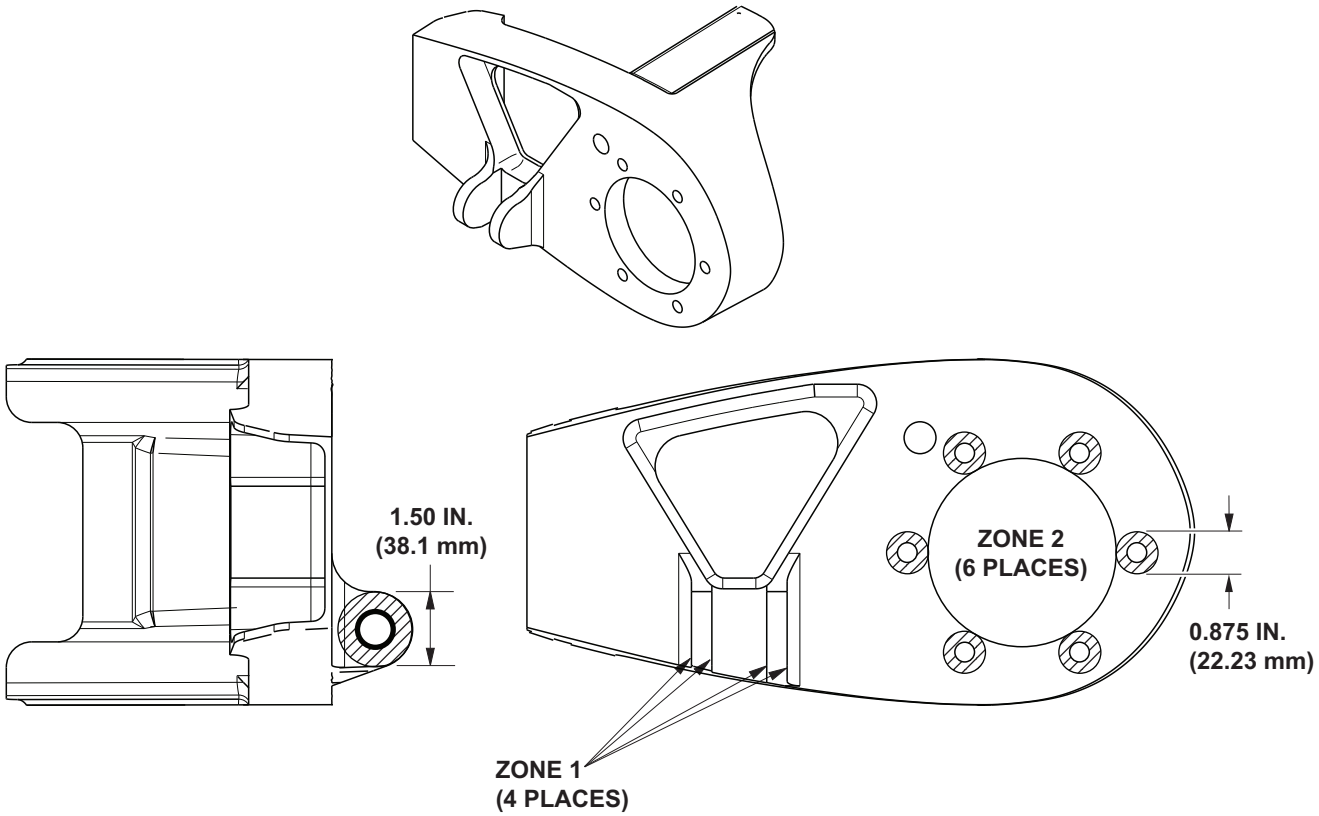

SUPPORT FITTING (212-030-103-001/-007)
MATERIAL: ALUMINUM ALLOY

NO.	CHARACTERISTIC	INSPECTION METHOD	LIMIT
	ZONE 1		
1.	Corrosion on one lug face	Measure	For a corrosion depth of <=0.020 inch (0.51 mm), remove twice the depth of the corrosion. Do not remove more than 0.040 inch (1.02 mm) from the cross-hatched area.
2.	Corrosion of both lug faces	Measure	For a combined corrosion depth of <=0.020 inch (0.51 mm), remove twice the depth of the corrosion (the sum of the removed material on both sides of the cross-hatched area must not exceed 0.040 inch (1.02 mm).
3.	Corrosion damage to outer edge of the lug	Measure	For a corrosion depth of <=0.020 inch (0.51 mm), remove twice the depth of the corrosion. Do not remove more than 0.040 inch (1.02 mm) from the outer edge of the lug.
4.	Corrosion damage to the lug hole (not the bushing hole)	Measure	For a corrosion depth of <=0.010 inch (0.25 mm), uniformly remove twice the depth of the corrosion around the periphery of the hole. Do not remove more than 0.020 inch (0.51 mm) from any part of the lug hole surface. Maintain original lug hole centerline. Rebush hole.

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Figure 53-10. Tail Rotor Gearbox Support Fitting — Damage and Corrosion Limits (Sheet 1 of 2)

NO.	CHARACTERISTIC	INSPECTION METHOD	LIMIT
5.	Corrosion damage to the bushing hole	Measure	Not allowed. Replace bushing.
6.	Mechanical damage on one lug face	Measure	For a mechanical damage of <=0.040 inch (1.02 mm), remove the depth of the damage. Do not remove more than 0.040 inch (1.02 mm) from the cross-hatched area.
7.	Mechanical damage on both lug faces	Measure	For a combined mechanical damage of <= 0.040 inch (1.02 mm), remove the depth of the damage (the sum of the removed material on both sides of the lug must not exceed 0.040 inch (1.02 mm).
8.	Mechanical damage to outer edge of the lug	Measure	For a mechanical damage depth of <=0.020 inch (0.51 mm), remove the depth of the damage. Do not remove more than 0.020 inch (0.51 mm) from the edge of the lug.
9.	Mechanical damage to the lug hole (not the bushing hole)	Measure	For a damage depth of <=0.020 inch (0.51 mm), uniformly remove the depth of the damage around the periphery of the hole. Do not remove more than 0.020 inch (0.51 mm) from any part of the lug. Maintain original lug hole centerline. Rebush hole.
10.	Mechanical damage to the bushing hole		Not allowed. Replace bushing.
	ZONE 2		
1.	Corrosion on one spot face	Measure	For a corrosion depth of <=0.020 inch (0.51 mm), remove twice the depth of the corrosion. Do not remove more than 0.040 inch (1.02 mm) from the cross-hatched area.
2.	Corrosion damage to the lug hole (not the bushing hole)	Measure	For a corrosion depth of <=0.010 inch (0.25 mm), uniformly remove twice the depth of the corrosion around the periphery of the hole. Do not remove more than 0.020 inch (0.51 mm) from any part of the lug hole. Maintain original lug hole centerline. Rebush hole.
3.	Corrosion damage to the bushing hole	Measure	Not allowed. Replace bushing.
4.	Mechanical damage on one spot face	Measure	For a mechanical damage of <=0.040 inch (1.02 mm), remove the depth of the damage. Do not remove more than 0.040 inch (1.02 mm) from the cross-hatched area.
5.	Mechanical damage to the lug hole (not the bushing hole)	Measure	For a mechanical damage depth of <=0.020 inch (0.51 mm), uniformly remove the depth of the damage around the periphery of the hole. Do not remove more than 0.020 inch (0.51 mm) from any part of the lug hole surface. Maintain original lug hole centerline. Rebush hole.
6.	Mechanical damage to the bushing hole		Not allowed. Replace bushing.

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Figure 53-10. Tail Rotor Gearbox Support Fitting — Damage and Corrosion Limits (Sheet 2 of 2)