

ALL TERRAIN VEHICLE, KAWASAKI MULE, JAVELIN TRANSPORT

DATA SUMMARY

This instruction is authorised for use by command of the Chief of Army. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to carry out any action required by this instruction in accordance with EMEI General A 001.



Figure 1 All Terrain Vehicle (ATV) Kawasaki Mule, Javelin Transport

General

1. This EMEI lists basic data for the All Terrain Vehicle (ATV), Kawasaki Mule, Javelin Transport as shown in Figure 1.
2. **Role.** The role of the equipment is to transport the 1st line Javelin missile, Direct Fire Support Weapon (DFSW) and its operating team, alongside dismounted infantry troops. The ATV also has capability for carriage of a single stretcher for casualty evacuation.
3. **Description.** The standard Kawasaki mule is equipped with a 950 cc fuel injected diesel engine, selectable four wheel drive, and differential lock. It is also fitted with a 2500 lb winch. The standard rear tray has been replaced by a customised box designed to enable safe carriage of the Javelin missiles.

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Detail

4. Engine:

- a. Displacement 953 cc
- b. Type diesel, 3 cylinder, four stroke
- c. Lubrication wet sump
- d. Oil Capacity 3.3 L
- e. Injection Kawasaki Electronic
- f. Fuel Capacity 20 L
- g. Starting System electric
- h. Alternator 40 A

5. Cooling:

- a. Cooling liquid cooled
- b. Capacity 4.1 L

6. Drive Train:

- a. Transmission:
 - (1) Type Kawasaki, Continuous Variable Transmission (CVT)
 - (2) Oil Capacity 2.5 L
 - (3) Gear Range high/low, reverse
- b. Front Wheel Drive:
 - (1) Type shift lever, engage on demand, true four wheel shaft drive
 - (2) Differential limited slip
 - (3) Differential Oil Capacity 0.4 L
- c. Rear Wheel Drive lockable transaxle

7. Suspension:

- a. Front Suspension Type MacPherson Strut
- b. Front Suspension Travel 100 mm
- c. Rear Suspension Type leaf spring, De Dion axle
- d. Rear Suspension Travel 70 mm

8. Brakes:

- a. Front hydraulic drum
- b. Rear hydraulic drum
- c. Park cable, rear wheels

9. Tyres:

- a. Type 23 x 11.00-10, tubeless
- b. Pressure
 - (1) Front 69 kPa (10 psi)
 - (2) Rear 167 kPa (24 psi)

10. Steering:

- a. Type electric power assist

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11. Dimension/Weights:

- a. Wheel Base 1870 mm
- b. Turning Circle, Wall to Wall..... 7900 mm
- c. Length 3450 mm
- d. Width..... 1550 mm
- e. Height..... 1930 mm
- f. Kerb Mass 950 kg
- g. Front Track..... 1160 mm
- h. Rear Track..... 1180 mm

12. Capacities:

- a. Total Load (Including personnel and Javelin)..... 480 kg
- b. Hitch Towing 545 kg
- c. Hitch Tongue..... 50 kg

13. Electrical:

- a. System Voltage 12 V dc, negative earth
- b. Brake / tail lights 21/5 W
- c. Headlights 30 W
- d. DC outlet..... 12 V front receptacle

14. Winch:

- a. Winch 1134 kg (2500 lb) Superwinch electric
- b. Winch Cable..... 15 m (50 ft) by 4.75 mm (3/16 in) diameter

15. Manufacturer's Details:

- a. Manufacturer of base vehicle:
Kawasaki Motors Corp
PO Box 25252
SANTA ANA CA 92794-5252
- b. Australian Distributor / Modifier:
Aitken Motorcycles
397 Newbridge Road
MOOREBANK NSW 2170

16. Point of Contact:

National Fleet Manager Light B Vehicles
CGSVSPO, DMO
Defence Plaza Melbourne
661 Bourke St
MELBOURNE VIC 3000

17. Associated Information:

- a. NSN..... 2320-66-156-8183

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END

Distribution List: **VEH B 04.1 – Code 1** (Maint Code)
(Sponsor: LV SPO, Light B Vehicles)