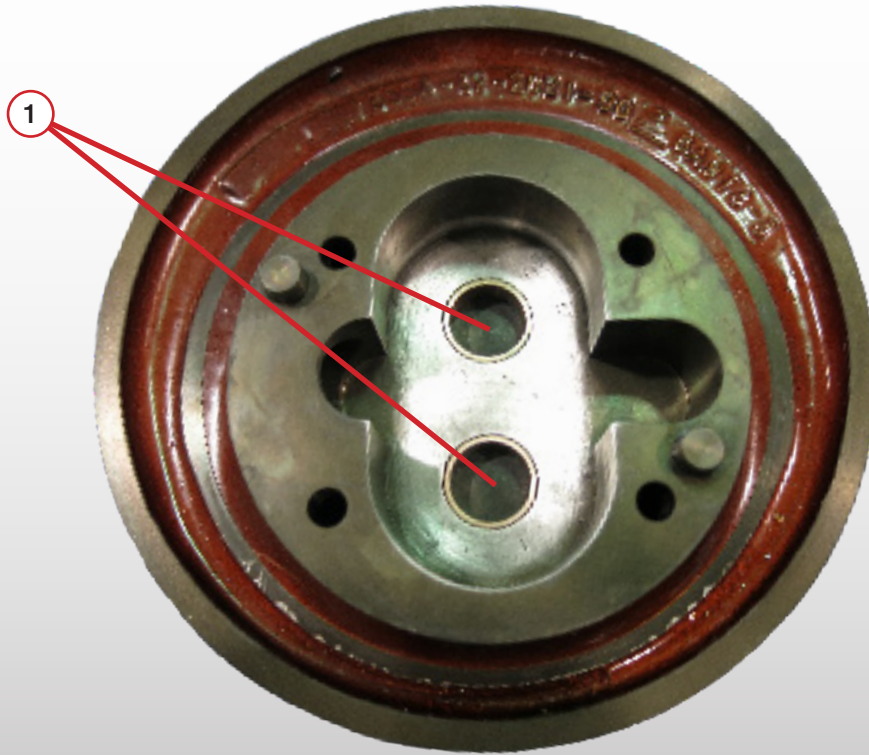


350 A 32-2020

Upper flange

Repairs available:

1. Remove and replace bushings and install oversize bushings as necessary

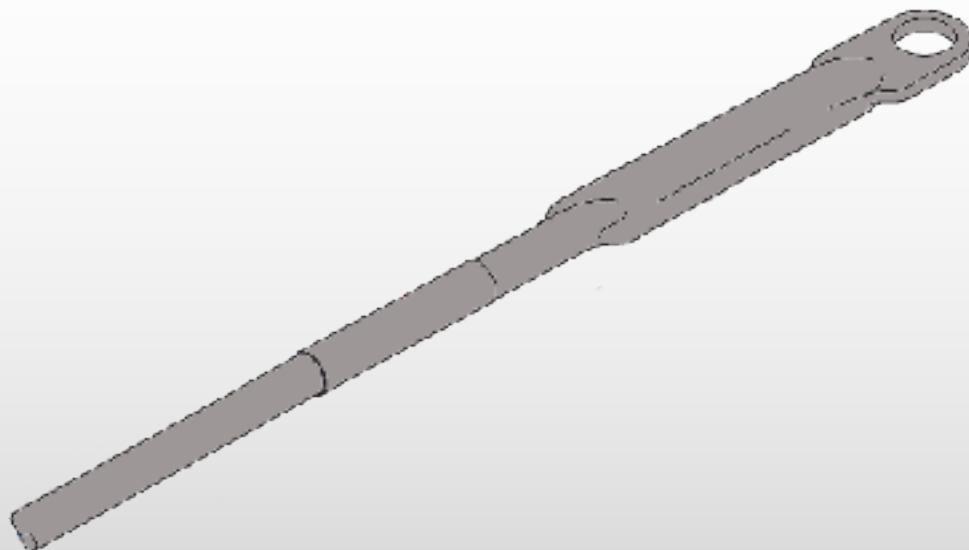


350 A 32-2021

Oil pump casing

Repairs available:

1. Remove and replace bushings and install oversize bushings as necessary

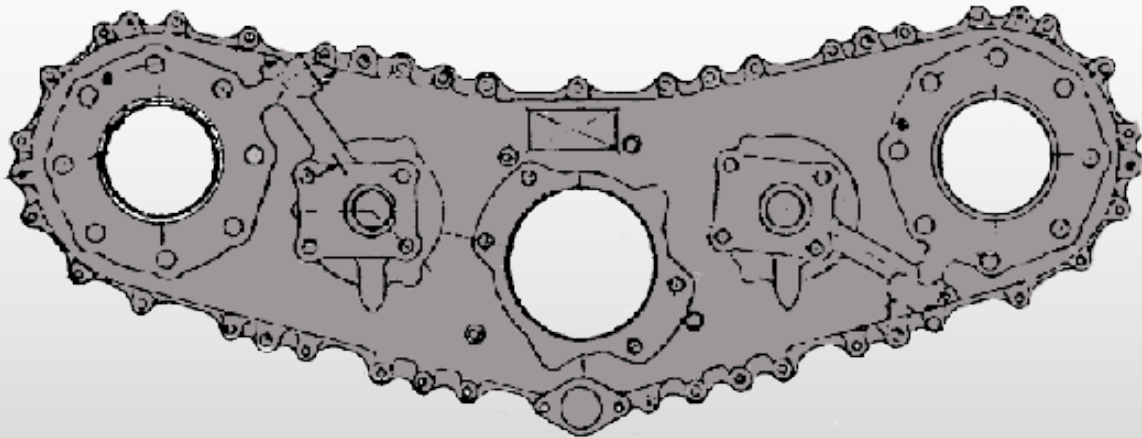


350 A 27-1910

Tail Gear Box actuating

Repairs available:

1. Replace worn/damaged bearing

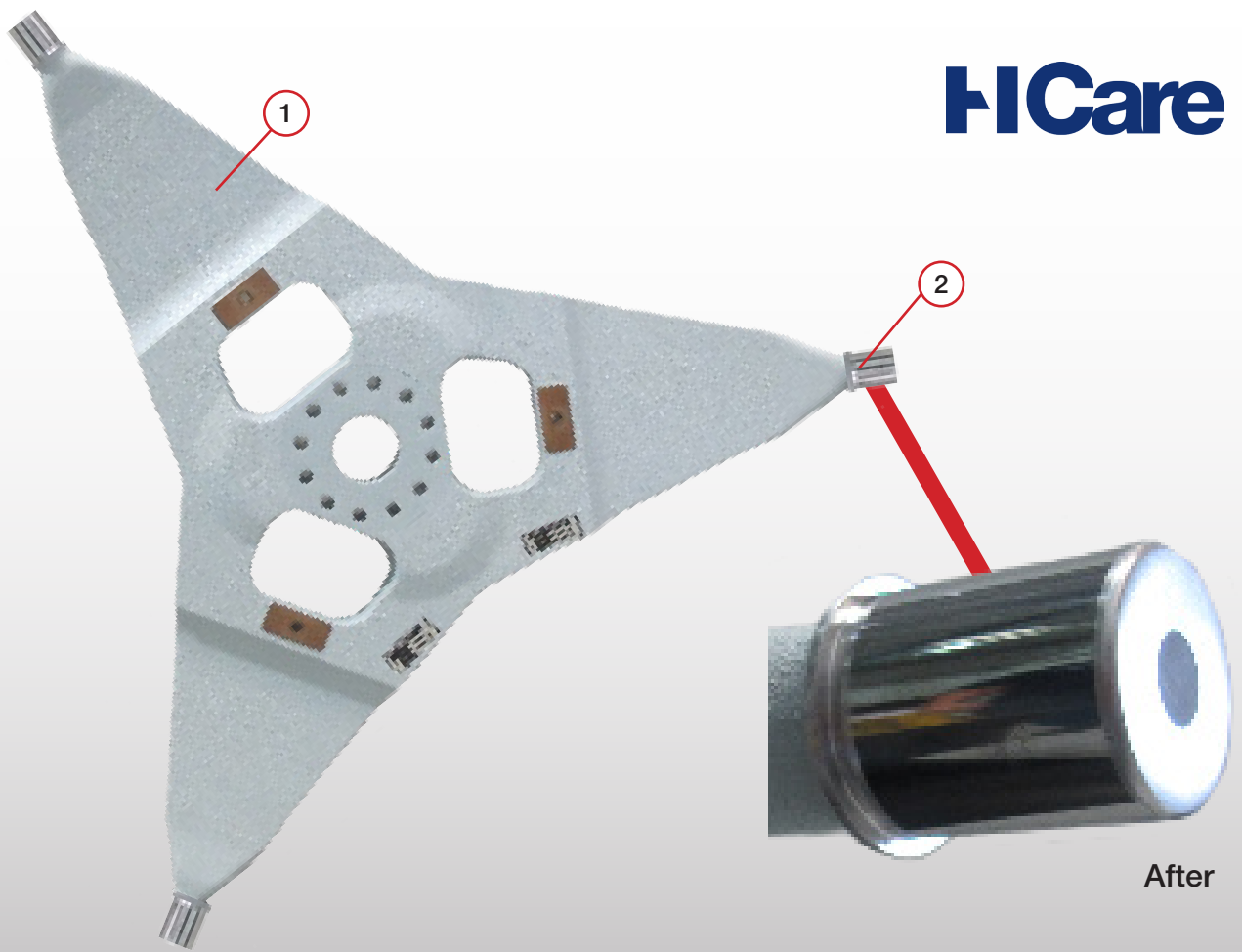


355 A 32-2005

Combining gear box Aft

Repairs available:

1. Repair of Aft half dowel pin holes
2. Repair the 95mm bores
3. Repair snap ring grooves 89mm bores
4. Repair damaged surface adjacent to 95mm bores
5. Repair of 120mm bore, face and bore
6. Repair of 120mm bore, face and bore above the bore pin
7. Repair of alignment dowel bushing bore

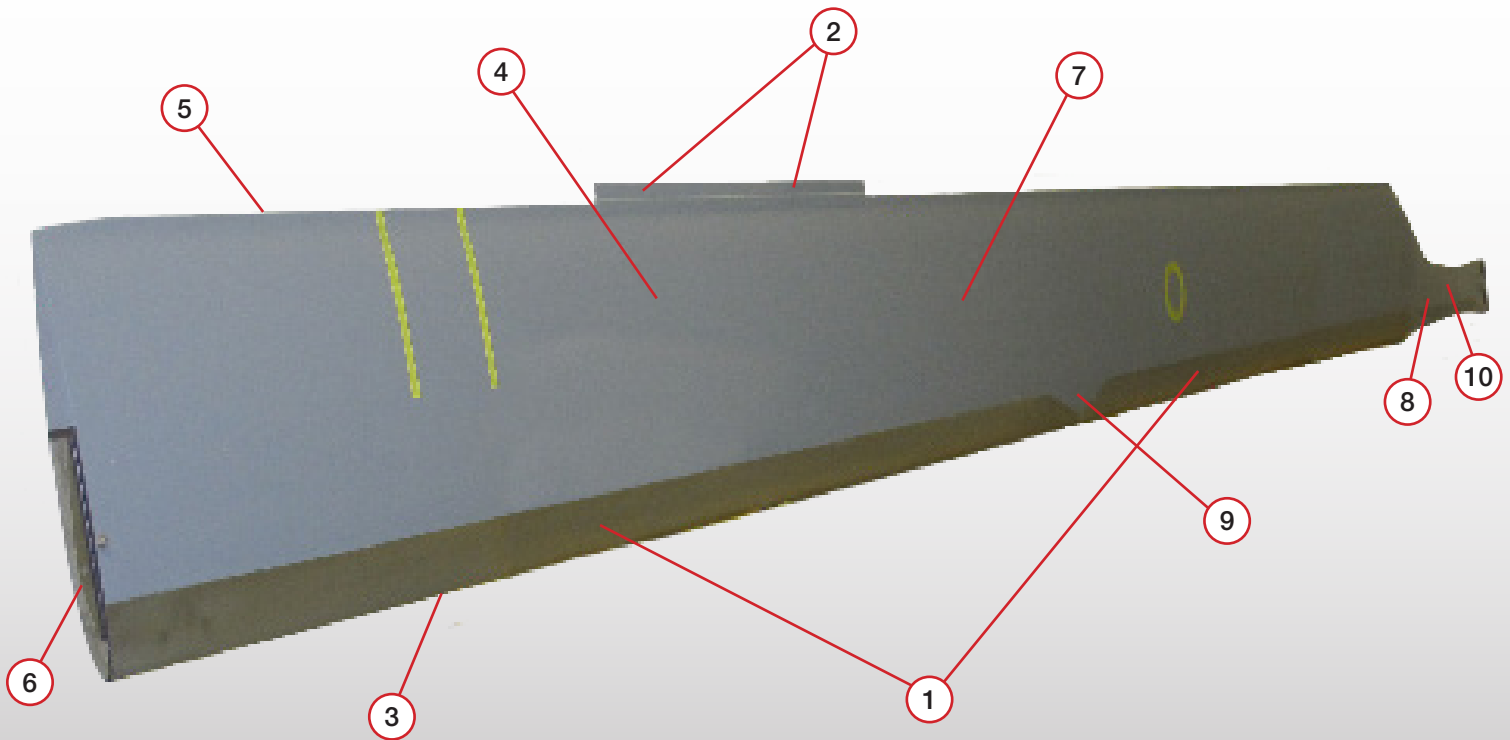


350 A 31-1917.01 / 1918.00

Star flex

Repairs available:

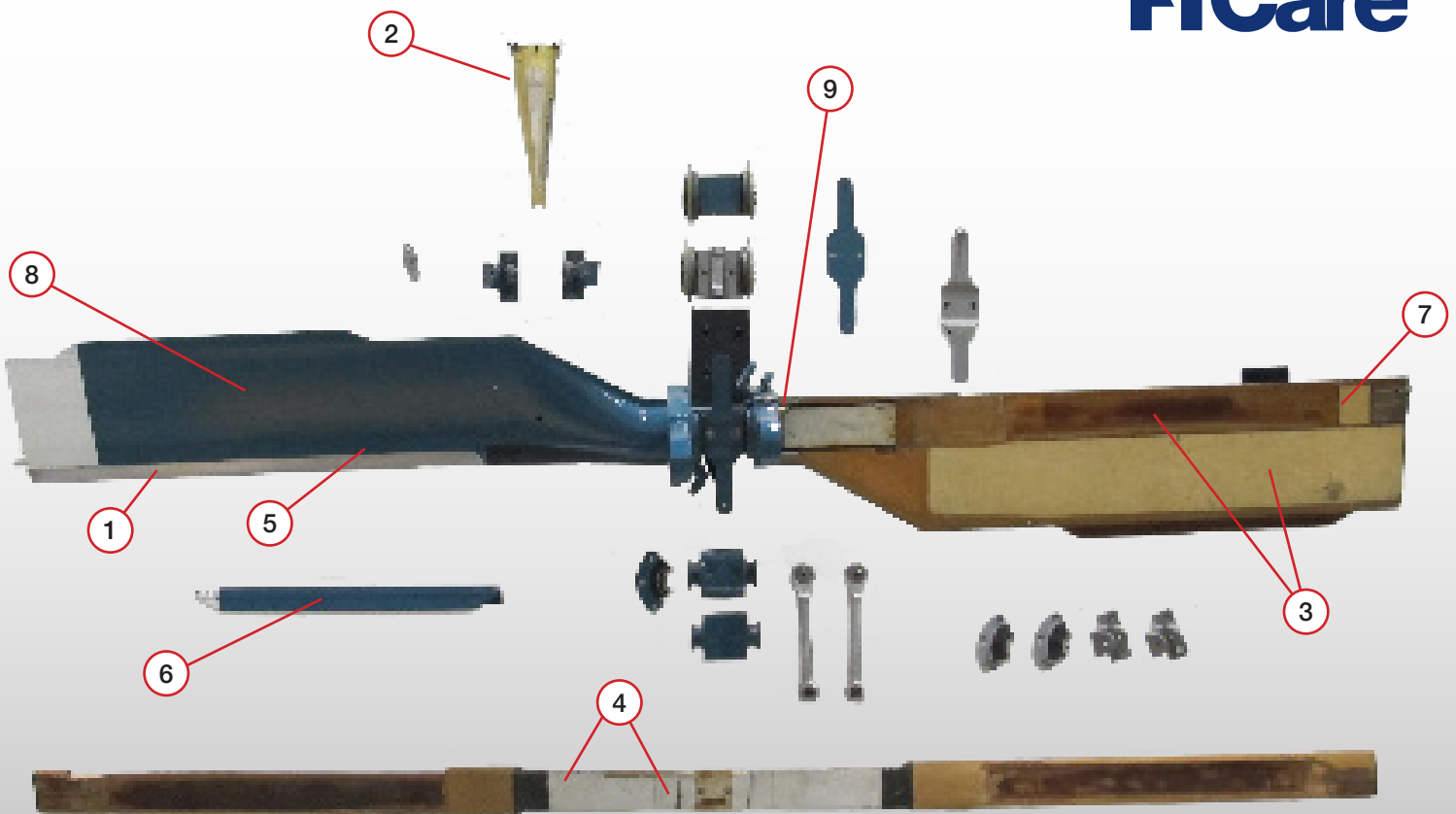
1. Third level BOV refinish capable
2. Arm end bushing replacement



**350
Main Rotor Blade**

Repairs available:

1. Stainless steel leading edge replacement
2. Trim tab repair and replacement
3. Lower surface polyurethane replacement
4. Skin patching and core replacement
5. Anti-collision paint
6. Static balance adjustment
7. Complete paint re-finishing
8. Electrical bonding jumper repair and replacement
9. Upper and lower polyurethane wedge replacement
10. Poly root tape replacement



Tail Rotor Blade

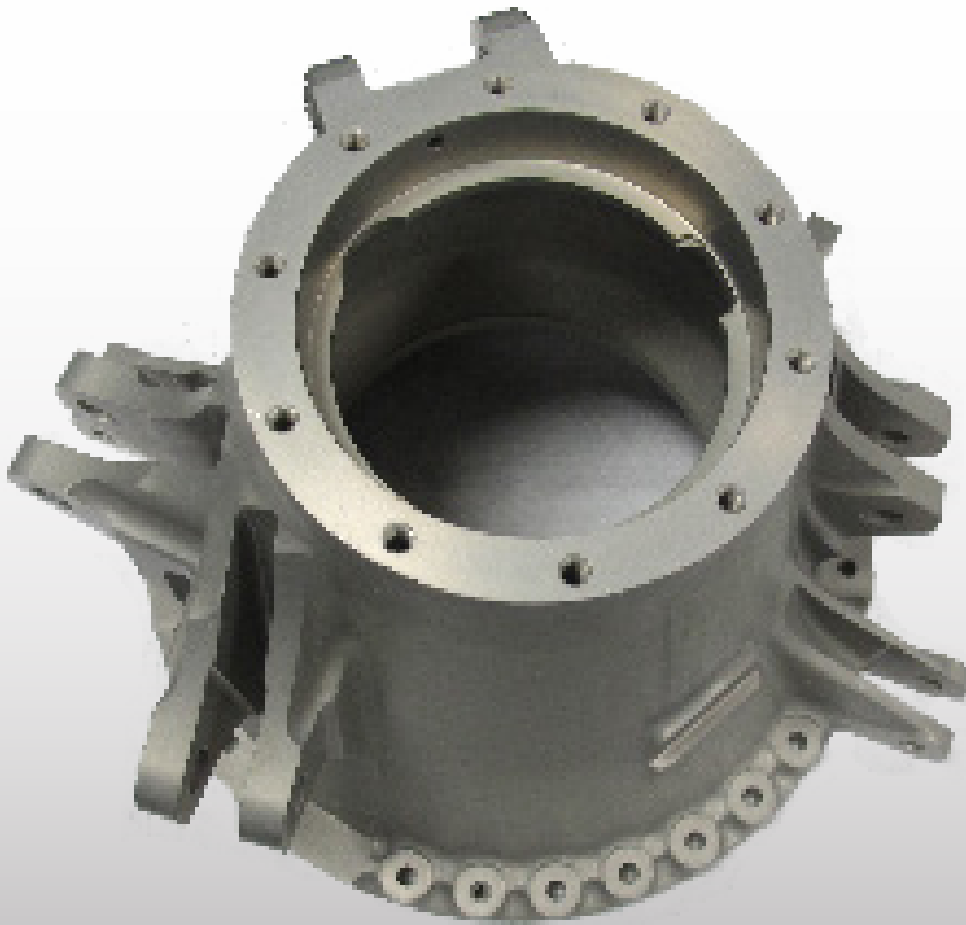
Repairs available:

1. Stainless steel leading edge replacement
2. Electrical bond foil replacement
3. Skin injection and repair
4. Spar "AD" inspections
5. Lower surface polyurethane replacement
6. Trim tab replacement/modification based on part number
7. Static balance modification
8. Complete paint re finishing
9. After incident inspection



Dynamic Components Repair

H120 / EC120 B



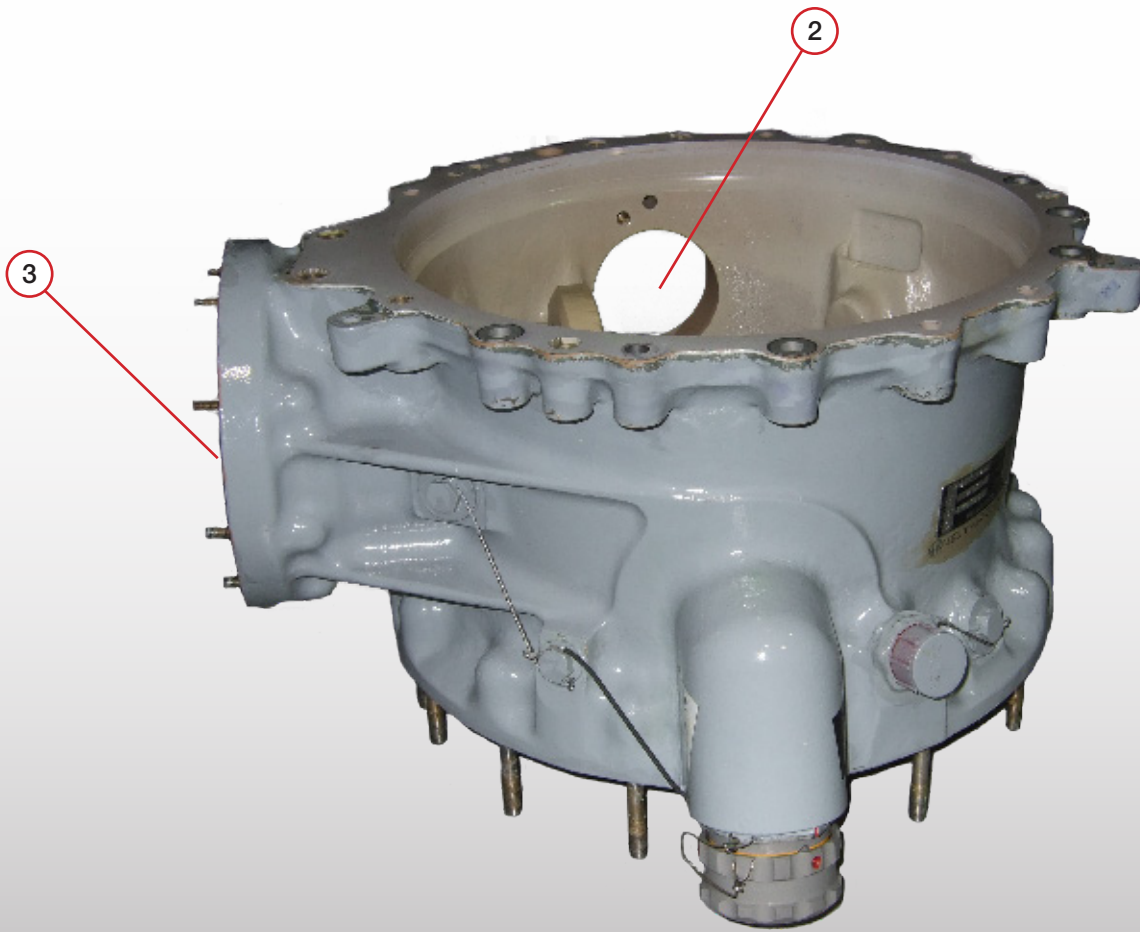
After

C632 A 1111 101/1113 101

Taper casing

Repairs available:

1. Machining + bushing dia 16mm bore on 4 yokes
2. Milling to remove the bushes dia 16mm bore
3. Machining + bushing dia 12mm bore on 3 yokes
4. Milling to remove the bushes dia 12mm bore

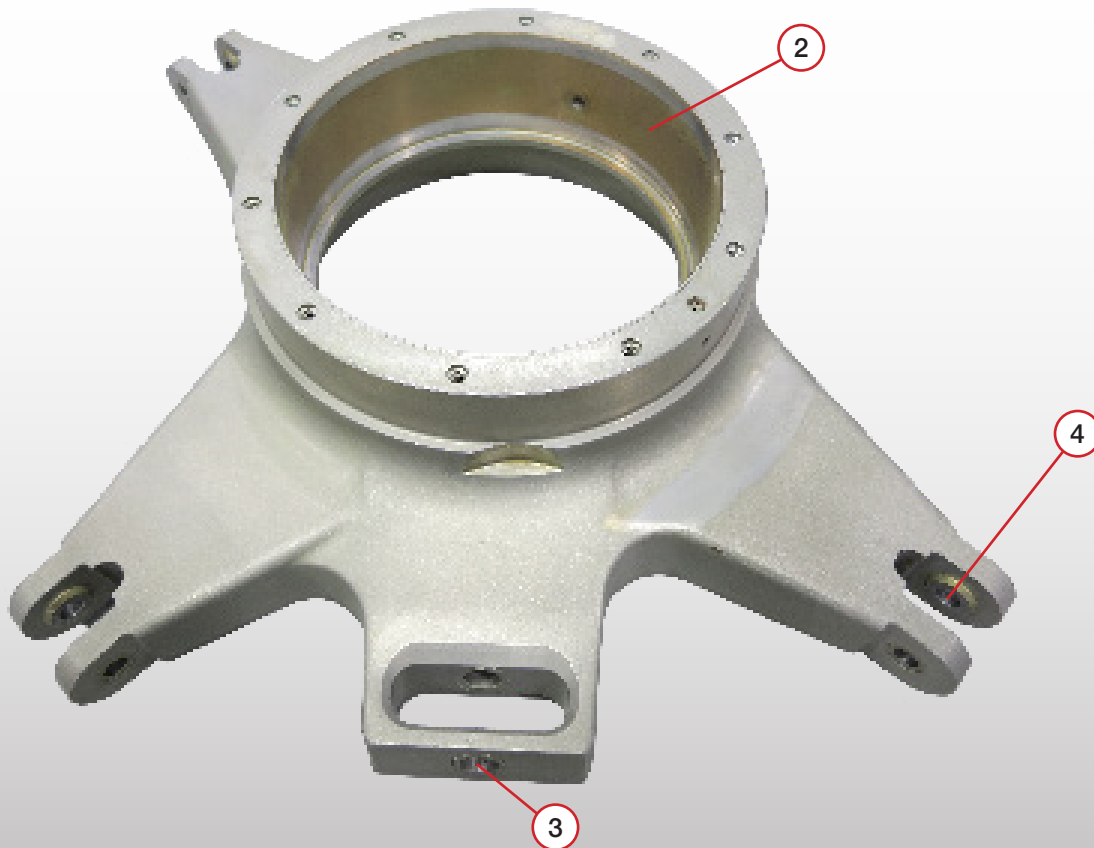


C632 A 2116 101/102

Main housing

Repairs available:

1. Bushing dia 12mm holes fixation
2. Repair dia 70mm bore
3. Repair dia 72mm for ventilation

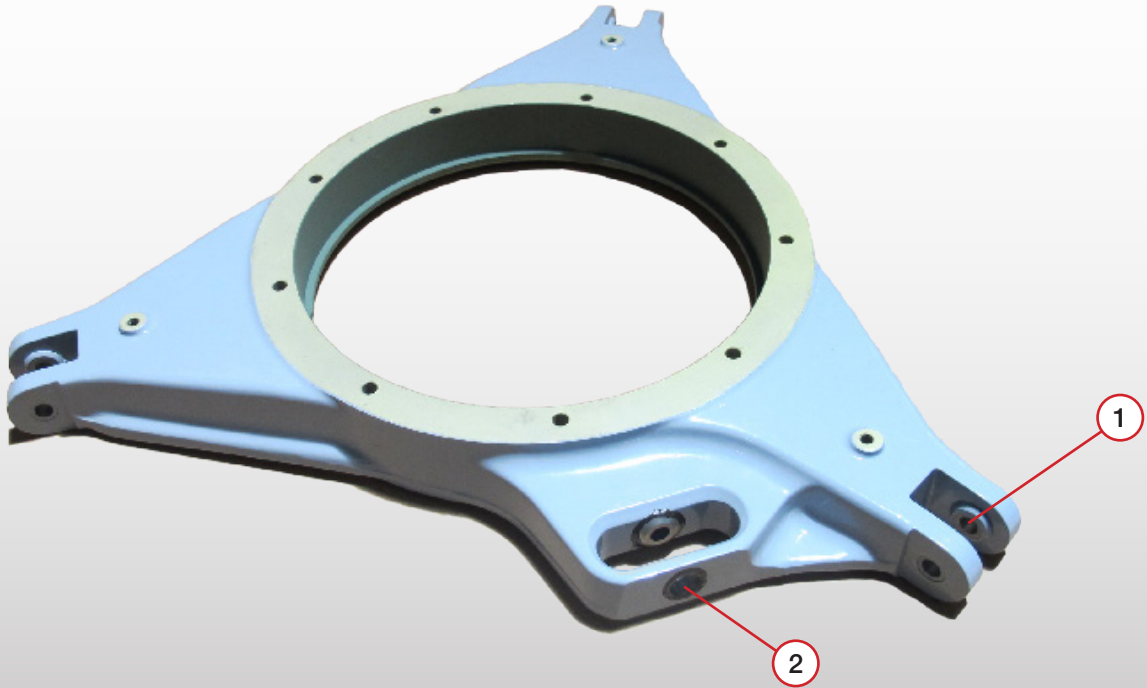


C623 A 1001 102/103/104 –

Non rotating star

Repairs available:

1. Milling 4 notches, retrofit .102 into .103
2. Bushing dia 160mm main bore
3. Bushing dia 15mm on arms
4. Bushing dia 12mm and dia 16mm axial bores
5. Bonding stirrups

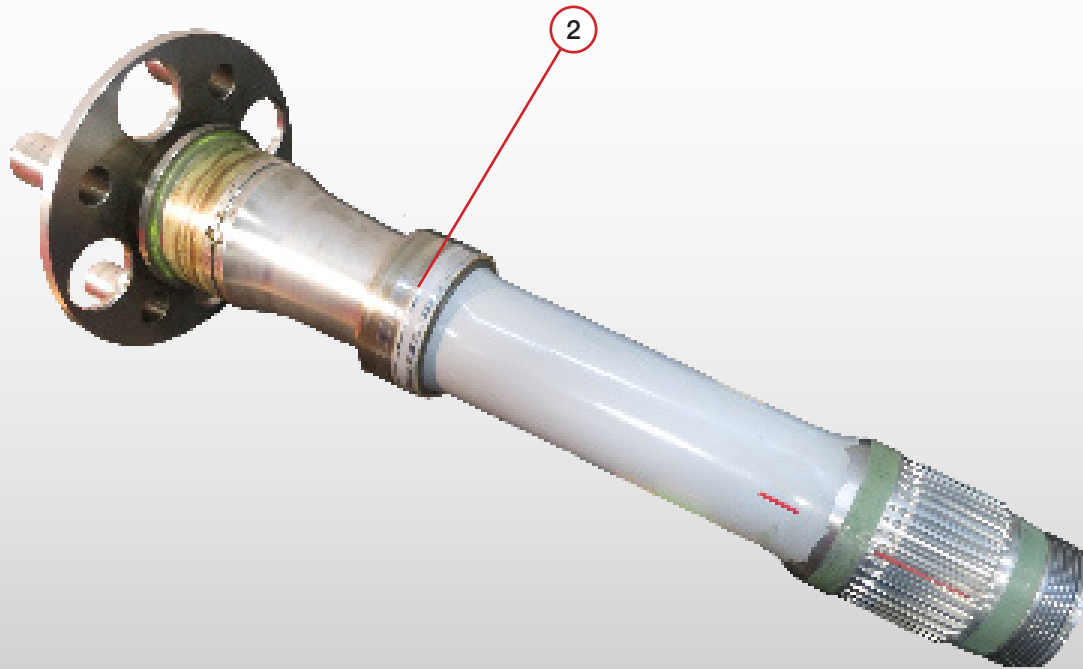


C623 A 1002 103

Rotating star

Repairs available:

1. Bushing dia 12mm bores on arms
2. Bushing dia 12mm and 16mm axial bores

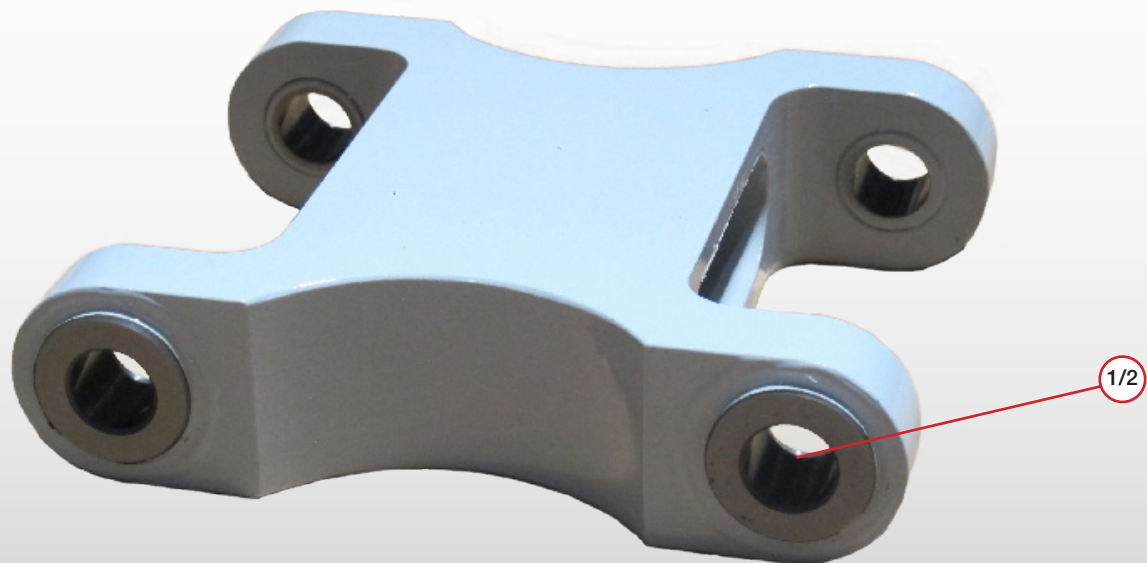


C632 A 1110 102

Rotor shaft carrier planet gear

Repairs available:

1. Machining shaft and touch-up
2. Replacement of ferrule (bearing sleeve)

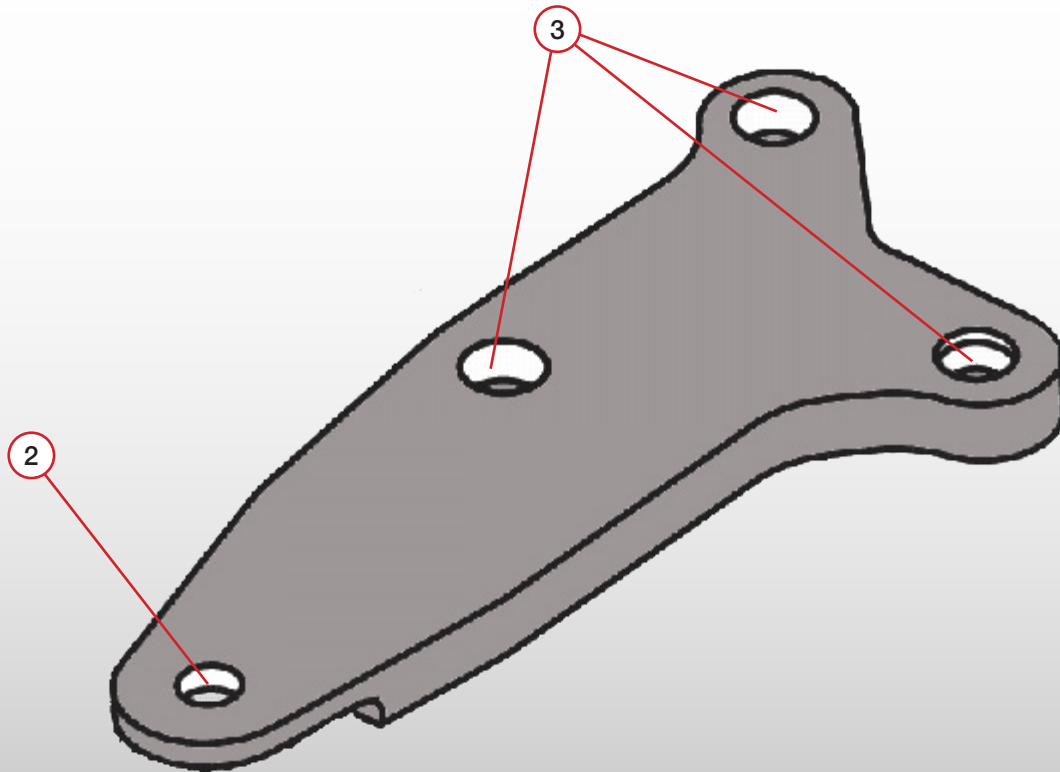


C623 A 2005

Scissors H link

Repairs available:

1. Bushing dia 18mm bore by press fitting
2. Bushing dia 18mm bore by bonding

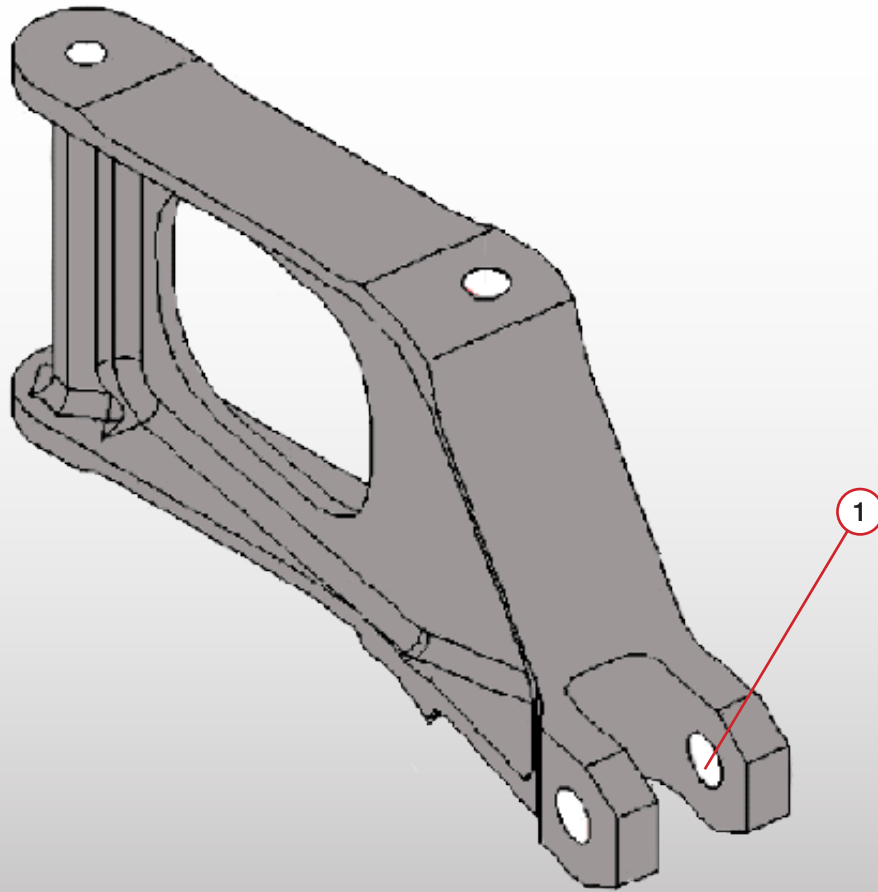


C622 A 1007

Adaptor fitting upper

Repairs available:

1. Replacement of bushings
2. Bushing dia 11mm bore
3. Bushing dia 15mm bore
4. Reaming and surfacing the bushes

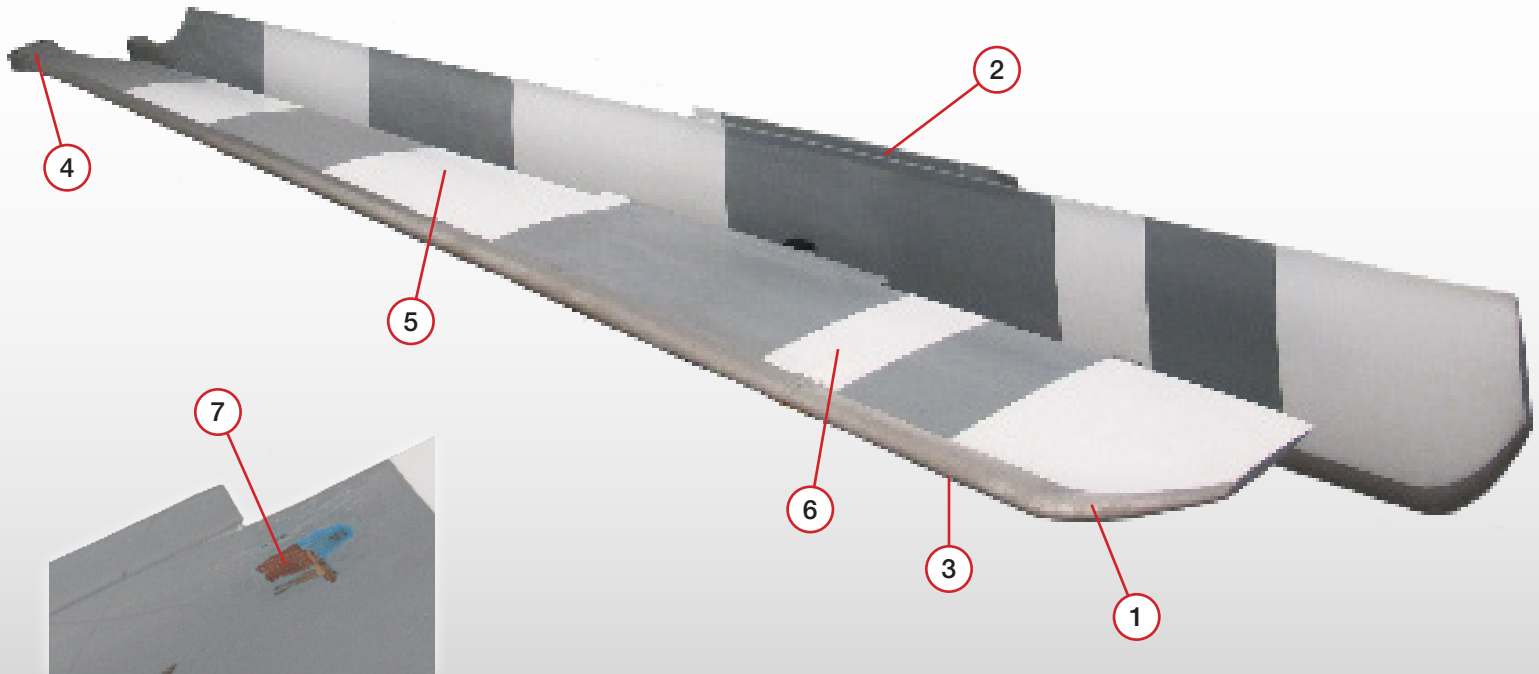


C622 A 2002

Pitch lever

Repairs available:

1. Replacement bushes and stop bushes dia 12mm



H120 Main Rotor Blade Repair

Repairs available:

1. Stainless steel leading edge replacement
2. Trim tab repair and replacement
3. Lower surface polyurethane repair and replacement
4. Attachment bushing tension check and deflection following an incident
5. Anti-collision paint
6. Static balance adjustment
7. Skin patching and repairs
8. Complete paint re-finishing

Appendix

Appendix: TCCA Certification



Transport
Canada

Transports
Canada

Certificate of Approval

This is to certify that

AIRBUS HELICOPTERS CANADA LIMITED

of

Fort Erie, ON

Approved Maintenance Organization

13-85

is approved pursuant to CAR 573.02 for the maintenance of aeronautical products, and holds ratings in the following categories

**Aircraft
Avionics
Components
NDT
Structures**

The scope of privileges applicable to each category is limited to that specified in the respective rating documents that accompany this certificate, and is conditional upon compliance with the approved procedures and limitations specified in the organization's maintenance policy manual.



Signed:

James M. Rolland
James M. Rolland
For the Minister of Transport

Dated: 2014-01-31


Supersedes certificate dated: 2003-03-04

This Certificate is not transferable. The approval is valid until superseded, suspended or canceled.

Canada

28-0781 (1003-01)


Appendix: TCCA Certification

	Transport Canada	Transports Canada
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Approved Maintenance Organization Ratings
– Aircraft Category –
AIRBUS HELICOPTERS CANADA LIMITED
Approved Maintenance Organization 13-85

is authorized to perform maintenance, other than specialized maintenance, on aircraft of the types listed below, within the scope of work shown and subject to any further limitations specified in the maintenance policy manual.


Rating	Scope of work	Effective Date
Bolkow (MBB) BK 117 series helicopters	All non-specialized work	1999-09-20
Bolkow (MBB) BO 105 series helicopters	All non-specialized work	1999-09-20
Eurocopter (Aerospatiale) AS 350 Astar series helicopters	All non-specialized work	1999-09-20
Eurocopter (Aerospatiale) AS 355 Twinstar series helicopters	All non-specialized work	2003-03-04
Eurocopter EC 120 B series helicopters	All non-specialized work	1999-09-20
Eurocopter EC 130 series helicopters	All non-specialized work	2003-03-04
Eurocopter EC 135 series helicopters	All non-specialized work	2007-06-15
Eurocopter EC 155 series helicopters	All non-specialized work	2003-03-04

Issued: 2014-01-31 Signed:  Supersedes certificate dated: 2007-06-15

James M. Belland
For the Director of Transport

 28-0761 (1003-01)


Appendix: TCCA Certification


	Transport Canada	Transports Canada
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Approved Maintenance Organization Ratings
– Avionics Category –
AIRBUS HELICOPTERS CANADA LIMITED
Approved Maintenance Organization 13-85




is authorized to perform maintenance, on avionics systems and equipment of the kinds listed below, within the scope of work shown and subject to any further limitations specified in the maintenance policy manual.

Rating	Scope of work	Effective Date
Autoflight systems	As specified in company manual	2003-03-04
Radio systems	As specified in company manual	2003-03-04


Issued: 2014-01-31 Signed:  Supersedes certificate dated: 2003-03-04
James M. Rolland
For the Minister of Transport

 26-0761 (1003-01)

Appendix: TCCA Certification

	Transport Canada	Transports Canada
Approved Maintenance Organization Ratings – Structure Category – <i>AIRBUS HELICOPTERS CANADA LIMITED</i> Approved Maintenance Organization 13-85		
<p>is authorized to perform maintenance, other than specialized welding or non-destructive testing, on the kinds of structures listed below, within the scope of work shown and subject to any further limitations specified in the maintenance policy manual.</p>		
Rating	Scope of work	Effective Date
Composite Structures	As specified in company manual	1999-09-20
Sheet Metal Structures	As specified in company manual	1999-09-20
<p>Issued: <u>2014-01-31</u> Signed:  <u>James M. Belland</u> For the Minister of Transport</p> <p>Supersedes certificate dated: <u>1999-09-20</u></p>		
		28-0761 (1003-01)


Appendix: TCCA Certification

	Transport Canada	Transports Canada
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Approved Maintenance Organization Ratings
– Component Category –
AIRBUS HELICOPTERS CANADA LIMITED
Approved Maintenance Organization 13-85

is authorized to perform maintenance, other than specialized welding or non-destructive testing, on the kinds of components listed below, within the scope of work shown and subject to any further limitations specified in the maintenance policy manual.


Rating	Scope of work	Effective Date
Dynamic components	As specified in company manual	2003-03-04
Rotor blades	As specified in company manual	2003-03-04

Issued: 2014-01-31 Signed: 
James M. Rolland
For the Minister of Transport

Supersedes certificate dated: 2003-03-04

 28-0761 (1003-01)


Appendix: TCCA Certification


	Transport Canada	Transports Canada
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Approved Maintenance Organization Ratings
– NDI Category –
AIRBUS HELICOPTERS CANADA LIMITED
Approved Maintenance Organization 13-85

is authorized to inspect aeronautical products, using the Non Destructive Testing techniques listed below, within the scope of work shown and subject to any further limitations specified in the maintenance policy manual.

Rating	Scope of work	Effective Date
Eddy current inspection	As specified in company manual	2008-12-13
Liquid penetrant inspection	As specified in company manual	1999-09-20
Magnetic particle inspection	As specified in company manual	1999-09-20
Ultrasonic inspection	As specified in company manual	2004-07-20

Issued: 2014-01-31 Signed:  Supersedes certificate dated: 2006-12-13
James M. Holland
For the Minister of Transport

 28-0761 (1003-01)

Appendix: EASA.145.7085 Certification



European Aviation Safety Agency

APPROVAL CERTIFICATE

REFERENCE EASA.145.7085

Taking into account the provisions of Article 9(2) of Regulation (EC) N° 1592/2002 of the European Parliament and of the Council and the Technical Arrangements for maintenance currently in force between the European Aviation Safety Agency and TCCA, the European Aviation Safety Agency (EASA) hereby certifies :

EUROCOPTER CANADA LIMITED

TCCA Aircraft Maintenance Organisation Number: TCA AMO 13-85

P O Box 250, 1100 Gilmore Road
Fort Erie, Ontario
Canada, L2A 5M9

as a Part-145 maintenance organisation approved to maintain the products listed in the TCCA Approval Certificate and associated Category Limitations Document and to issue related certificates of release to service using the above reference, subject to the following conditions:

1. The scope of the approval is limited to that specified on the TCCA Approval Certificate, and the associated category limitations documents for work carried out in Canada. (Unless otherwise agreed in a particular case by EASA).
2. This approval requires continued compliance with CAR 573 and the differences as specified in the Technical arrangements for maintenance, including the use of the TCCA Form 24-0078 for release/return to service of components up to and including powerplants.
3. Certificates of return to service must quote the EASA Part 145 approval reference number quoted above and the TCCA AMO number.
4. Subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration until the approval is surrendered, superseded, suspended or revoked.

Date of issue: 17th November 2004

Signed

For EASA

Appendix: CAAS Technical Arrangement



Your Reference: 5015-7580

Our Reference: AW/BAA/CAA.CAN

Date: 14 March 2016

Tel: (65) 6422 7032
Fax: (65) 6545 6519

Mr. Raymond J.A. Perreault
Head of Quality
Airbus Helicopters Canada Limited
1100 Gilmore Road, P.O. Box 250
Fort Erie, Ontario
Canada, L2A 5M9

Dear Sir,

LETTER OF ACCEPTANCE UNDER THE TERMS OF THE TECHNICAL ARRANGEMENT ON AVIATION MAINTENANCE BETWEEN THE TRANSPORT CANADA CIVIL AVIATION AND THE CIVIL AVIATION AUTHORITY OF SINGAPORE

This letter serves as confirmation that **Airbus Helicopters Canada Limited** (Transport Canada AMO approval No. 13-85) is qualified, under the terms of the Technical Arrangement on Aviation Maintenance between the Transport Canada Civil Aviation (TCCA) and the Civil Aviation Authority of Singapore (CAAS), to perform maintenance on Singapore aeronautical products.

2. In keeping with the requirements of the Technical Arrangement, any maintenance performed on Singapore aircraft or aircraft components intended for fitment on a Singapore aircraft shall be performed in accordance with the ratings and limitations established by the Transport Canada Civil Aviation and the requirements set forth in the Technical Arrangement.

3. Please contact Transport Canada if you have any questions regarding this letter on the Technical Arrangement.

Yours faithfully,

CHAI KWAN KUA
MANAGER (CONTINUING AIRWORTHINESS)
CIVIL AVIATION AUTHORITY OF SINGAPORE

cc:

Mr. Ian Sturgeon
Civil Aviation Safety Inspector
Operational Airworthiness (AARTM)
Standards
Transport Canada
330 Sparks Street, Tower C
Ottawa, Ontario K1A 0N5
Canada

Civil Aviation Authority of Singapore
Singapore Changi Airport, PO Box 1, Singapore 918141 T (65) 6542 1122 F (65) 6542 1231 www.caas.gov.sg

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