



National
Defence

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C-30-129-000/MA-000

DATA SUMMARY

TRUCK, UTILITY, LIGHT, 4×4, MILITARY DESIGN, ILTIS CANADIAN, BASIC W/CABLE LAYING KIT

NSN 2320-21-895-3770, ECC 121508

(BILINGUAL)

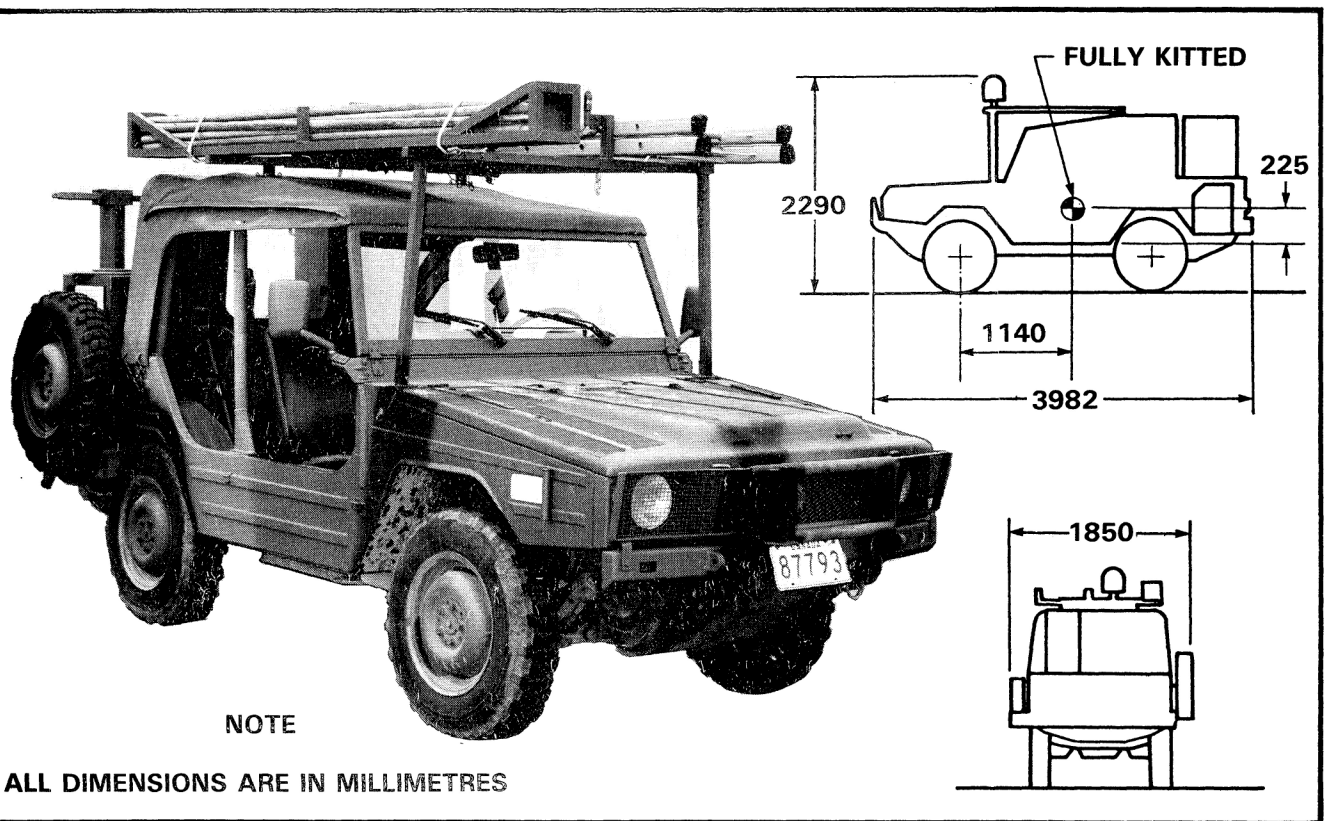
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1986-12-04



General View of Equipment

Canada

INTRODUCTION

Contract Demands	3613030 and W8476-6-BRA5
Equipment Configuration Code	121508
Stock Number	2320-21-895-3770
Quantity Purchased	91
Manufacturer	Bombardier Inc.
Model	Ittis Canadian
Year	1985-86

TECHNICAL SPECIFICATIONS**PERFORMANCE**

Turning Radius (wall to wall)	5.5 m
Angle of Approach	39°
Angle of Departure	31°
Ramp Breakover Angle	44°
Ground Clearance	250 mm
Fording Depth	600 mm
Maximum Speed	130 km/h
Cruising Range	500 km
Fuel Consumption (average)	16.4 l/100 km
Gradeability (maximum — with full highway payload)	60 percent

WEIGHTS AND DIMENSIONS**WEIGHTS**

Gross Weight Distribution	
— Front axle	850 kg
— Rear axle	1 050 kg
— Total	1 900 kg
Permissible Front Axle Weight (GAWR-front)	1 000 kg
Permissible Rear Axle Weight (GAWR-rear)	1 250 kg
Permissible Total Vehicle Weight (GVWR)	2 050 kg
Permissible Total Unbraked Trailer Weight	750 kg

DIMENSIONS

Length (overall)	3 982 mm
Width (overall)	1 850 mm
Height (w/beacon installed)	2 290 mm
Height Reducible To	1 370 mm
Wheelbase	2 017 mm
Track width — Front	1 230 mm
— Rear	1 260 mm

ENGINE

Manufacturer	Volkswagen
Type	4 Cylinder, liquid cooled
Model Number	VW 049 YX
Displacement	1.7 L
Bore	79.5 mm

Stroke	86.4 mm
Compression Ratio	8.2:1
Firing Order	1-3-4-2
Fuel	Gasoline RON 85 min.
Power	55 kW @ 5,000 rpm
Torque	135 N.m @ 2,800 rpm
Idle Speed	950 ± 50 rpm
Governed Speed	6 350 ± 190 rpm
Air Cleaner — Make and model	FARR MC164213
Oil Filter — Make and model	FRAM PH-2870-A
Crankcase Capacity — Without filter	4.0 L
— With filter	4.5 L
Clutch — Make	VW
— Type	dry single plate
Cooling System — Capacity	7.5 L
— Thermostat rating	85°C-105°C
— Fan quantity and type	2 electrical

TRANSMISSION

Make and Model	VW 005
Type	5-speed manual with integrated differential
Lubricant Capacity	3.6 L
Ratios (transmission)	R 7.318/3.909/2.278/ 1.458/1.086/XC 7.603
Ratio (differential)	5.286
Differential Operation	Manual disengagement

REAR DIFFERENTIAL

Make and Model	VW 005.B
Type	Hypoid
Lubricant Capacity	1.6 L
Ratio	5.286
Operation	Manual lock

SUSPENSION

Springs	— Make	LUHN
	— Type	Transverse parabolic
	— Number of leaves	4
	— Rate	79 N/mm
Shock Absorbers	— Make	BOGE GMBH
	— Type	Double acting telescopic

BRAKES

Service Brakes	— Make		ATE
	— Type		drum
	— Actuation		Hydraulic with vacuum power unit
Parking Brakes	— Make		QUADCO
	— Type		mechanical acting on rear wheels

WHEELS

Rims — Make	SUDRAD
— Type	one piece steel
— Size	5.50 F 16
Tires — Make	Michelin
— Size	6.50 R 16
— Ply rating	10
— Inflation Pressure (front/rear)	2.3/3.0 bar
— Tread	all terrain differential

FUEL SYSTEM

Fuel Tank — Capacity	82 L
— Special feature	explosion suppressed
Fuel Pump Type	electrical
Fuel Filter Type	in-line

ELECTRICAL SYSTEM

Batteries — Make and model	VARTA 330069
— Quantity	2
— BCI classification	41
— Reserve capacity	75 min
— Cold cranking capacity at - 17.8°C	450 A
— Nominal voltage	2 × 12 V = 24 V
Alternator — Make and model	Leece Neville 7518 J
— Output voltage	28 V
— Output current	60 A
Starter — Make and model	BOSCH 0-001-316-001

STEERING

Make	VW
Type	Rack and pinion
Ratio	19.44

FRAME

Type	Ladder
Number of Cross Members	4

PINTLE HOOK

Make and Model	Holland Hitch
	PHT-60-AOL-8
Height Above Ground (unladen)	508 mm

SEAT BELTS

Make	DAHL
Quantity — Front	2 lap and shoulder

APPLICABLE PUBLICATIONS**CFTO No.**

C-30-108-000/DU-000	Lubrication Order
C-30-108-000/MB-000	Operator's Manual
C-30-108-000/MN-000	Maintenance Manual
C-30-108-000/MX-000	Parts Manual
C-30-129-000/MB-001	Operator's Manual, Cable Layer
C-30-129-000/ME-001	Installation Instruction, Cable Layer

