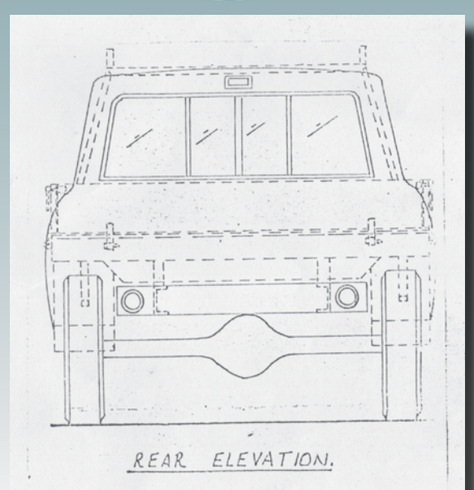
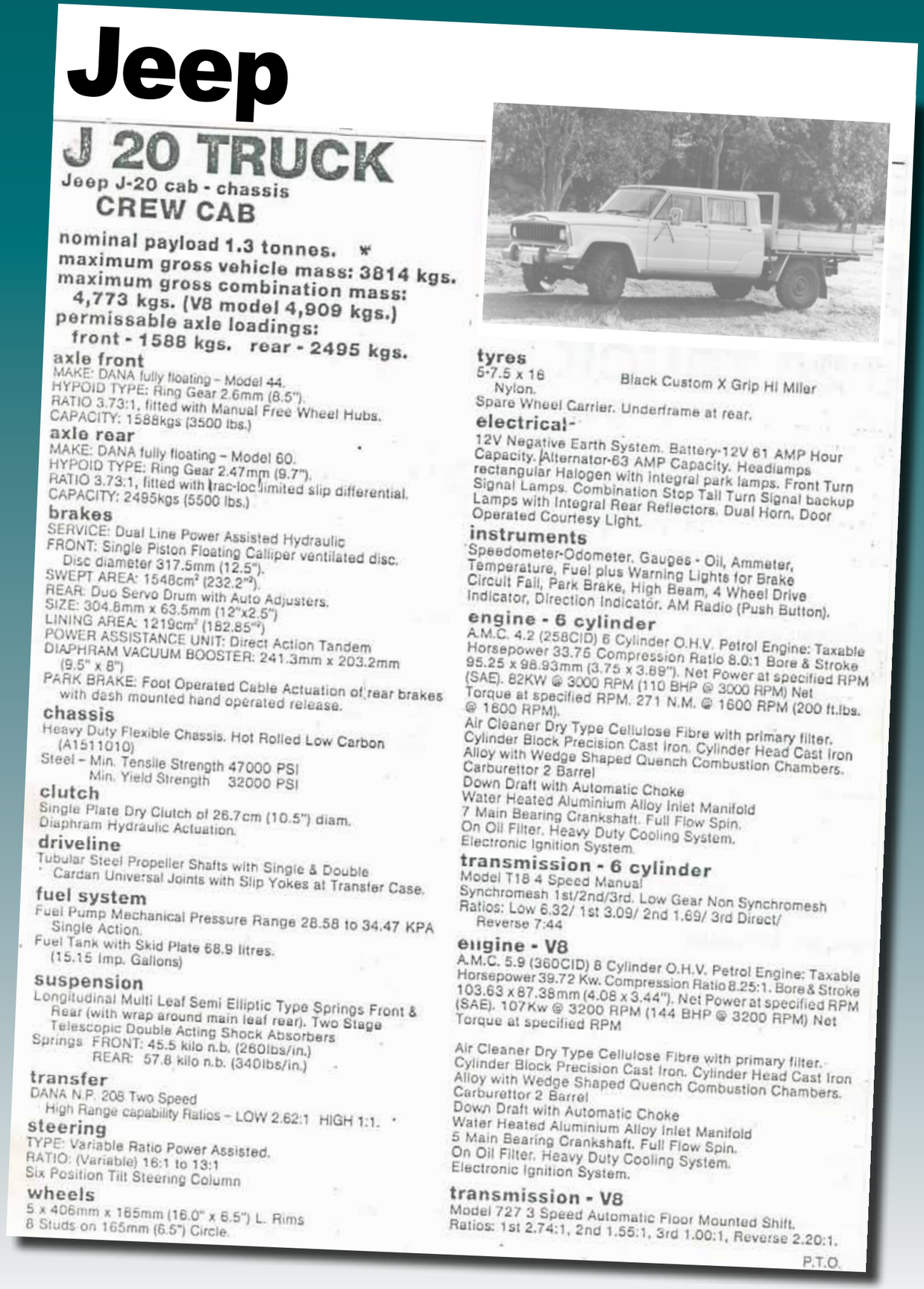
By Michael Bowen
Information supplied by John Wychowanko
Photos and diagrams supplied by Lyndon Walshaw

John Wychowanko

THE J20 DUAL CAB



The J20 dual cab was a purpose built model assembled by Jeep Australia based on the J20 of the time. Other than it's unique look, the real mystery surrounding the dual cab is its evolution and just how many were made. In 1982 John Wychowanko was Southern Region manager for Jeep Australia in Victoria and also looked after Tasmania. John takes up the story.



Jeep

J 20 TRUCK

Jeep J-20 cab - chassis

CREW CAB

nominal payload 1.3 tonnes.
maximum gross vehicle mass: 3814 kgs.
maximum gross combination mass: 4,773 kgs. (V8 model 4,909 kgs.)
permissable axle loadings: front - 1588 kgs. rear - 2495 kgs.

axle front
MAKE: DANA fully floating – Model 44.
HYPOID TYPE: Ring Gear 2.6mm (8.5").
RATIO 3.73:1, fitted with Manual Free Wheel Hubs.
CAPACITY: 1588kgs (3500 lbs.)

axle rear
MAKE: DANA fully floating – Model 60.
HYPOID TYPE: Ring Gear 2.47mm (9.7").
RATIO 3.73:1, fitted with trac-loc limited slip differential.
CAPACITY: 2495kgs (5500 lbs.)

brakes
SERVICE: Dual Line Power Assisted Hydraulic
FRONT: Single Piston Floating Calliper ventilated disc. Disc diameter 317.5mm (12.5").
SWEPT AREA: 1548cm² (232.2"²).
REAR: Duo Servo Drum with Auto Adjusters.
SIZE: 304.8mm x 63.5mm (12"x2.5")
LINING AREA: 1219cm² (182.85"²)
POWER ASSISTANCE UNIT: Direct Action Tandem DIAPHRAM VACUUM BOOSTER: 241.3mm x 203.2mm (9.5" x 8")
PARK BRAKE: Foot Operated Cable Actuation of rear brakes with dash mounted hand operated release.

chassis
Heavy Duty Flexible Chassis. Hot Rolled Low Carbon (A1511010)
Steel – Min. Tensile Strength 47000 PSI
Min. Yield Strength 32000 PSI

clutch
Single Plate Dry Clutch of 26.7cm (10.5") diam. Diaphram Hydraulic Actuation.

driveline
Tubular Steel Propeller Shafts with Single & Double Cardan Universal Joints with Slip Yokes at Transfer Case.

fuel system
Fuel Pump Mechanical Pressure Range 28.58 to 34.47 KPA Single Action.
Fuel Tank with Skid Plate 68.9 litres. (15.15 Imp. Gallons)

suspension
Longitudinal Multi Leaf Semi Elliptic Type Springs Front & Rear (with wrap around main leaf rear). Two Stage Telescopic Double Acting Shock Absorbers
Springs FRONT: 45.5 kilo n.b. (260lbs/in.)
REAR: 57.8 kilo n.b. (340lbs/in.)

transfer
DANA N.P. 208 Two Speed
High Range capability Ratios – LOW 2.62:1 HIGH 1:1.

steering
TYPE: Variable Ratio Power Assisted.
RATIO: (Variable) 16:1 to 13:1
Six Position Tilt Steering Column

wheels
5 x 406mm x 165mm (16.0" x 6.5") L. Rims
8 Studs on 165mm (6.5") Circle.

tyres
5·7.5 x 16 Black Custom X Grip Hi Miler
Nylon.
Spare Wheel Carrier. Underframe at rear.

electrical
12V Negative Earth System. Battery-12V 61 AMP Hour Capacity. Alternator-63 AMP Capacity. Headlamps rectangular Halogen with integral park lamps. Front Turn Signal Lamps. Combination Stop Tail Turn Signal backup Lamps with Integral Rear Reflectors. Dual Horn. Door Operated Courtesy Light.

instruments
Speedometer-Odometer. Gauges - Oil, Ammeter, Temperature, Fuel plus Warning Lights for Brake Circuit Fail, Park Brake, High Beam, 4 Wheel Drive Indicator, Direction Indicator. AM Radio (Push Button).

engine - 6 cylinder
A.M.C. 4.2 (258CID) 6 Cylinder O.H.V. Petrol Engine: Taxable Horsepower 33.75 Compression Ratio 8.0:1 Bore & Stroke 95.25 x 98.93mm (3.75 x 3.89"). Net Power at specified RPM (SAE). 82KW @ 3000 RPM (110 BHP @ 3000 RPM) Net Torque at specified RPM. 271 N.M. @ 1600 RPM (200 ft.lbs. @ 1600 RPM).
Air Cleaner Dry Type Cellulose Fibre with primary filter.
Cylinder Block Precision Cast Iron. Cylinder Head Cast Iron Alloy with Wedge Shaped Quench Combustion Chambers.
Carburettor 2 Barrel
Down Draft with Automatic Choke
Water Heated Aluminium Alloy Inlet Manifold
7 Main Bearing Crankshaft. Full Flow Spin.
On Oil Filter. Heavy Duty Cooling System.
Electronic Ignition System.

transmission - 6 cylinder
Model T18 4 Speed Manual
Synchromesh 1st/2nd/3rd. Low Gear Non Synchromesh
Ratios: Low 6.32/ 1st 3.09/ 2nd 1.69/ 3rd Direct/ Reverse 7:44

engine - V8
A.M.C. 5.9 (360CID) 8 Cylinder O.H.V. Petrol Engine: Taxable Horsepower 39.72 Kw. Compression Ratio 8.25:1. Bore & Stroke 103.63 x 87.38mm (4.08 x 3.44"). Net Power at specified RPM (SAE). 107Kw @ 3200 RPM (144 BHP @ 3200 RPM) Net Torque at specified RPM

Air Cleaner Dry Type Cellulose Fibre with primary filter.
Cylinder Block Precision Cast Iron. Cylinder Head Cast Iron Alloy with Wedge Shaped Quench Combustion Chambers.
Carburettor 2 Barrel
Down Draft with Automatic Choke
Water Heated Aluminium Alloy Inlet Manifold
5 Main Bearing Crankshaft. Full Flow Spin.
On Oil Filter. Heavy Duty Cooling System.
Electronic Ignition System.

transmission - V8
Model 727 3 Speed Automatic Floor Mounted Shift.
Ratios: 1st 2.74:1, 2nd 1.55:1, 3rd 1.00:1, Reverse 2.20:1.

P.T.O.