

Minitruck parts cross reference

1) Shop Manual

- a) Nagata Technology, Inc. 847-439-0321
 - i) Daihatsu s81p, s82p-s83p-s110p \$65.00+ship

2) Batteries

- a) NAPA 8223
- b) Interstate Batteries
 - i) YB30L-B
 - ii) SYB16L-B
 - iii) YB16CL-B
- c) Autozone
 - i) 425 AMP lawnmower battery works great. You have to convert to blade posts and alter your clamp system a bit.

3) Gear/Transmission Oil

- a) Mitsubishi
 - i) Transmission and Transfer case: Owner's manual calls out "SAE 75W/85W (GL-4)" for both the transmission and transfer case.
- b) Differential:
 - i) Above 10 degrees C: SAE 90
 - ii) Below 10 degrees C: SAE 80W
 - iii) 0.73 qts. of 75w-85 Or 90w depends on temp.
 - iv) Differential-front 0.83qts. 80w-90
 - v) rear 1.34qts. 90w.
- c) Use 70 weight gear lubes in std. tranny & diffs. Not the heavy stuff

4) Engine Oil

- a) 10w30
- b) 10w40
- c) ROTELLA 15W 40

5) Fluid Capacities

Engine Oil	Coolant	Manual transmission*	Front axle	Rear axle	Fuel tank	Brake
2.9 qt	3.9qt*	2.5 pts (Hypoid gear oil 80w or 75w-85 conforming to API spec GL-4 or higher)	1.5 pts (85w-90)	2.3 pts (85w-90)	7.9 gal.	DOT3

- a) *Including heater and coolant reserve tank. Use any high-quality Ethylene Glycol antifreeze/coolant. Look under the raised portion of the driver seat for coolant refill instructions (if you have an open/close position valve on your radiator neck) this will prevent air pockets/blocks.
- i) *To check the tranny - remove the filler plug; midway on side of tranny oil should be up to the lower edge of hole. To drain, there's a plug on bottom of tranny. (Recommend a new gasket for drain plug)

6) Filters

	Oil Filter	Fuel Filter	Air Filter	Spark Plugs
Suzuki	Napa FIL1360 Wix 51360 Wix 51344 Fram 4967	WIX 33470	Fram CA568 WIX #42143 or NAPA SILVER #22143	Denso XU22EPR-U NGK 3932 (F5A and F6A) NGK DCPR7E
Daihatsu	Napa FIL1360 Wix 51360 Wix 51394 Walmart Super Tech ST7317			Denso K20PR-U11 AUTOLITE# 64 (EFI)
Mitsubishi	Napa FIL1360 Wix 51360 Wix 51365 Fram 1365 NAPA 1365 Fram PH6607 interchanges to Wix 51365		Mitsubishi MD620584 or MR571470 (cross reference to a K&N Part # 33-2740)	Denso K20PR-U11 NGK#BKR-68
Honda				NAPA 6962
Subaru				AUTOLITE# 5224

- Baldwin filters have a good name as a quality U.S. made filter. The B1400 is the cross over for the standard short filter (length 2 5/8" - M20 X 1.5mm threaded).
- B1402 will work on some trucks although a bit longer at 3.5" and finally the B1431 is the longest at 4" long.
- These are direct cross overs for several of the Mitsubishi filters as listed on their web site.
- **GENERAL RULE OF THUMB, PLUGS CAN BE SET A .035 THOUSANDS ON MOST MAKES.**

7) Shocks

	Monroe	Napa	
Suzuki	3100 series		
Daihatsu	32207		
Mitsubishi		#94009 NAPA # 94009 on the rear for my Mitsubishi with a 3 inch lift worked out great	
Honda	3100 series		
Subaru	3100 series		

8) Water pump/alternator belt

- a) NAPA #25-7300
- b) Same belt also fits power steering

9) Wheels

- a) 12x7 wheels with a 5+2 offset and 4/115 bolt pattern should work for your '90 Suzuki
- b) Bolt Pattern Lug Size

	Bolt Pattern	Lug Size
Suzuki*	4 x 115mm (older) 4 x 100mm (newer)	12mm x 1.25
Daihatsu**	4 x 110mm*	12mm x 1.5
Mitsubishi	4 x 115mm	12mm x 1.5
Honda		
Subaru		

- i) *Toyota Tercel seem to be 4x100 for Suzuki carry
- ii) **13" wheels off a Gen 1 Mazda RX 2-3-7 will bolt right up to a 4x110 Daihatsu
- iii) The 4/115 fitting on a Suzuki is only good for all trucks older than 1994, and half the 1995 trucks. Half the 1995 trucks and anything 1996 and newer will take a 4/100 hole pattern.
- iv) 5+2 offset needed for the mini trucks

c) Wheels that will fit 4x100mm (3.93")

Acura - Integra to '89	Audi - most models to '89	Audi Fox
BMW 1600, 2002, 2002, 300-series to '89	Chevy - Chevette '76-'87, Spectrum, Nova '80-'89	Dodge - Omni, Rampage, Aries, 024 '79-'85, Charger, Daytona (FWD) '82-'89
Honda - all (except '76-'80 Accord, Civic) to '89	Isuzu - Impulse, I-Mark to '89	Nissan - Pulsar, Sentra '87-'89
Opel Kadett	Plymouth - Horizon, TC3, Reliant, Voyager '78-'89	Renault - all to '89
Toyota - Celica, MR2, Tercel '86-'89	VW - Dasher, Fox, Jetta, Rabbit, Scirocco to '89	The stock steel rims from the 1997 Nissan Sentra (13x5) fit perfectly--4x100

		bolt pattern and the center bore fits snugly also
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10) Tires

- a) The only tire we recommend for the stock wheel is the Carlisle 23x7x12 ACT
- b) 175/70-13 gives you a theoretical diameter of 575.2mm = 22.6"
- c) 175/65-14 gives 583.1mm = 22.9".

11) Valve adjustment

	Intake	Exhaust	Notes
Suzuki	.003"	.006"	
Daihatsu	.18mm / .007"	.25mm / .0098"	'93 Hijet Set COLD
Mitsubishi	.006"	.009"	Cold
	.008"	.12"	Hot
Honda	.15mm +/- .02mm (.0059 in +/- .0007 in)	.20mm +/- .02mm (.0078 in +/- .0007 in)	
Subaru			

12) Driveline Parts

- a) Daihatsu
 - i) Shaft U-joint:
 - (1) Neapco # 1-0011
 - (2) NAPA PUJ410
- b) Mitsubishi
 - i) CV Boots: Napa part no. 686-1188

13) Belts

	Alternator		
Suzuki	"power torque" 13250 or 14-0837-8		
Daihatsu			
Mitsubishi			
Honda			

	Alternator		
Subaru			