service bulletin

TO: SERVICE MANAGER ☐ MECHANICS ☐
PARTS MANAGER ☐

No. 91-21

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A. DRIVE UNIT GEAR RATIO IDENTIFICATION

Models

Alpha One/Alpha One Generation II/Bravo One/Bravo Two

Identification

All drive unit gear ratios are identified on each drive unit in two places. The first place to look is on the decal on the port side of the drive shaft housing. It will have a number such as (1.50R) and then the serial number. The second place to look will be on the universal joint splined yoke. It will be identified with a letter such as (F). This method is explained in the following chart.

ALPHA	BRAVO ONE	BRAVO TWO
B = 1.98:1	C = 1.65:1	C = 2.20:1
C = 1.65:1	F = 1.50:1	F = 2.00:1
D = 1.84:1	H = 1.36:1	H = 1.81:1
F = 1.50:1		
H = 1.32:1		
K = 2.40:1 Alpha One Gen II		
M = 1.50:1 MAGNUM		

This will only be true for new or untampered with drive units. A drive unit could have had the gear ratio changed for high altitude, which would void out any application of the above chart. The gear ratio then would have to be determined by counting the teeth on the drive gear and the driven gear in the drive shaft housing and using the following chart for reference.

ALPHA

Ratio	Drive	Driven
2.40:1	20	24
	(With the lower gear housing gears changed to 14-28 from 17-28)	
1.98:1	20	24
1.84:1	17	19
1.65:1	24	24
1.50:1	20	22
1.32:1	16	20

BRAVO ONE

Ratio	Drive	Driven
1.65:1	23	30
1.50:1	27	32
1.36:1	27	29

BRAVO TWO

Ratio	Drive	Driven
2.20:1	23	30
2.00:1	27	32
1.81:1	27	29

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