MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1990

Vehicle Line		
DO	DGE SPIRIT	
Issued 9-15-89	Revised	
	lssued	DODGE SPIRIT Issued Revised

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This specification form was developed by the vehicle manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

MVMA Specifications Form METRIC (U.S. Customary)

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NOTE:

- 1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary follows in parentheses.
- 2. UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted. b. Nominal design dimensions are used throughout these specifications. c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms
- 3. The General Specifications herein are those in effect at date of compilation and are subject to change
- without notice or incurring obligation by the manufacturer.
 Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

DODGE SPIRIT 1990 Issued 9-15-89

METRIC (U.S. Customary)

Vehicle Origin

Design & Development (company)	Chrysler Motors Corporation	
Where built (country)	U.S.A.	
Authorized U.S. sales marketing representative	DodgeDivision of Chrysler Motors Corporation	

Model Description & Drive (FWD/RWD/AWD/4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk Cargo Load - Kilograms (Pounds)
Spirit 4-Door Sedan - FWD	October 1989	AADH41	5 (2/3) std. 6 (3/3) opt.	52 (115)
Spirit LE 4-Door Sedan - FWD	October 1989	AADP41	5 (2/3) std. 6 (3/3) opt.	52 (115)
Spirit ES 4-Door Sedan - FWD	October 1989	AADX41	5 (2/3) std.	52 (115)
•				
				•
		·		
			-	
•				

^{*.}FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

Vehicle Line	DODGE	SPIRIT			
Model Year	1990	lssued	9-15-89	Revised (•)	

METRIC (U.S. Customary)

Power Teams

SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F (25 °C) and 29.61 in. Hg (100 kPa) atmospheric pressure.

			Α	В	С	D	E			
	Engin	e Code	EDM	(=	EDT	(=	EFA			
E	Displa Liters	icement (in ³)	2.5 (153.0)	.	¢	(=	3.0 (181.4)			
Z G ;		tion system arb., etc.)	TBI-EFI	\(\sigma	SMPI Turbo	\(\sqrt{\sq}}\sqrt{\sq}}}}}}}}\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}	MPI			
E	Comp	pression	8.9:1	=	7.8:1	(=	8.9:1			
	SAE	Power	75 (100)	=	112 (150)	(=	105 (141)			
			Net		kW (bhp)	@ 4800	(=	@ 4800	(=	@ 5000
	at	Torque	183 (135)	(=	244 (180)	1	232 (171)			
	RPM		@ 2800	<u></u>	@ 2000	<u></u>	@ 3600			
	Exha:	ust e, dual	single	\(\sigma	(=	\(\rightarrow	(=			
RAN	Trans Trans	imission/ saxle	Manual 5-speed	Auto. 3-speed	Manual 5-speed	Auto. 3-speed	4-speed OD auto.			
		Ratio first) (=)	2.51:1	3.02:1	2.51:1	3.02:1	2.36:1			

Series Avai	ability	Power Teams	(A-B-C-D-E)	
Model	Code	Standard	Optional	_
Dodge Spirit	AADH41	Α	B, C, D, E	
Dodge Spirit LE	- AADP41	Α	B, C .D, Ē	
Dodge Spirit ES	AADX41	<u> </u>	D. E	
				_
		<u> </u>		
<u></u>		· · · · · · · · · · · · · · · · · · ·		
			<u> </u>	

Vehicle Line DODGE SPIRIT

1990 Issued 9-15-89 Revised (*) Model Year METRIC (U.S. Customary)

Engine Description Engine Code

2.5L (153.0 in³) EFI, EDM

2.5L (153.0 in³) SMPI Turbo I, EDT

ENGINE - GENERAL

Ch 87.5 104. 96.0 Cast Iron 237. 418 0.00 Aluminum 9.71 (21.4) 48.94	rysler 4 5 (3.44) 0 (4.09) 0 (3.78) 40.55 (89.4) 8 (9.36) (16.46) 01 (0.004), above Aluminum 10.66 (23.5) to 51.94 N.A.
87.5 104. 96.0 Cast iron 237. 418 0.00 Aluminum 9.71 (21.4) 48.94	4 5 (3.44) 0 (4.09) 0 (3.78) 40.55 (89.4) 8 (9.36) (16.46) 01 (0.004), above Aluminum 10.66 (23.5) to 51.94
87.5 104. 96.0 Cast iron 237. 418 0.00 Aluminum 9.71 (21.4) 48.94	4 5 (3.44) 0 (4.09) 0 (3.78) 40.55 (89.4) 8 (9.36) (16.46) 01 (0.004), above Aluminum 10.66 (23.5) to 51.94
104. 96.0 Cast Iron 237. 418 0.00 Aluminum 9.71 (21.4) 48.94	0 (4.09) 0 (3.78) 40.55 (89.4) 8 (9.36) (16.46) 01 (0.004), above Aluminum 10.66 (23.5) to 51.94 N.A.
104. 96.0 Cast Iron 237. 418 0.00 Aluminum 9.71 (21.4) 48.94	0 (4.09) 0 (3.78) 40.55 (89.4) 8 (9.36) (16.46) 01 (0.004), above Aluminum 10.66 (23.5) to 51.94 N.A.
96.0 Cast iron 237. 418 0.00 Aluminum 9.71 (21.4) 48.94	0 (3.78) 40.55 (89.4) 8 (9.36) (16.46) 01 (0.004), above Aluminum 10.66 (23.5) to 51.94 N.A.
Cast iron 237. 418 0.00 Aluminum 9.71 (21.4) 48.94	40.55 (89.4) 8 (9.36) (16.46) 01 (0.004), above Aluminum 10.66 (23.5) to 51.94 N.A.
0.00 Aluminum 9.71 (21.4) 48.94	01 (0.004), above Aluminum 10.66 (23.5) to 51.94
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Aluminum 9.71 (21.4) 48.94	Aluminum 10.66 (23.5) to 51.94 N.A.
Aluminum 9.71 (21.4) 48.94	Aluminum 10.66 (23.5) to 51.94 N.A.
48.94 1.78	N.A.
1.78	
	(0.070)
72.045	
73.815	92.24
R to L as inst	talled - 1, 2, 3, 4
	••
1,	3, 4, 2
Aluminum 2.86 (6.3)	Aluminum 5.67 (12.5)
Cast Iron 6.08 (13.4)	Cast iron 5.17 (11.4).
Regular unleaded	Premium unleaded
87 octane or higher	recommend 91 or higher, 87 or higher accept
	3
Natural Rubber	
No	one
153.18 (337.0)	161.36 (355.0)
	Regular unleaded 87 octane or higher Natura

Material & mass, g	Aluminum	Aluminum
(weight, oz.) - piston only	322 (11.4)	367 (13.0)

Engine - Camshaft

Location Material & mass kg (weight, lbs.)		Overhead
		Post-hardened nodular iron 2.68 (5.9)
Drive type	Chain/belt	Belt
Drive type	Width/pitch	23.8/9.52 (0.937/0.375)

Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine
Finished state
Dressed engine mass (weight) includes the following: starter, alternator, manifolds, water pump, engine mounted emissions controls, power steering pump, drive belts, oil filter, right engine mount, and throttle controls as required.

Vehicle Line DODGE SPIRIT

METRIC (U.S. Customary)

1990 Issued 9-15-89 Model Year Revised (*)

Engine Description Engine Code

3.0L (181.4 in³) MPI, EFA

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		V-6, 60°, SOHC, front, transverse
Manufacture	, 	Mitsubishi Motors Corp.
No. of cylinde	ers	6
Bore		91.1 (3.59)
Stroke		76.0 (2.99)
Bore Spacing	(C/L to C/L)	108 (4.25)
Cylinder block	material & mass kg (lbs.) (machined)	Cast Iron 47.50 (104.5)
Cylinder block	deck height	210.5 (8.29)
Cylinder block	clength	384 (15.12)
Deck clearance (minimum) (above or below block)		0.44 (0.017) below
Cylinder head material & mass kg (lbs.)		Aluminum alloy 12.45 (27.3)
Cylinder head volume (cm³)		46.3 ± 0.666
Cylinder liner material		N.A.
Head gasket thickness (compressed)		1.20 - 1.325 (0.047 - 0.052)
Minimum con total volume	nbustion chamber (cm ³)	63.3
Cyl. no. system	n L. Sank	2, 4, 6
(front to rear)	R. Bank	1, 3, 5
Firing order		1, 2, 3, 4, 5, 6
Intake manife	old material & mass (kg (lbs.))**	Die cast aluminum 7.60 (16.7)
	fold material & mass [kg (lbs.)]**	Nodular cast iron 9.59 (21.1)
Fuel required	, unleaded, diesel, etc.	Regular unleaded
Fuel antiknoo	k index (R + M) + 2	87 Octane or higher
	Number	3
Engine mounts	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.	Natural Rubber
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed	engine mass (wt) dry***	168.18 (370.0)

Engine - Pistons

Eligitic 1 istolis	
Material & mass, g	Aluminum alloy
(weight, az.) - piston only	404 (14.2)
	

Engine - Ca	msnaπ		
Location		Cylinder head	
Material & mass, kg (weight, lbs.)		Cast iron	
		4.64 (10.2)	
Drive type	Chain/belt	Belt	
	Width/pitch	25.4/9.52 (1.0/0.375)	

Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine
 Finished state

^{***} Dressed engine mass (weight) includes the following: starter, alternator, manifolds, water pump, engine mounted emissions controls, power steering pump, drive belts, oil filter, right engine mount, and throttle controls as required.

Vehicle Line DODGE SPIRIT MVMA Specifications 9-15-89 Revised (•) 1990 Model Year METRIC (U.S. Customary) 2.5L (153.0in³) **Engine Description** 3.0L (181.4 in3) MPI. EFA EFI, EDM **Engine Code** Engine - Valve System Std. Hydraulic lifters (std., opt., n.a.) ΔIÃ Number intake/exhaust 6/6 Valves 42.9 - 43.1 / 34.9 - 35.1 (1.69 - 1.70 / 1.37 - 1.38) 40.6 / 35.4 (1.60 / 1.39) Head O.D. intake/exhaust **Engine - Connecting Rods** Forged steel: 0.65 (1.4) Forged steel: 0.68 (1.5) Material & Mass [kg., (weight lbs.)]* 151 (5.94) 141 (5.55) Ø Length (axes € to €) mm Engine - Crankshaft Nodular iron 16.04 (35.3) Nodular iron: 15.10 (33.2) Material & Mass [kg., (weight lbs.)]* Three End thrust taken by bearing (no.) Three 470.8 (18.5) / Four 487.1 (19.2) / Five Length & number of main bearings Polyacrylic / One piece Seal (material, one, Fluorocarbon / One piece Rear two piece design, etc.) **Engine - Lubrication System** 241-690(35-100) @ 3000 rpm(a) 172-552(25-80) @ 3000 rpm(a) Normal oil pressure {kPa (psi) at eng. rpm} Stationary Type of intake (floating, stationary) **Full flow** Oil filter system (full flow, part, other) 3.8 (4) Capacity of c/case, less filter-refill-L (qt.) **Engine - Diesel Information** Diesel engine manufacturer Glow plug, current drain at 0° F Injector Type Opening pres.[kPa (psi)] nozzie Pre-chamber design Manufacturer Fuel inj. pump Type Fuel inj. pump drive (belt, chain, gear) Supplementary vacuum source (type) Fuel heater (yes/no) Water separator description (std., opt.) Turbo manufacturer Oil cooler type (oil to engine coolant;

Engine - Intake System

Turbo charger - Manufacturer Super charger - manufacturer Intercooler

oil to ambient air)

Oil filter

^{*} Finished State

⁽a) Fully warmed

MVMA Specifications		Vehicle Line DODGE SPIRIT			
		Model Year 1990 Issued 9-15-89 Revised (●)			
METRIC (U.S.	. Customary)				
		2 51 (et 2 0;-2)			
Engine Descript	tion	2.5L (153.0in³)			
Engine Code		SMPI Turbo, EDT			
Engine - Valv	ve Svstem				
Hydraulic lifters		Std.			
Valves	Number intake/exhaust	4/4			
	Head O.D. intake/exhaust	40.6 / 35.4 (1.60 / 1.39)			
	necting Rods	Forged steel 0.68 (1.5)			
	s [kg., (weight lbs.)]*	151 (5.94)			
Ø Length (axes	s ∉ to ∉) mm	131 (3.34)			
Engine - Crai	nkshaft				
	s [kg., (weight ibs.)]*	High -hardness ductile iron 16.10 (35.4)			
End thrust taken by bearing (no.)		Three			
Length & number of main bearings		487.1 (19.2) / Five			
Seal (material, one, Front		Polyacrylic / One piece			
two piece design, etc.) Rear		Fluorocarbon / One piece			
Engine - Lub	rication System				
	sure [kPa (psi) at eng. rpm]	172-552 (25-80) @ 3000 rpm/Fully warmed Stationary			
	(floating, stationary)	Full flow			
	(full flow, part, other)				
Capacity of c/ca	sse, less filter-refill-L (qt.)	3.8 (4)			
Engine Die	sel Information				
Diesel engine n	rent drain at 0° F				
Injector	Type Opening pres.[kPa (psi)]				
nozzle					
Pre-chamber de	Manufacturer				
Fuel inj.	Туре				
pump	drive (belt, chain, gear)				
	y vacuum source (type)				
Fuel heater (ye					
Water separate					
(std., opt.)	or description				
Turbo manufac	Clurer				
	(oil to engine coolant;				
oil to ambient					
Oil filter					
J					
Engine - Inta	ake System				
	- Manufacturer	M.H.I.			
	- manufacturer	<u> </u>			

Intercooler

^{*} Finished State

METRIC (U.S. Customary)

Vehicle Line	DODGE S	PIRIT		
Model Year_	1990	Issued <u>9-15-89</u>	Revised ()

Engine Description Engine Code

2.5L (153.0 in3) EFI **EDM**

2.5 L (153.0 in.3), SMPI Turbo EDT

Engine - Cooling System Standard Coolant recovery system (std., opt., n.a.) Bottle Coolant fill location (rad, bottle) 96-124 (14-18) Radiator cap relief valve pressure (kPa (psi)) Choke, Pellet Operated Circulation Type (choke, bypass) 90(194) thermostati Starts to open at °C (°F) Centrifugal Type (centifugal, other) GPM 1000 pump rpm One Number of pumps Multi-Groove Belt Drive (V-belt, other) Water Integral Ball Bearing pump Bearing type Steel Impeller material Cast Aluminum Housing material External By-pass recirculation [type (inter., ext.)] 8.5(9.0) With heater - L(qt.) Cooling 8.5(9.0) system With air cond. - L(qt.) Opt. equipment (specify - L(qt.)) capacity Yes Water jackets full length of cyl. (yes, no) No Water all around cylinder (yes, no) No Water jackets open at head face (yes, no) A/T W/O A/C A/T W A/C Auto trans. M/T Std. A/C, HD Manual trans. Cross Flow Type (cross-flow, etc.) Construction (fin & tube Tube & Fin Spacer, Soldered, 1 Row Radiator mechanical, braze, etc.) 4.59(10.1)(a) 4.45(9.8)(a) 4.59(10.1)(a) 4.77(10.5)(a) 4.45(9.8)(a) Material, mass [kg (wgt.lbs.)] * core 546(21.5) Width 368(14.5) Height 18(0.7) Thickness Fins per inch Nylon 66 Radiator end tank material Electric Std., elec., opt. Number of blades & type 7-blade plastic (flex, solid, material) $388 \times 51 (15.3 \times 2.0)$ Diameter & projected width Ratio (fan to crankshaft rev.) **Electric Motor** Fan cutout type Fan Drive type (direct, remote) 1950 1800 RPM at idle (elec.) 130 Motor rating (wattage) (elec.) Thermistor, Water Box & AC clutch Motor switch (type & location) (elec.) (c) (b) Switch point (temp., pressure) (elec.) Plastic Fan shroud (material)

^{*} Mass (weight) shown is for assembly as purchased.

⁽a) Copper/Brass (b) 99 °C (210 °F) (<40 mph); 110 C (230 °F) >40 mph (c) 99 °C (210 °F) (<40 mph); 104 C (220 °F) >40 mph

METRIC (U.S. Customary)

Vehicle Line	DODGE	SPIRIT		_
Model Year_	1990	Issued <u>9-15-89</u>	Revised (*)	

3.OL (181.4in³) MPI, EFA

Engine Description Engine Code

	cooling System every system (std., opt., n.a.)	Standa	rd		
	ocation (rad, bottle)	Bottle			
	relief valve pressure [kPa (psi)]	96 - 124 (14			
	Type (choke, bypass)	Choke, pellet	operated		
	Starts to open at °C (°F)	90 (19	4)		
	Type (centifugal, other)	Centrifu	gal		
	GPM 1000 pump rpm	not avail	able		
	Number of pumps	one			
Water	Drive (V-belt, other)	multi-groo	ve belt		
pump	Bearing type	integral ball	bearing		
	Impeller material	steel			
	Housing material	Cast alum	inum		
By-pass reci	rculation [type (inter., ext.)]	extern			
Cooling	With heater - L(qt.)	9.0 (9.			
system	With air cond L(qt.)	9.0 (9.	5)		
capacity	Opt. equipment [specify - L(qt.)]				
Water jacke	ets full length of cyl. (yes, no)	yes			
Water all ar	ound cylinder (yes, no)	no			
	ets open at head face (yes, no)	no			
	Std. A/C, HD	w/o A/C	w A/C		
	Type (cross-flow, etc.)	cross fi	ow		
Radiator	Construction (fin & tube mechanical, braze, etc.)	tube and fin spacer, so			
core	Material, mass [kg (wgt.lbs.)] *	Copper/brass 4.60 (10.1)	Copper/brass 4.80 (10.5)		
	Width	546 (21			
	Height	368 (14	l.5)		
	Thickness	18 (0.			
	Fins per inch	15	17		
Radiator er	nd tank material	Nylon 66			
	Std., elec., opt.	electr	ric		
	Number of blades & type (flex, solid, material)	7-blade p			
	Diameter & projected width	388 × 51 (15	5.3 × 2.0)		
	Ratio (fan to crankshaft rev.)	-			
Fan	Fan cutout type	electric n	notor		
	Drive type (direct, remote)	••			
	RPM at idle (elec.)	1950			
	Motor rating (wattage) (elec.)	130			
	Motor switch (type & location) (elec.)	thermistor, water bo			
	Switch point (temp., pressure) (elec.)	93.3° C (200° F); 99°			
	Fan shroud (material)	93.3 C (200 F); 95 C (210 F)			

^{*} Mass (weight) shown is for purchased assembly

Vehicle Line DODGE SPIRIT

1990 9-15-89 Revised (•) Model Year Issued

METRIC (U.S. Customary)

Engine Description Engine Code

2.5 L (153.0 in³) EFI, EDM

2.5 L (153.0 in³) SMPI Turbo, EDT 3.0L (181.4 in³) MPI, EFA

Induction type	: carburetor, fuel	•				
injection system, etc.		Fuel injection				
Manufacturer		Holley/Bosch	(b)	Holly/Bosch/Nikk/Nippondenso		
Carburetor no.	of barrels	N.A. N.A.				
Idle A/F mix.						
	Point of injection (no.)	Throttle body (1)	Intake ports (4)	Intake ports (6)		
Fuel	Constant, pulse, flow	Pulse				
Injection	Control (electronic, mech.)	Electronic				
.	System pressure [kPa (psi)]	100 (14.5)	379.6 (55.1)	331 (48)		
dle spdrpm	Manual	850	950	N.A.		
spec. neutral						
or drive and	Automatic	850/Neutral	900/Neutral	700/Drive - 800/Neutral		
propane if				<u> </u>		
used)						
Intake manifo	id heat control (exhaust			1		
or water them	nostatic or fixed)	Water	None	None		
Air cleaner typ	pe	Oil wetted paper element				
Fuel filter (typ	e/location)	Paper element; stainless steel can; Inline underbody				
Type (elec. or mech.)			Electric			
Fuel	Location (eng., tank)		In fuel tank			
pump	Pressure range [kPa (psi)]		N.A.			
•	Flow rate at regulated pressure					
	(L (gal) / hr @ kPa (psi))	81-161 (21-42) @ 12V & 15psi	92-180 (24-48) @ 12V & 55psi	95-186 (25-49) @ 12V & 48psi		

Fuel	Tank
_	

Fuel Tank	11 / II 1	61 (16.0)
Capacity refi		Forward of axle
Location (de:	scribe)	
Attachment		Galvanized or terne plated steel strap to floor pan
Material & M	lass [kg (weight lbs:)]	Terne plated steel 11.2 (24.7) (a)
Filler	Location & material	Right rear quarter panel, lead dipped steel
pipe	Connection to tank	Rubber grommet
Fuel line (ma	iterial)	Duplex coated steel
Fuel hose (m	aterial)	Fuel resistant rubber
Return line (material)		Duplex coated steel
Vapor line (marterial)		Duplex coated steel
Extended	Opt., n.a.	
range	Capacity [L (gallons)]	
tank -	Location & material	
	Attachment	
	Opt., n.a.	
	Capacity (L (gallons))	
Auxiliary	Location & material	
tank	Attachment	
	Selector switch or valve	
	Separate fill	

⁽a) Includes tank-mounted fuel pump

⁽b) Holly/Bosch/Siemans Bendix/McGuane

Vehicle Line DODGE SPIRIT

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Model Year 1990 Issued 9-15-89 Revised (*)

Engine Description Engine Code

yes - hot engine

yes - cold engine

	Type (air in	jection, engine	,	exhaust gas recirculation, engine modifications, catalytic converter			
	modifications, other)		aspirator				
Ī		Pump or pulse		puise	N.A.		
		Driven by		exhaust pressure	N.A.	· · · · · · · · · · · · · · · · · · ·	
	Δir	Air distributio	n			•	
	Air injection	(head, manifo	ld, etc.)	fixed	N.A.		
		Point of entry		catalytic converter	N.A.		
Ī		Type (controll	ed flow,	exhaus	t back pressure-controlled flo	w	
	Exhaust	open orifice, o		_			
xhaust	Gas	Exhaust source	2		exhaust manifold branch		
Emission Control	Recirc- ulation	Point of exhau (spacer, carbu manifold, other	retor,		intake manifold plenum		
		Туре		3 - way + oxidation	3-way		
	Catalytic	Number of		one			
		Location(s)			below exhaust manifold		
	 -	Volume [L(in.	<u>')]</u>	1.23 + 0.74 (75 + 45)	1.23 + 0.9 (75 +	- 55)	
•	ļ	Substrate type			monolithic		
•	1	Noble metal t		Pt:Rh + Pd (a)	Platinum:Rhoc		
	•	Noble metal		0.00061:0.00009	0.00061:0.00009 +	0.00061:0.0001	
		concentration	(q/cm³)	+ 0.00085	0.00061:0.00007		
	Type (vent	ilates to atmos			losed induction system		
	1	system, other)	•			·	
rankcase		rce (manifold		manifold vacuum			
mission	vacuum, c	arburetor, othe	er)				
ontrol		(to intake		intake manifold			
	maifold, o	maifold, other)					
	Air inlet (b	reather cap, of	her)	air cleaner			
vapora-		ted to (crank-	Fuel tank		canister		
ive emis-	case, canis	ter, other)	Carburetor				
***************************************	Vapor storage provision		canister				

Engine - Exhaust System

Closed loop (yes/no)

Open loop (yes/no)

Electronic

system

	le, single with cross-over,	single					
dual, other	r)			<u> </u>			
Muffler no	. & type (reverse flow, straight thru,	-	one, reven				
	esonator) Material & mass (kg. (weight lbs.))	stainles		ncludes tail-pipe be	low		
Resonator no. & type			one, straight				
Exhaust	Branch o. d., wall thickness	Into catalyst 50.8 x 1.4 (2.00 x 0.055)					
	Main o. d., wall thickness	Out of catalyst 50.8 x 1.4 (2.00 x 0.055)					
	Material & mass [kg. (weight !bs.)]	5.70 (12.6) (b) 6.11 (13.5) (b) 5.70 (12.6) (b) 5.83					
Intermed-	L. A. Hallad since		47.8 × 1.2 (1.8				
iate pipe	Material & mass (kg. (weight lbs.))	stainless steel 5.13 (11.3) (includes resonator)					
Tail	o. d., & wall thickness		47.8 × 1.1 (1.88				
pipe	Material & mass [kg. (weight lbs.)]	stainless steel (see muffler assembly)					

⁽a) Pt = Platinum; Rh = Rhodium; Pd = Palladium

⁽b) stainless steel (Includes catalytic converter)

METRIC (U.S. Customary)

Vehicle Line_D	ODGE SPIR	RIT			
Model Year	1990	Issue <u>d</u>	<u>9-15-89</u>	Revised (•)	

Engine	Description :
Enaine	Code

	_
2.5 L (153.0 in ²	3) Turbo, EDT
49 States	California

	Type (air injection, engine		e ·	engine modifications,	engine mod's, catalytic converter,	
	modifications, other)		catalytic converter	exhaust gas recirculation		
		Pump or pulse		·	none	
	Driven by		•		N.A.	
	Air injection	Air distribut	tion			
	injection	(head, man	ifold, etc.)	N.A		
	Point of entry		ry	N.A.		
		Type (contro	olled flow,	-	exhaust back pressure	
	Exhaust	open orifice	, other)	none	controlled flow	
xhaust	Gas	as Exhaust source		N.A	turbine housing outlet, above fland	
mission	Recirc-	Point of exh	naust injection			
ontrol	ulation	(spacer, carburetor,		N.A.	intake manifold	
		manifold, o	ther)			
		Type -			3-way	
	Catalytic	Number of			one	
	Converter	Location(s)			•	
					nder floor	
		Volume [L(i	n. ³)]		1.80 (110)	
	,	Substrate ty	/pe		nonolithic	
		Noble meta	l type	Platinum: Rhodium		
		Noble meta	i			
		concentrati	on (g/cm³)	0.00061:0.00011	0.00061:0.00018	
T	Type (ventilates to atmosphere,		sphere,		.4	
	induction s	ystem, other)		cl <u>osed</u> i	nduction system	
rankcase	Energy sou	Energy source (manifold		-	•	
mission	vacuum, carburetor, other)		er)	intake n	nanifold vacuum	
Control	Discharges	charges (to intake ifold, other)				
	maifold, ot			intake manifold		
	Air inlet (b	reather cap, o	ther)	air cleaner		
vapora-	Vapor vent	ed to (crank-	Fuel tank		canister	
ive emis-	case, canist	ter, other)	Carburetor	N.A.		
ion control	Vapor stora	age provision		canister		
lectronic	Closed loop	yes/no)		yes - hot engine		
ystem	Open loop	(yes/no)		yes	- cold engine	
	xhaust Sy					
Type (single	, single with	cross-over,			single	
lual, other)			·			
	ffler no. & type (reverse flow, straight thru,		one, reverse flow			
parate resonator) Material & mass [kg. (weight lbs.)]		409 stainless steel 5.68 (12.5)				
Resonator n	no. & type			one, str	aight through	
xhaust		., wall thickne			none	
ipe		wall thickness		63.5 × 1.4 (2.50 × 0.055)		
		mass (kg. (we	eight (bs.)]	409 stainless steel 1.98 (4.4)		
ntermed-	o. d., & wai			57.2 × 1.4 (2.25 × 0.055)		
ate pipe		mass (kg. (we	ight (bs.)]	409 stainless steel 7.12 (15.7) (a)		
ail	o. d., & wa			50.8 × 1.1 (2.0 × 0.043)		
ipe	Material &	mass [kg. (we	ight (bs.)]	stainless steel (s	see muffler assembly)	

pipe Material & mass [kg. (weight lbs.)]
(a) includes converter and resonator

METRIC (U.S. Customary)

Engine	Description
Fnaine	Code

Vehicle Line DC	DOGE SPIR	ΙΤ			
Model Year	1990	issue <u>d</u>	9-15-89	Revised (•)	

3.0 L (181.4 in³), EFA

49 States California

409 stainless steel 5.33 (11.80)

one, straight through

N.A.

 $63.5 \times 1.4 (2.5 \times 0.055)$

409 stainless steel 2.39 (5.30)

409 stainless steel 7.89 (17.40) (a)

stainless steel (see muffler assembly)

 $57.2 \times 1.4 (2.25 \times 0.055)$

 $50.8 \times 1.1 (2.0 \times 0.043)$

	Type (air injection, engine			engine modifications,	engine mod's, catalytic converter
.	modificatio	ns, other)		catalytic converter	exhaust gas recirculation
Ī		Pump or pul	se		none
	ľ	Driven by			N.A.
Air	Δir	·Air distribut	ion		
	injection	(head, mani	fold, etc.)	N.A.	
		Point of enti	у		N.A.
		Type (contro	olled flow,		exhaust back pressure
1	Exhaust	open orifice		none	controlled flow
xhaust	Gas	Exhaust sou	rce	N.A.	exhaust manifold
Emission Control	Recirc- ulation	Point of exh (spacer, cart manifold, or	•	N.A.	intake manifold
		Type			3-way
	Catalytic	Number of		·	one
	Converter			under floor	
		Volume [L(in.3)]		2.13 (130)	
		Substrate type		monolithic	
		Nobie metal type		Platinum: Rhodium	
		Noble meta			
		concentration	on (g/cm³)	0.00061:0.00009	0.00061:0.00018
	Type (vent	lates to atmos			
	• •	ystem, other)	`	closed induction system	
Crankcase		rce (manifold			
Emission		irburetor, othe	er)	intake manifold vacuum	
Control	Discharges				
	maifold, of	•		intake manifold	
-	Air inlet (b	reather cap, o	ther)	air cleaner	
Evapora-	_	ted to (crank-			canister
tive emis-	case, canis	ter, other)	Carburetor		N.A.
sion control	Vapor stor	age provision		canister	
Electronic	Closed loo	p (yes/no)			hot engine
system	Open loop	(yes/no)		yes - cold engine	
Engine - E	whatet St	ıstem		···	
Type (single					single
dual, other)		•			
Muffler no.	no. & type (reverse flow, straight thru,			one, re	everse flow,

(a) includes converter and resonator

Resonator no. & type

Exhaust

Intermed-

iate pipe

Tail

separate resonator) Material & mass (kg. (weight lbs.)]

Branch o. d., wall thickness

Material & mass [kg. (weight lbs.)]

Material & mass [kg. (weight lbs.)]

Material & mass [kg. (weight lbs.)]

Main o. d. ,wall thickness

o.d., & wall thickness

o. d., & wall thickness

METRIC (U.S. Customary)

Vehicle Line	ne DODGE SPIRIT			
Model Year	1990	Issued 9-15-89	Revised(•)	

Engine Description
Engine Code

2.5L (153.0 in³) / EFI EDM 2.5L (153.0 in³) / TURBO I, SMPI EDT

Transmissions/Transaxle (Std., Opt., N.A Manual 3-speed (manufacturer/country)		N.A.	
Manual 4-speed (manufacturer/country)		N.A	,
Manual 5-speed manufacturer/country)		Std./Chrysler New Process Gear/L	J.\$.
Automatic (manufacturer/country)		Opt./Chrysler/U.S.	
Automatic overdrive (manufacturer/country)		N.A.	
/Janual 1	Transmission/Transaxle		
lumber of	forward speeds	<u> </u>	
	1st	3.29	
	2nd	2.08	
	3rd	1.45	
iear	4th	1.04	
atios	5th_	0.72	
	Reverse	3.14	
ynchrono	us meshing (specify gears)	All Forward Gears	
hift lever	location	Floor	
rans, case	mat'l. & mass kg.(lbs.)*	46.36 (102.0) 380 Aluminum D	ie Cast
ubricant Capacity [L (pt.)]		2.1 (4.3)	
	Type recommended	API SF/CC SAE 5W-30	
· -		· · · · · · · · · · · · · · · · · · ·	
Clutch (N	Manual Transmission)		
lutch mar	nufacturer	Fichtel & Sachs	
lutch mar lutch type	nufacturer e (dry, wet; single,multiple disc)	Dry Disc, single	
lutch mar lutch type inkage (h	nufacturer e (dry, wet; single, multiple disc) ydraulic, cable, rod, lever, other)	Dry Disc, single Cable	16 (26)
lutch mar lutch type inkage (h Max. peda	nufacturer e (dry, wet; single, multiple disc) ydraulic, cable, rod, lever, other) I effort (nom. Depressed**	Dry Disc, single Cable 100 (23) 1	16 (26)
lutch mar lutch type inkage (h Vax. peda pring loac	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released***	Dry Disc, single Cable 100 (23) 1 112 (25) 1	16 (26) 25 (28)
lutch mar lutch type inkage (h Max. peda pring load Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal)	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None	
lutch mar lutch type inkage (h Max. peda pring loac Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville	25 (28)
lutch mar lutch type inkage (h Max. peda pring loac Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.)	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 575	
lutch mar lutch type inkage (h Max. peda pring loac Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 579 Valeo F-202	25 (28)
lutch mar lutch type inkage (h Max. peda pring loac Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven	25 (28)
lutch mar lutch type inkage (h Max. peda pring loac Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven 8	25 (28)
lutch mar lutch type inkage (h Max. peda pring loac Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal)	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven 8 228 x 150 (8.98 x 5.91)	25 (28)
lutch mar lutch type inkage (h Max. peda pring loac Assist (spri	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)]****	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven 8	25 (28)
Clutch mar Clutch type Linkage (h Max. peda pring load Assist (sprin Type press Total sprin	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)]**** Thickness (pressure plate side/	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven 8 228 x 150 (8.98 x 5.91) . 463.13 (71.8) .	25 (28)
Jutch mar Jutch type Jinkage (h Max. peda Ipring load Assist (sprin Type press Total sprin	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)]**** Thickness (pressure plate side/ fly wheel side)	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven 8 228 x 150 (8.98 x 5.91)	25 (28)
Clutch mar Clutch type Linkage (h Max. peda pring load Assist (sprin Type press Total sprin	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)]**** Thickness (pressure plate side/ fly wheel side) Rivet depth (pressure plate side/	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven 8 228 x 150 (8.98 x 5.91) . 463.13 (71.8) 3.4/3.4 (0.13/0.13)	25 (28)
Clutch mar Clutch type Linkage (h Max. peda pring load Assist (sprin Type press Total sprin	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)]**** Thickness (pressure plate side/ fly wheel side) Rivet depth (pressure plate side/ fly wheel side)	Dry Disc, single Cable 100 (23)	25 (28)
Clutch mar Clutch type Linkage (h Max. peda pring load Assist (sprin Type press Total sprin Clutch Facing	nufacturer e (dry, wet; single, multiple disc) ydraulic,cable,rod,lever,other) I effort (nom. Depressed** d, new) N (lbs.) Released*** ng, power/percent, nominal) ure plate springs g load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)]**** Thickness (pressure plate side/ fly wheel side) Rivet depth (pressure plate side/	Dry Disc, single Cable 100 (23) 1 112 (25) 1 None Belleville 4700 (1057) 57! Valeo F-202 Fiberglass, Woven 8 228 x 150 (8.98 x 5.91) . 463.13 (71.8) 3.4/3.4 (0.13/0.13)	25 (28)

^{*} Dry weight, includes shift linkage

^{**} Hold down effort

^{***} Maximum effort at clutch release point of travel.

^{****} Includes both clutch facings.

METRIC (U.S. Customary)

Vehicle Line	DODGE SE	PIRIT		
Model Year	1990	Issued 9-15-89	Revised(*)	

Engine Description Engine Code		3.0 L (181.4 in3), MPI EFA
Tran <u>smi</u>	ssions/Transaxle (Std., Opt., N	.A.)
	speed (manufacturer/country)	<u>N.A.</u>
	speed (manufacturer/country)	N.A.
Manual 5-speed manufacturer/country)		N.A.
	c (manufacturer/country)	N.A.
Automatic overdrive (manufacturer/country)		Opt. / Chrysler / United States
Manuai	Transmission/Transaxle	
	f forward speeds	
	1st	
	2nd	
	3rd	
Gear	4th	
ratios	5th	
	Reverse	
Synchron	ous meshing (specify gears)	
	r location	
Trans. cas	e mat'l. & mass kg.(lbs.)*	
	Capacity [L (pt.)]	
Lubricant		
	The second second	
	Manual Transmission)	
	anufacturer	
Clutch tvi		l
	pe (dry, wet; single,multiple disc)	
Linkage (hydraulic,cable,rod,lever,other)	
Linkage (Max. ped	hydraulic,cable,rod,lever,other) al effort (nom. Depressed	
Linkage (Max. ped spring loa	hydraulic,cable,rod,lever,other) lal effort (nom. Depressed Released	
Linkage (Max. ped spring los Assist (spi	hydraulic,cable,rod,lever,other) lal effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal)	
Linkage (Max. ped spring los Assist (sp Type pres	hydraulic,cable,rod,lever,other) al effort (nom. Depressed Released ring, power/percent, nominal) ssure plate springs	
Linkage (Max. ped spring los Assist (sp Type pres	hydraulic,cable,rod,lever,other) al effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.)	
Linkage (Max. ped spring los Assist (sp Type pres	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding	
Linkage (Max. ped spring los Assist (sp Type pres	hydraulic,cable,rod,lever,other) al effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction	
Linkage (Max. ped spring los Assist (sp Type pres	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing	
Linkage (Max. ped spring los Assist (sp Type pres	hydraulic,cable,rod,lever,other) al effort (nom. ad, new) N (lbs.) ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal)	
Linkage (Max. ped spring los Assist (sp Type pres Total spri	hydraulic,cable,rod,lever,other) al effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area (cm² (in²))	
Linkage (Max. ped spring los Assist (sp. Type pres Total spring los Clutch	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)] Thickness (pressure plate side/	
Linkage (Max. ped spring los Assist (sp Type pres	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)] Thickness (pressure plate side/ fly wheel side)	
Linkage (Max. ped spring los Assist (sp. Type pres Total spring los Clutch	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)) Thickness (pressure plate side/ fly wheel side) Rivet depth (pressure plate side/	
Linkage (Max. ped spring los Assist (sp. Type pres Total spri	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)] Thickness (pressure plate side/ fly wheel side) Rivet depth (pressure plate side/ fly wheel side)	
Linkage (Max. ped spring los Assist (spi Type pres Total spri	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)) Thickness (pressure plate side/ fly wheel side) Rivet depth (pressure plate side/ fly wheel side) Engagement cushion method	
Linkage (Max. ped spring los Assist (spi Type pres Total spri Clutch facing	hydraulic,cable,rod,lever,other) all effort (nom. Depressed ad, new) N (lbs.) Released ring, power/percent, nominal) ssure plate springs ing load (nominal, new) N (lbs.) Facing mfgr. & material coding Facing material & construction Rivets per facing Outside x inside dia. (nominal) Total eff. area [cm² (in²)] Thickness (pressure plate side/ fly wheel side) Rivet depth (pressure plate side/ fly wheel side)	

METRIC (U.S. Customary)

 Vehicle Line
 DODGE SPIRIT

 Model Year
 1990

 Issued
 9-15-89

 Revised (●)

Engine	Description
Èngine	Code

2.5L (153.0 in.3) SMPI Turbo EDT 2.5L (153.0 in.3) EFI EDM

Trade name		Torqueflite		
Type and special features (describe)			planetary gear transmission axis final drive	
.) pc 0p.		Non-lock up torque converter	electronic lock up torque converter	
Gear	Location (column, floor, other)	Floor or col	umn mounted	
elector	Ltr./No. designation (e.g. PRND21)	PR	ND21	
	Shift interlock (yes, no, describe)	No		
	1st		2.69	
Gear	2nd		1.55	
ratios	3rd		1.00	
-	4th		**	
	Reverse		2.10	
Max. upshift	speed - drive range [km/h (mph)]	129 (80)	113 (70)	
Max. kickdo	wn speed - drive range [km/h (mph)]	119 (74)	105 (65)	
Min. overdr	ve speed [km/h (mph)]		••	
	Number of elements	T	hree	
Torque	Max. ratio at stall	2.00	2.15	
converter	Type of cooling (air, liquid)	L	iquid	
	Nominal diameter	24	1 (9.5)	
	Capacity factor "K"	260	210	
Lubricant	Capacity [refill L (pt.)]	8.40 (17.75) - torque converte	r, transmission and differential	
	Type recommended	Mopar ATF Plus (Auto trans. fluid - Type 7176) (a)		
Oil cooler (s	td,opt,n.a.,internal,external,air,liquid)	Std liquid, in radiator		
Transmission case material & mass [kg. (lbs.)]**		Die cast aluminum - 57.50 (126.5) (b)		
	eel / 4 Wheel Drive		<u> </u>	
	& type (part-time, full-time, 2/4 shift			
	ng, mechanisal, elect., chàin/gear, etc.)			
Transfer	Manufacturer and model			
case	Type and location			
Low - range	gear ratio			
				

System disconnect (describe)

Center differential

viscous bias, torsen, etc.)
Torque split (% front/rear)

Type (bevel, planetary, w or w/o

^{*} Input speed ÷ √ torque

^{**} Dry weight including torque converter. If other specify.

⁽a) Dexron II ATF may be used, only if Mopar ATF is not available.

⁽b) Dry weight, includes shift linkage

Vehicle Line DODGE SPIRIT

Model Year 1990 Issued 9-15-89 Revised (•)

METRIC (U.S. Customary)

Engine Description Engine Code 3.0L (181.0 in.3) MPI EFA

frade name		Ultradrive		
Type and special features (describe)		Electronically-operated, 4 speed overdrive, planetary gear transmission with lock-up torque converter and parellel axis final drive		
Gear	Location (column, floor, other)	Steering column		
elector	Ltr./No. designation (e.g. PRND21)	P-R-N-OD-D-L		
	Shift interlock (yes, no, describe)	No		
	1st	2.84		
Gear	2nd	1.57		
ratios	3rd	1.00 0.69		
	4th			
		2.21		
	Reverse speed - drive range [km/h (mph)]	131 (81)		
Max. kickdo	speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)]			
Max. kickdo	wn speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)] ive speed [km/h (mph)]	131 (81) 120 (75)		
Max. kickdo Min. overdri	wn speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)] ive speed [km/h (mph)] Number of elements	131 (81) 120 (75) 40 (25)		
Max. kickdo Min. overdri Torque	wn speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)] ive speed [km/h (mph)] Number of elements Max. ratio at stall	131 (81) 120 (75) 40 (25) Three 2.00 : 1 Liquid		
Max. kickdo Min. overdri Torque	wn speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)] ive speed [km/h (mph)] Number of elements	131 (81) 120 (75) 40 (25) Three 2.00 : 1 Liquid 241 (9.5)		
Max. kickdo Min. overdri Torque	is speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)] ive speed [km/h (mph)] Number of elements Max. ratio at stall Type of cooling (air, liquid) Nominal diameter	131 (81) 120 (75) 40 (25) Three 2.00 : 1 Liquid 241 (9.5)		
Max. kickdo Min. overdri	wn speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)] ive speed [km/h (mph)] Number of elements Max. ratio at stall Type of cooling (air, liquid)	131 (81) 120 (75) 40 (25) Three 2.00 : 1 Liquid 241 (9.5) 200 8.64 (18.25) - Torque converter, Transmission and Differential		
Max. kickdo Min. overdri Torque converter	ve speed - drive range [km/h (mph)] ve speed [km/h (mph)] Number of elements Max. ratio at stall Type of cooling (air, liquid) Nominal diameter Capacity factor "K"	131 (81) 120 (75) 40 (25) Three 2.00 : 1 Liquid 241 (9.5) 200 8.64 (18.25) - Torque converter, Transmission and Differential Mopar ATF Plus (Auto trans. fluid - Type 7176) (a)		
Max, kickdo Min. overdri Torque converter Lubricant	is speed - drive range [km/h (mph)] wn speed - drive range [km/h (mph)] ive speed [km/h (mph)] Number of elements Max. ratio at stall Type of cooling (air, liquid) Nominal diameter Capacity factor "K" Capacity [refill L (pt.)]	131 (81) 120 (75) 40 (25) Three 2.00 : 1 Liquid 241 (9.5) 200 8.64 (18.25) - Torque converter, Transmission and Differential		

differential	viscous bias, torsen, etc.)

* input speed + $\sqrt{\text{torque}}$

Low - range gear ratio

System disconnect (describe)

Transfer

Center

case

Torque split (% front/rear)

Type (bevel, planetary, w or w/o

Manufacturer and model

Type and location

^{**} Dry weight including torque converter. If other specify.

⁽a) Dexron II ATF may be used, only if Mopar ATF is not available.

⁽b) Dry weight, includes shift linkage

METRIC (U.S. Customary)

Vehicle Line DODGE SPIRIT

A CHICLE CHILL		****			
Model Year	1990	Issued	9-15-89	Revised (•)	

Engine Description
Engine Code

3.0L (181	in3)
MPI, EF	Α

2.5L (153.0 in³) EFI, EDM

Axle Ratio and Tooth Combinations (see 'Power Teams' for axle ratio usage)

Effective	final drive r	atio (or overall top gear ratio)	2.36	3.02 (auto.)	2.51 (man.)
Transfer ratio and method (chain, gear, etc.)			0.91, gear	1.06, gear	N.A
Front	Ring gea		194.3 (7.65)	184.56 (7.26)	197.5(7.77)
drive	No. of	Pinion	16	21	21
unit	teeth	Ring gear.	60	60	49

Ø Front Drive Unit

Description (integral to trans., etc.)			Integral with transmission		
imited slip differential (type)		ial (type)	N.A		
Drive pinion		Туре	Helical		
		Offset	èu		
No. of diffe	No. of differential pinions		Two		
Pinion / differential		Adjustment (shim, etc.)	**		
		Bearing adjustment	Shim		
Driving who	el bearin		See Wheel Spindle Hub, p. 14		
Lubricant		y[L (pt.)]	See transaxie		
	Type recommended .		See transaxle		
·					

Ø Axle Shafts - Front Wheel Drive

Manufacturer and number used				Two		
Type (straight, solid bar, tubular, etc.) Left_			Left	Solid bar		
	Right		Right	Tube		
Outer	Manualt	ransaxle	Left	N.A	(a) Page 108	
diam. x	<u> </u>		Right	N.A.	(b) (c) Page 10B	
length* x	Automat	ic transaxle	Left	(d) Page 10B	(a) Page 10B .	
wall			Right	(b) Page 10B	(b) (c) Page 10B	
thickness	Optional	transaxle	Left			
	}		Right			
	Туре					
Slip						
yoke	Number of teeth					
						
	Spline o.	Spline o.d.				
	Make and mfg. no. Inner		loner	GKN-EUR: G182 or SSG: #19		
			Outer	GKN-EUR: 98 LAC or SSG: #23		
	Number	used		Two		
Universal	Type, siz	e, plunge	Inner	Tripod plunge		
joints		•	Outer	Rzeppa - fixed		
:	Attach (u-bolt, clamp, etc.)			<u>.</u>	
		Type (plain,				
	Bearing	anti-friction)				
		Lubrication		Prepack		
	(fitting, prepack)					
Drive taker	through (torque tube,				
arms or spr	ings)					
Torque tak	en through	(torque tube,				
arms or spr	ings)				<u> </u>	

^{*} Centerline to centerline of universal joints, or to centerline of attachment.

Vehicle Line DODGE SPIRIT

A CHICLE CHIC M					
Model Year	1990	Issued	9-15-89	Revised (●)	

Tube

METRIC (U.S. Customary)

Engine	Description
F	Fada

2.5L (153.0 in³) Turbo I, EDT

Effective fin	al drive r	atio (or overall top gear ratio)	2.51 (manual trans.)	3.02 (auto. trans.
Transfer ratio and method (chain, gear, etc.)			N.A.	1.06, gear
	Ring ge		197.46 (7.77)	184.5 (7.26)
drive	No. of	Pinion	14	21
unit	teeth	Ring gear	49	60

(integral to trans., etc.)	Integral with transmission	
differential (type)	N.A.	
Туре	Helical	
Offset	99	
rential pinions	Two	
erential Adjustment (shim, etc.)	••	
Bearing adjustment	Shim	
eel bearing (type)	See Wheel Spindle Hub, p. 14	
	. See transaxle	
Type recommended	See transaxle	
Capacity[L (pt.)] Type recommended		

Manufacturer and number used Type (straight, solid bar, tubular, etc.) Right Outer Manual transaxie Left Giphe Giphe Manual transaxie Left Manual transaxie Left Manual transaxie Left Manual transaxie Left Manual transaxie

diam. x	Right		(d) Page 108			
length* x	Automatic transaxle		Left	N.A.	(d) Page 10B	
wall		•	Right	N.A.	(b) Page 10B	
thickness	Optional	i transaxie	Left			
	 `.		Right	-		
	Туре			-	•	
Slip	Alumbor	of tooth				
yoke	Number of teeth					
	Spline o.d.			-	•	
	Make and mfg. no. Inner Outer		Inner	GKN-EUR: G182 or SSG: #19		
			Outer	GKN-EUR: 98 LAC or SSG: #23		
	Number used		•	Two		
Universal	Type, siz	e, plunge	inner	Tripod plunge		
joints	' -	Ou		Rzeppa - fixed		
•	Attach (t	Attach (u-bolt, clamp, etc.)		-	-	
	Type (plain, Bearing anti-friction)		•		•	
	I nearing a					

arms or springs)

* Centerline to centerline of universal joints, or to centerline of attachment.

Lubrication

Drive taken through (torque tube,

Torque taken through (torque tube,

(fitting, prepack)

Prepack

arms or springs)

METRIC (U.S. Customary)

Vehicle Line [ODGE SP	IRIT		·	
Model Year	1990	Issued	9-15-89	Revised (•)	

(a) GKN-EUR: 22.9 x 331.4 (0.90 x 13.05) or SSG: 23.9 x 327.5 (0.94 x 12.98) or GKN-EUR: 22.9 x 325.9 (0.94 x 12.83)

(b) GKN-EUR: 40.5 x 591.6 (1.59 x 23.3) or SSG: 38.0 x 591.1 (1.50 x 23.27)

(c) GKN-EUR: 40.5 x 597.6 (1.59 x 23.5)

(d) GKN-EUR: 25.0 x 325.9 (0.98 x 12.83) or SSG: 23.9 x 327.5 (0.94 x 12.98)

Vehicle Line DODGE SPIRIT

METRIC (U.S. Customary)

9-15-89 Model Year 1990

Revised (*)

Body Type	Standard	Limited Production Optional
	Firm Ride and Handling - SDC	Precision Feel - SDA

Suspension - General Standard / optional / not avail. Manual / automatic control Type (air / hydraulic) Car Primary / assist spring Rear only / 4 wheel leveling leveling Single / dual rate spring Single / dual ride heights Provision for jacking Standard / optional / not avail. Manual / automatic control Shock Number of damping rates absorber Type of actuation (manual/ electric motor / air, etc.) damping controls sensors Lateral acceleration Deceleration Acciereration Road surface Gas charged - Hydraulic Shock Type Monroe Make absorber Rr.: 25.4 (1.0) Rr. 30.2 (1.19) Frt.: 32 (1.26) Frt. 32 (1.26) Piston diameter (front & Front: 20 (0.79) Rear: 12.7 (0.50) rear) Rod diameter

Suspension - Front

Type & desc	cription -	Iso- strut		
Travel*	Full jounce	64.8 (2.55)	71.1 (2.80)	
''ave'	Full rebound	108.4 (4.27)	102.1 (4.02)	
	Type (coil, leaf, other) & material	Coil, AISI 516		
	Insulators (type & material)	Compression: Rubber		
Spring	Size (coil design height & i.d.,	216 x 152 1.D. (8.5 x 6.0 1.D.)		
. •	bar length x dia.)			
	Spring rate [N/mm (lb./in.)]		16.6 (95)	
	Rate at wheel (N/mm (lb./in.))	20.1 ((115)	
Stabilizer	izer Type (link linkless, frameless) Linkless		· · · · · · · · · · · · · · · · · · ·	
	Material & bar diameter	AISI 1090 Spring	steel 27.0 (1.06)	

Suspensi	on - Rea	ar	
Type & desc	ription		Trailing flex-arm with track bar
Travel*	Full jou	nce	62 (2.44)
.,,,,,	Full reb		130 (5.11)
		oil, leaf, other) & material	Coil: AISI 5160 H Chromium steel
	Size (length x width, coil design height & i.d., bar length & dia.)		229 x 102 I.D. (9.0 x 4.01)
Spring			33 (190)
Jp,g		wheel [N/mm (lb./in.)]	21 (118)
		ors (type & material)	Compression: Rubber
	If	No. of leaves	••
	leaf	Shackle (comp. or tens.)	••
Stabilizer	zer Type (link, linkless, frameless) Material & bar diameter		Frameless ERW tube
3(\$\$11.20.			80 ksi HSLA steel 28.6 O.D. (1.13)
Track bar (1		ar a der didirioter	Channel

^{*} Define load condition: Passenger Seating - 2 Front - 3 Rear - Full tank of gas

METRIC (U.S. Customary)

Vehicle Line_	DODGE SP	IRIT			
Model Year	1990	Issued	9-15-89	Revised (●)	

Body Type And / Or **Engine Displacement**

Standard		
	•	

ngine Dist	placement			-			
rakes - :			<u> </u>				
escription	1				Four-wheel hydraulic-actuated system		
anufactu	rer and	Front (c	disc or drum)		Disc		
•	(std., opt., n.a	.) Rear (d	isc or drum)		Drum		
	e (proportion		ering, other)		Dual proportioning valve		
	ke (std., opt., n				Standard		
	e (remote, int		hyd., etc.)		Vacuum, tandem		
	Source (inlin			· ····································	intake manifold orThrottle body base		
cuum	Reservoir (v				**		
			driven, belt driven)				
action	Operationa						
ntrol			on (electronic, mecl	h.)			
	Front/rear (
	Manufactur						
nti-lock	Type (electr		.)				
evice	Number ser		·				
			aulic circuits				
	Integral or a						
	Yaw contro						
	Hydraulic p	ower source	e (elec., vac. mtr., pv	wr. strg.)			
ffective a	rea (cm²(in.²)]				F: 155.6 (24.12) / R: 362.16 (56.19)		
	g area (cm²(in		· ·		F: 180.8 (28.02) / R: 346.76 (53.75)		
	a [cm²(in.²)]**				F: 1385 (214.7) / R: 549.46 (85.17)		
	Outer work		er	F/R	F: 256.0 (10.08) / R: N.A.		
otor	Inner worki			F/R	F: 160.0 (6.30) / R: N.A.		
• • • • • • • • • • • • • • • • • • • •	Thickness			F/R	F: 24.0 (0.945) / R: N.A.		
		pe (vented/	e (vented/solid) F/R		F: damped cast iron, vented / R: N.A.		
rum	Diameter 8		<u> </u>	F/R	F: N.A. / R: 220 (8.66) × 44.26 (1.74)		
	Type & Mat			F/R ·	R: Cast composite		
Vheel cyli	nder bore	-			F: 54 (2.13); R: 15.87 (0.625)		
laster cyl		Bore/s	troke	F/R	22.2 (0.875) × 32.79 (1.291)		
edal arc r					3.28 : 1		
ne pressi	ure at 445 N(10	00lb.) pedal	load (kPa (psi)]		Power: 9584 (1390)		
ining clea				F/R	No major adjustment		
	T	Bonde	d or riveted (rivets/	seg.)	Riveted, 6 / shoe		
		Rivets		-	3.57 (0.14) dia. × 7.57 (0.3)		
		Manuf	facturer		Bendix		
	Front	Lining	code *****		BX-JD-EE		
	Wheel	Mater			Molded metallic		
		****	Primary or outbo	ard 1	136.6 × 47 × 12.1 (5.38 × 1.85 × 0.48)		
		Size	Secondary or inbo		126.0 × 47 × 13.1 (4.96 × 1.85 × 0.52)		
rake			hickness (no lining)		Outer: 4.83 (0.190) ; inner: 5.68 (0.224)		
ning			d or riveted (rivets/		Riveted, 10 / shoe		
	ļ		facturer		Bendix		
	Rear		code *****		BX-MO-FF		
	1	Mater		·	Rolled asbestos		
Wheel		****		ard	226.35 × 40.0 × 6.65 (8.91 × 1.575 × 0.262)		
		Fillingly of Outboard					
		Size	Secondary or inbo	pard	$226.35 \times 40.0 \times 6.65 (8.91 \times 1.575 \times 0.262)$		

^{*} Excludes rivet holes, grooves, chamfers, etc.

** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)

(Disc brake: Square of Outer Working Dia. minus Square of Inner Working Dia. multiplied by Pi/2 for each brake.)

**** Size for drum brakes includes length x width x thickness.

***** Manufacturer I.D., catalog or formulation designation & coefficient of friction classification.

Vehicle Line ____DODGE SPIRIT

METRIC (U.S. Customary)

(describe)

Model Year 1990 Issued 9-15-89 Revised (*)

under cargo area

Body Type And/Or Spirit & Spirit LE Spirit ES
Engine Displacement

Tires And Wheels (Standard) P205/60 R 15, SL P195/70 R14, SL Size (load range, ply) Steel radial Type (bias. radial, steel, nylon, etc.) Front [kPa (psi)] Inflation pres-220 (32) sure (cold) for Tires recommended Rear [kPa (psi)] 220 (32) max, vehicle load 846 843 Rev./mile - at 70 km/h (45 mph) Cast aluminum Steel disc Type & material 15 x 6.0 JJ 14 x 5.5 JJ Rim (size & flange type) 40 (1.6) Wheel offset Wheels Stud Type (bolt or stud) 100 (3.94) Attachment Circle diameter 5 - M12 x 1.5 Number & size T125/70 D 14 Compact Spare Tire and wheel 14 x 4.0 T Steel disc wheel Spare Horizontal - On rear floor pan Storage position & location

Tires And Wheels (Optional) P205/60 R 15, SL Tire size (load, range, ply) Steel radial Type (bias, radial, steel, nylon, etc.) **Cast Aluminum** Wheel (type & material) 14 x 6.0 JJ - 40 mm (1.6 in) Rim (size, flange, type and offset) Tire size (load, range, ply) Type (bias, radial, steel, nylon, etc.) Cast Aluminum Wheel (type & material) 15 x 6.0 JJ - 40 mm (1.6 in) Rim (size, flange type and offset) Tire size (load range, ply) Type (bias, radial, steel, nylon, etc.) Wheel (type & material) Rim (size, flange type and offset) Tire size (load range, ply) Type (bias, radial, steel, nylon, etc.) Wheel (type & material) Rim (size, flange type and offset) Spare tire and wheel (size) Matching spare (If configuration is different than road tire or Horizontal, on rear floor pan wheel, describe optional spare tire and/or under cargo area wheel location & storage position)

Brakes - Parking

Blakes - Felking				
Type of conti	e of control Foot operated-apply / Hand release			
Location of c	1 to a sold a soul of the solution of course sold			
Operates on		Rear service brake - Drum		
If separate	Type (internal or external)	••		
	Drum diameter	**		
brakes	Lining size (length x	-		
	width x thickness)	••		

⁽a) With AKG (Fleet) Package on base Spirit only

⁽b) With SDC (Sport Handling) only

METRIC (U.S. Customary)

Vehicle Line	DODGE	SPIRIT			
Model Year	1990	Issued	9-15-89	Revised(*)	

Body Type An Engine Displa				185 & 195 Width Tires	185 & 195 WidthTires (With 4 Sp. Auto. Trans.)	205 Width Tires		
Steering								
Manual (std.,	opt., n.a.)				<u>N.A.</u>			
Power Steerin	ig (std., opt	., n.a.)			Std.			
Adjustable	ļ	Туре -			Tilt			
steering whee	steering wheel column Manufacturer		<u>r</u>	·	Acustar			
(tilt, telescope	e, other)	(Std., opt., n.a	a.)		Opt.			
Wheel diameter** Manual				N.A				
(W9) SAE J110	000	Power			381 (15.0)			
Turning	Outside Wall to wall (l. & r.)		l. & r.)	<u> </u>				
diameter	front	Curb to curb	(l. & r.)	11.5 (37.6)	11.5(37.6)L; 12.2(40.0)R	12.2(40.0)L; 12.7(41.6)R		
m (ft.)	Inside	Wall to wall (l. & r.)					
	rear	ear Curb to curb (t. & r.)		<u></u>				
Scrub Radius	,				9.4 (-0.37)			
-	Туре							
Manual	Gear	Manufacture	r					
		Ratios	Gear					
			Overall			<u> </u>		
	No. whee	turns (stop to	stop)		· · · · · · · · · · · · · · · · · · ·			
	Type (coa	xial, elec., hyd.	, etc.)	Integral power				
	Manufact	urer		•	T.R.W.			
Power		Туре		Rack & pinion				
	Gear	Ratios	Gear	52.3 mm / Rev.				
			Overall		14.2:1			
	Pump (dri	ive)			Pulley & belt off cranksha			
	no.whee	turns (stop to	stop)	2.4	2.3	2.2		
	Туре			Rack & Pinion (Rod & Ball directly attached to gear)				
Linkage -		ocation (front or rear f wheels, other)		Rear of wheels				
Tie rods (one ar two)		Two (Integral with rack & pinion assembly)						
Inclination at camber (deg.)		13.3° @ .3°						
Steering	Bearings	Upper	·		Ball bearing			
axis (type) Lower				Ball joint				
Thrust				Ball bearing				
Steering spin	dle & joint	type			iso strut with lower ball jo			
		Inner bearin	g	76 / 42 (3.	.0 / 1.65) dia. : 37 / 40 (1.40	5 / 1.57) wide		
Wheel		Outer bearing	ng					
spindle/hub	Thread (s	ize)			M22 x 1.5			
	Bearing (type)] . D	Double-row angular-contact ball			

^{*}The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

^{**}See page 21

METRIC (U.S. Customary)

DODGE SPIRIT Vehicle Line

Model Year 1990 Issued 9-15-89 Revised (•)

Body Type And/Or Engine Displacement

All

	Service	Caster (deg.)			
	checking	Camber (deq.)	-0.2° - + 0.8°		
	J	Toe-in (outside track - mm(in))	0.4° Toe-in to 0.2° Toe-out (a)		
Front	Service	Caster	Not adjustable; Ref. 1.2°; Max. side to side differential 1.5°		
wheel at	reset*	Camber	+ 0.3° to <u>+</u> 0.3°		
curb mass		Toe-in	0.1° toe-in ± 0.1° (a)		
(wt.)	Periodic	Caster	Same as Service Checking		
(11 11)	M.V. in-	Camber	44		
	spection	Toe-in			
	Service	Camber (deg.)	-1.3° to + 0.3°		
Rear	checking	Toe-in [outside track - mm(in)]	0.6° Toe-out to 0.6° Toe-in (a)		
wheel at	Service	Camber	-0.5° ± 0.8° (Shim)		
curb mass	reset*	Toe-in	.0° ± 0.6° (shim) (a)		
(wt.)	Periodic M.V.		Same as Service Checking		
(44 C.)	inspection	Toe-in			

^{*}Indicates pre-set, adjustable, trend set or other

Flectrical -	Instruments and Equipment	Standard Cluster	With Tachometer	
peed-	Type (Analog, digital, std., opt.)	Electric/Analog		
ometer	Trip odometer (std., opt., n.a.)		Std.	
	ance indicator			
Charge	Туре		/oltmeter	
ndicator.	Warning device (light, audible)	N.A.	Light (Check gages)	
Temp.	Туре	Ma	gnetic gage	
ndicator	Warning device (light, audible)	N.A.	Light (Check gages)	
Oil pressure	Туре	N.A.	Magnetic gage	
ndicator	Warning device (light, audible)	Light (ISO symbol)		
Fuel	Туре	Magnetic gage		
ndicator	Warning device (light, audible)	Light (ISO symbol)		
Wind-	Type (standard)	Electric 2 spe	ed, intermittent wipe	
shield	Type (optional)		NA	
wiper	Blade length		457 (18)	
	Swept area [cm² (in²)]		4.91 (924.56)	
Wind-	Type (standard)	Electric with	arm mounted nozzles	
shield	Type (optional)		NA	
washer	Fluid level indicator (light, audible)	Light (ISO syn	nbol) - opt. H; std. P, X	
	wiper, wiper/washer (std., opt., n.a.)		N.A	
Horn	Туре		Seashell	
	Number used	1 (low no	ote) - std.; 2 - opt.	

⁽a) Measurements in degrees, not inches

METRIC (U.S. Customary)

Vehicle Line DODGE SPIRIT

Model Year 1990 Issued 9-15-89 Revised(*)

Engine Description Engine Code		3.0L (181.4in ³) MPI EFA	2.5L (153.0in ³) TBI-EFI EDM				
Electrical	- Supply System		·				
Manufacturer		GNB, Delco, Exid	le, Johnson controls				
	Model, std., (opt.)		GRP 34				
	Voltage	12V					
Battery	Amps at 0°F cold crank		500				
	Minutes-reserve capacity		110				
	Amp/hrs, - 20 hr. rate	·					
	Location		of engine compartment				
	Manufacturer	Nippondenso	Nippondenso Bosch				
	Rating (idle/max.rpm)	90 HS	90 HS 90RS				
Alternator	Ratio (alt. crank/rev.)	2.75:1	2.60 : 1 2.53 : 1				
	Output at idle (rpm, park)	4	IO Amp				
	Optional (type & rating)						
Regulator	Туре	Engine co	ntrol computer				
Electrical	- Starting System						
	Manufacturer	Nippondenso Bosch	Bosch				
Motor ·	Current drain at 0 °F	150 - 200 A	175 - 225 A				
	Power [kW (hp)]	1.4 (1.9) 1.1 (1.475)	1.1 (1.475)				
Viotor	Engagement type	So	lenoid shift				
drive	Pinion engages		Front				
	from (front, rear)						
El <u>ect</u> rical	- Ignition System						
Туре	Electronic (std., opt., n.a.)		N.A				
	Other (specify)	Engine control computer w/ electronic spark advance					
	Manufacturer	MMC	UTC/Prestolite/Diamond				
Coil	Model	MD141044	5226865 / 5227372 / 5227252				
;	Current Engine stopped - A	0.0 A	0.0 A				
	Engine idling - A	5.0 A	1.9 A				
	Manufacturer	Champion NGK	Champion				
	Model	RN11YC4 BPR5ES - 11	RN 12 YC				
park	Thread (mm)		14 mm				
plug	Tightening torque [N•m (lb-ft)]		28 (20)				
	Gap	1 - 1.1 (.039044)	0.9 (0.035)				
Number per cylinder			One				
Distributor		MMC	Chrysler				
	Model	MD116211 (Chrysler# 4439211)	5226575				
Flectrical	Suppression						
<u>Liecuital</u>		Resistor spark plugs, Resistance ign	ition wire, Capacitor-Alternator.				
Locations & type		Blower motor; Diode-A/C Clutch, H Starter relay, Power antenna relay; Engine mount, A/C Evaporator Valv speaker option	orn relay; Internal fuel pump filter; Ground cable - Engine to dash				

METRIC (U.S. Customary)

Vehicle Line	DODGE SPI	RIT			
Model Year	1990	Issued	9-15-89	Revised(•)	

	· _						
Engine Desc	ription	2.5 L (153.0in ³) SMPI Turbo					
Engine Code	·	EDT					
	L						
Electrical	- Supply System						
LICE III	Manufacturer	Delco, Exide, GNB, Johnson Controls					
	Model, std., (opt.)	GRP 34					
	Voitage	12V					
Battery	Amps at 0°F cold crank	500					
	Minutes-reserve capacity	110					
•	Amp/hrs 20 hr. rate	66					
	Location	Left front corner of engine compartment					
	Manufacturer	Nippondenso Bosch					
	Rating (idle/max.rpm)	90 HS 90RS					
Alternator	Ratio (alt. crank/rev.)	2.60:1 2.53:1					
	Output at idle (rpm, park)	40 A					
	Optional (type & rating)	none Engine control computer					
Regulator	Type	Engine Control Computer					
Electrical	- Starting System	<u> </u>					
Manufacturer		Bosch					
Motor	Current drain at 0 °F	175 - 225 A					
	Power rating (kW (hp))	1,1 (1.475)					
Motor	Engagement type	Solenoid shift					
drive	Pinion engages	Front					
	from (front, rear)						
Eleatrical	- Ignition System						
Type	Electronic (std., opt., n.a.)	N.A.					
1 y pe	Other (specify)	Engine control computer w/ electronic spark advance					
	Manufacturer	UTC Prestolite Diamond					
Coil	Model	5226865 5227372 5227252					
	Current Engine stopped - A	0.0 A					
	Engine idling - A	1.9 A					
-	Manufacturer	Champion					
	Model	RN12YC					
Spark	Thread (mm)	14 mm					
plug	Tightening torque [N=m (lb-ft)]	28 (20)					
	Gap	0.9mm (0.035in.)					
	Number per cylinder	One					
Distributor	Manufacturer	Chrysler					
	Model	5226525					
Flectrical	Suppression						
<u> Lietti ital</u>	1	Resistor spark plugs; Resistance ignition wire; Capacitor - Alternator,					
•	1	Blower motor; Diode - A/C clutch, Horn relay, Internal fuel pump filter,					
Locations &	type	Starter relay; Ground cable - Engine to dash, Engine mount,					
	·	Blocking Diode-Clutch relay					

METRIC (U.S. Customary)

Vehicle Line	DODGE	SPIRIT			
Model Year	1990	Issued	9-15-89	Revised(•)	

Body Type			All
Body			
Structure			"Unibody" unitized construction with bolt on front suspension crossmember
Bumpers front - rea			Front: Urethane fascia, Ultra high strength steel reinforcement w/elastomeric energy absorbers Rear: Urethane fascia, Ultra high strength steel reinforcement w/elastomeric energy absorbers
Anti-corre	osion treatment		Extensive use of galvanized steel Full immersion zinc phosphate conversion coating Full immersion, high build, epoxy cathodic- electrocoat primer Urethane chip resistant primer on lower exterior surfaces
·		· · ·	
Body - I	Miscellaneous Int	ormation	
Type of fi	nish (lacquer, ename	l, other)	Enamel - Universal base coat / Clear coat
	Material & mass		20.3 (44.7)
Hood	Hinge location (fro	nt, rear)	Rear
:	Type (counterbala		Counterbalance
	Release control (in	ternal, external)	Internal
Trunk	Material & mass		13.3 (29.4) Torsion bar - Counterbalance
lid	Type (counterbala		Mechanical cable
		ntrol (elec., mech., n.a.)	WieChariical Cable
Hatch-	Material & mass		
back lid	Type (counterbala)	nce, otner) ntrol (elec., mech., n.a.)	
	Material & mass	na or teres, meen, mo.	
Tailoato	Type (drop, lift, do	or)	
Tailgate		ntrol (elec., mech., n.a.)	
Vent win	dow control (crank,	Front	None
	pivot, power)	Rear	Fixed
	Regulator type	Front	Manual - arm & sector / Electric - arm & sector
	pe, flex, drive, etc.)	Rear	Manual & Electric arm & sector
Seat cush		Front	Bucket - Flex-O-Lator Mat - Std. / 50/50 - Flex-O-Lator Mat - Opt.
	40, bucket, bench,	Rear	Bench - Full Foam
wire, foa	•	3rd seat	
Seat back		Front	Bucket - Formed wire
	40, bucket, bench,	Rear	Bench - Full foam - Std. / 60/40 - Full foam - Opt.(a)
wire, foa		3 rd seat	•

⁽a) 1990 1/2 - Fixed Back-C.A.R. - Std. / Bench-Full Foam - Opt.

Vehicle Line DODGE SPIRIT

IAI A IAIW Shecilicarious	AGUICIG CILLE E	JOUGE 31				
•	Model Year	1990	Issued	9-15-89	Revised (*)	
METRIC (U.S. Customary)			<u> </u>		·	
Body Type				All		
]						

estraint eating Posi				Left	Center	Right		
			First seat	Lap & Shoulder belt Std.	Lap belt ·Std.	Lap & Shoulder belt Std.		
-	Type & description	Ì	sear.	J.G.	5-1-			
Active	(lap & shoulder beit	. •	Second	Lap & Shoulder belt	Lap belt	Lap & Shoulder belt		
	(10) 4 31100.02. 50.	"	seat	Std.	Std.	Std.		
		Ţ						
	Standard/Optional		Third seat	N.A.	N.A.	N.A.		
	Type &		First	Knee bolster	N.A.	N.A.		
	description		seat	& Air Bag	·			
1	(air bag, motorized		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Std.				
assive	2-point belt, fixed l		Second	N.A.	N.A.	N.A.		
	knee boister, manu		seat	,				
1	lap belt)					<u> </u>		
•	•		Third	N.A.	N.A.	N.A.		
1	Standard/Optional		seat					
<u> </u>	 	SAE						
Glass		Ref. No.		·				
	glass exposed	S1		a	724 (1507)			
	a (cm²(in²))	 		3124 (1301)				
-	xposed surface	52		10,208 (1582)				
	n ²)] - total 2 sides lass exposed	53		(0)200 (1002)				
	a (cm²(in²))	"		4899 (759)				
	exposed surface	54						
area (cm²(ii			24798 (3844)					
	glass (type)			Lamin	ated safety glass			
Side glass (1	type)		.	MS 3694A (Clear) & MS 369	94B (Tinted) heat trea	ted safety glass		
Backlight g	lass (type)							
			<u> </u>	Heat treated safety glass				
Lamps ar	nd Headlamps Lo							
	Description - seale			Pan	laceable bulb			
]	halogen, replacea	ole bulb, etc	Aero					
له م م د ا	Shape Lo-beam type (2A)	201			74510			
Headlamp	2C1, etc.)	, 201,			9004			
	Quantity			2				
	Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)		·	9004				
	Quantity				2			
Frame								

METRIC (U.S. Customary)

 Tuesda	

Vehicle Line DODGE SPIRIT

9-15-89 1990 Revised (●) Model Year Issued

AADH41	AADP41	AADX41

Air conditio	oning (manual, control)		Manual - Opt.			
Clock (digit	tal, analog)		Digital (In radio) - Std.	<u> </u>		
 	nermometer	-	N.A.			
•	oor, overhead)	(a)	floor - std.	floor - std.		
	elec. backlight	Opt.	Std.	std.		
	Diagnostic monitor (integrated, individual)		Std.			
	Instrument cluster (list instruments)		N.A.			
	Keyless entry	N.A.				
Electronic	Tripminder (avg. spd., fuel)	N.A.	N.A.	Std.		
		(Avg. fuel econ., instant.	ty, elapse time, trip odo			
	Voice alert (list items)					
	Other (Graphic message center)	Opt. Std. N.A.				
		(Head, Tail, Brake lamp outage, low washer fluid, door ajar, trunk ajar)				
Fuel door l	ock (remote, key, electric)	Remote cable - std.				
	Auto head on / off delay, dimming	N.A.				
	Cornering		N.A.			
-	Courtesy (map, reading)	Dome - Std., Map - Opt.	Dome, map - std.	Dome, Map - std.		
	Door lock, ignition (Ignition time delay)	Opt. (in pkg.)	Std.	Std.		
	Engine compartment	Opt. (in pkg.)	Std.	Std.		
Lamps	Fog	N.A.	Std.	Std.		
	Glove compartment	·	Std.			
	Trunk		Std.			
	Illuminated entry system (list lamps, activation)		N.A.	.		
	Other (Ash receiver)		Std. all			
	(Cigarette lighter & under inst. Panel)	Opt. (in pkg.)	Std.	Std.		
	Day / night (auto. man.)		Manual - Std.			
			- Std. all; Power, remot			
	L.H. (remote, power, heated)	Convex, man., remote - Std. all; Convex, pwr., remote, heated - opt. all				
Mirrors	L.H. (remote, power, heated) R.H. (convex, remote, power, heated)	Convex, man., remote -	Std. all; Convex, pwr., i	remote, neated - opt. an		
Mirrors	R.H. (convex, remote, power, heated)	Convex, man., remote - RH/LH - Std.	RH/LH illum Std.	RH/LH illum Std.		
Mirrors Navigation				RH/LH illum Std.		

METRIC (U.S. Customary)

Vehicle Line DODGE SPIRIT

Model Year 1990 Issued 9-15-89 Revised (●)

AADH41 AADP41 AADX41

	Deck li	d (release, pull down)		N.A.	
	Door locks (manual, automatic, describe system)		Manua	al with ignition interlock	Opt.
ŀ		2 - 4 - 6 way, etc.		-way, driver only - Opt.	
i		Reclining (R.H., L.H.)		N.A.	
ower	Seats	Memory (R.H., L.H., preset, recline)		N.A.	<u> </u>
Equipment		Lumbar, hip, thigh, support		N.A.	<u> </u>
		Heated (R.H., L.H., other)		N.A.	· · · · · · · · · · · · · · · · · · ·
ŀ	Side w	indows :		Opt.	
	Ventv	vindows		N.A.	
	Rear windows			Opt.	<u> </u>
	Antenna (location, whip, w/shield, power)		Whip - Right front fender - Std.		
	Std. AM stereo/FM/MX/ETR		ETR/Cassette		AM stereo/FM/MX/
	<u> </u>	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep pkg.,	AM stereo/FM/MX/ETR/Cassette		
adio -			Infinity I - Premium AM stereo/FM/MX/ETR/Cassette		
/stems	Opt.	headphone jacks, etc.	_		AM stereo/FM/MX/ Graphic Equalizer
ŀ	Speak	er	Two coax. ,frt. dr Std.		
	(numb	er,	4 coax, frt. & rr. drs Opt.	1	k rr. drs Std.
1	locatio	on)	Opt. (a)	4 equalized coaxial, front &	rear doors - Incl. w/Infinity I &
of open	ir fixed	(flip-up, sliding, "T")	Flip <u>up m</u> a	inual with removable sur	
eed cont	rol devic	:e	Opt.	Std.	Std.
eed warr	ing dev	ice (light buzzer, etc.)		N.A.	
chomete	r (rpm)		Opt.	Std.	Std.
lephone	system (describe)		N.A.	
eft deter			Inside hood release,	glove box lock, locking st	eering column - 5td.

⁽a) 4 equalized coaxial, front & rear doors - w/Infinity I

Vehicle Line DODGE SPIRIT

Model Year 1990 Issued 9-15-89 Revised(•)

METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for Definitions

All dimensions to ground are for comparitive purposes only. Dimensions are to be shown for all base body models of each car line SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100"Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	41				
	W101	1463 (57.6)				
Tread (front)	W102	1453 (57.2)				
Tread (rear)	W103	1709 (67.3)				
Vehicle width	W103	1731 (68.1)				
Body width at SgRP (front)	W120	3432 (135.1)				
Vehicle width (front doors open)	W120	3320 (130.7)				
Vehicle width (rear doors open)		24.8°				
Tumble-home (deq.)	W122 W410	24.0				
Outside mirror width	1 W410 1					
ØLength		2624/102.23				
Wheelbase	L101	2624 (103.3)				
Vehicle length	L103	4602 (181.2)				
Overhang (front)	L104	981 (38.6)				
Overhang (rear)	L105	997 (39.3)				
Upper structure length	L123	2391 (94.1)				
Rear wheel C/L "X" coordinate	L127	2712 (106.8)				
ØHeight*						
Passenger distribution (front/rear)	PD 1,2,3	2 Front / 3 Rear				
Trunk/cargo load		-				
Vehicle height	H101	1359 (53.5)				
Cowl point to ground	H114	922 (36.3)				
Deck point to ground	H138	957 (37.7)				
Rocker panel front to ground	H112	211 (8,.3)				
Rocker panel rear to ground	H111	191 (7.5)				
Windshield slope angle	H122	56.0°				
Backlight slope angle	H121	35.4°				
Ground Clearance	· •					
Front bumper to ground	H102	258 (10.2)				
Rear bumper to ground	H104	286 (11.3)				
Bumper to ground [front	H103					
at curb mass (wt.))		276 (10.9)				
Bumper to ground [rear	H105					
at curb mass (wt.)]		359 (14.1)				
Angle of approach (degrees)	H106	17°				
Angle of departure (degrees)	H107	21°				
Ramp breakover angle (degrees)	H147	16°				
Axle differential to ground (front/rear)	H153	Front - 117 (4.6) Rear - 100 (3.9)				
Min. running ground clearance	H156	116 (4.6)				
Location of min. run. ground clearance		Frt. Suspension C'mbr. Brkt.				

^{*} All vehicle height and ground clearance are made at the Manufacturer's Design Load Weight.

Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified. All linear dimensions are in millimeters (inches) unless otherwise noted.

Vehicle Line DODGE SPIRIT Model Year 1990 Issued 9-15-89 Revised(*) **METRIC (U.S. Customary)**

ype	41					
SAE Ref. nt Compartment No.						
ont, "X" coordinate L31	1403 (55.2)					
e head room H61	976 (38.4)					
f. leg room (accelerator) L34	1063 (41.9)					
heel point H30	271 (10.7)					
heel point L53	850 (33.5)					
gle L40	24°					
le L42	97°					
ngie L44	124°					
gie L46	87°					
H-point front travel L17	205 (8.1)					
driving & riding seat track trvl. L23	184 (7.2)					
er room W3	1380 (54.3)					
m W5	1312 (51.7)					
pody opening to ground H50	1243 (49.0)					
g wheel maximum diameter* W9	381 (15.0)					
g wheel angle H18	25.8°					
ator heel pt. to steer, whi, cntr. L11	501 (19.7)					
ator heel pt. to steer, whi, cntr. H17	636 (25.0)					
essed floor covering thickness H67	22.4 (0.88)					
r Compartment						
puple distance L50 '	867 (34.1)					
re head room H63	962 (37.9)					
fective leg room L51	973 (38.3)					
fective leg room L51						

Effective head room	H63	962 (37.9)	
Min. effective leg room	LS1	973 (38.3)	
SgRP (second to heel)	H31	284 (11.2)	
Knee clearance	L48	74 (2.9)	
Shoulder room	W4	1397 (55.0)	
Hip room	W6	1320 (52.0)	
Upper body opening to ground	H51	1242 (49.0)	
Back angle	L41	24°	
Hip angle	L43	88°	
Knee angle	L45	98°	
Foot angle	L47	130°	
Depressed floor covering thickness	H73	12.7 (0.5)	

Luggage Compartment 408 (14.4) Usable luggage capacity (L (cu. ft.)] 555 (21.9) Liftover height

Interior Volumes (EPA Classification) Mid-size Vehicle Class 111.2 Interior volume index (cu. ft.)** 14.4 Trunk / cargo index (cu. ft.)

^{*} See p. 14
** Includes passenger and trunk / cargo index - see definition page 32.

	MVMA Specifications			SPIRIT		
		Model Year	1990	Issued	9-15-89	Revised(•)
METRIC (U.S. Customary)						
Vehicle Dimensions See Key Sho	ets for Det	finitions				
	SAE					
Body Type	Ref.					
	No.					
Station Wagon - Third Seat						
igRP couple distance	L85					
houlder room	W85			-		
tip room	W86					. /
Effectivé leg room	L86					/
Effective head room	H86					
igRP to heel point	H87					
(nee clearance	L87					
eat facing direction	SD1					
Back angle	L88					
tip angle	L89					-
(nee angle	L90			•		
oot angle	L91					
	·				•	
Station Wagon - Cargo Space		•				
Cargo length (open front)	L200			-		· · · · · · · · · · · · · · · · · · ·
Cargo length (open second)	L201					
Cargo length (closed front)	L202					
Cargo length (closed second)	L203				<u></u>	
Cargo length at belt (front)	L204					
Cargo length at belt (second)	L205					
Cargo width (wheelhouse)	W201					<u></u>
Rear opening width at floor	W203					
Opening width at belt	W204		·			
Min. rear opening width above belt	W205			/_		<u> </u>
Cargo height	H201					
Rear opening height	H202		/			
Tailgate to ground height	H250					
Front seat back to load floor height	H197					
	V2					<u> </u>
Cargo volume index [m³(ft.³)] Hidden cargo volume [m³(ft.³)] Cargo volume index-rear of 2 nd -seat	V4					

Hatchback - Cargo Space		 	
Cargo length at front seatback height	L208		
Cargo length at floor (front)	L209	 	
Cargo length at second seatback height	L210		 <u></u>
Cargo length at floor (second)	L211		
Front seatback to load floor height	H197		
Second seatback to load floor height	H198		
Cargo volume index[m³(ft.³)]	V3		
Hidden cargo volume [m³(ft.³)]	V4		
Cargo volume index-rear of 2 nd -seat	V11		

MVMA S	pecitio	Ations - Vehicle Line DODGE SPIRIT Model Year 1990 Issued 9-15-89 Revised(*)
METRIC (U.S	. Custom	
Body Type		All
Vehicle Fidu	ıcial Mark	(S
Fiducial Mark Number*		Define Coordinate Location
•		
Front		The center of gauge holes located in front longitudinal approximately 836 mm (32.9 in.) from centerline of front wheels.
	1	
	ļ	
		·
Rear -		The center of gauge holes located in rear longitudinal approximately 3211 mm (126.4 in) from the centerline of front wheels.
	:	
Fiducial Mark Number		
<u> </u>	W21	433.5 (17.1)
	L54	925 (36.4)
Front	H81	-9 (-0.35) Bottom surface of Longitudinal
	H161 H163	
	W22	527.6 (20.8)
	LS5	3376.2 (132.9) 235 (9.3) Bottom Surface of Longitudinal
Rear	H82	253 (3.5) BOLLOTH SUFFACE OF CONGRESSION
	H164	

MVMA - 90 Page 24

^{*}Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

Vehicle Line **DODGE SPIRIT**

METRIC (U.S. Customary)

1990 issued_ 9-15-89 Revised(*)_ Model Year___

Estimated

		Vehicle Mass (Weight)							
		CURB	MASS, kg (we	ASS, kg (weight, lb.)*		% PASS. MASS DISTRIBUTION			
Code	Model	Front	Rear	Total	Pass. in Front		Pass. in Rear		ETWC**
			1		Front	Rear	Front	Rear	Code
AADH41	Spirit	786	483	1269			ļ		
2.5L (153.0 in.3)	EDM Engine	(1732)	(1066)	(2798)	52.0	48.0	19.3	80.7	3250
AADP41	Spirit LE	804	503	1307					
2.5L (153.0 in.3)	EDM Engine	(1772)	(1109)	(2881)	52.0	48.0	19.3	80.7	3250
AADX41	Spirit ES	820	516	1336					
2.5L (153.0 in. ³)			(1138)	(2946)	52.0	48.0	19.3	80.7	3375
<u> </u>	. All								
3.0 L (181.4 in3)					1		1		3375
	•				1				
			 		1		İ		
	•		·		1.			i l	
						 			
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^{*} Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

^{**}ETWC - Equivalent Test Weight Class - basis for U.S. Environmental Protection Agency emission certification. Refer to ETWC code legend below for test weight class.

			CTA (C)					•	٠ .
			ETWCL	t Gt	טא				3
Δ	= 1000)	= 2000	Q	= 3000	Y	= 4000		
В	= 1125	5 J	= 2125	Ŕ	= 3125	Z	= 4250		S
Č	= 1250	K	= 2250	S	= 3250	AA	= 4500		
ō	= 137	5 L	= 2375	Ť	= 3375	BB	= 4750		3
Ē	= 1500	Й	= 2500	Ù	= 3500	ČČ	= 5000		-
Ē	= 162		= 2625	v			= 5250		
•	_ , , , ,		- 2023	•	- 3023				-

SHIPPING MASS (weight) Calculation Kg. (lbs.) Shipping Mass (weight) = Curb Weight less: 35 kg.(78 lbs.)

Vehicle Line DODGE SPIRIT

Model Year 1990 Issued 9-15-89 Revised(•)

METRIC (U.S. Customary)

Estimated

-	<u>Estimated</u>					
-		Op	ment Differential Mass (weight)*			
Equipment	MASS,	kg (weight,	lb.)	Remarks		
· /	Front	Rear	Total			
2.5 L (153.0 in. ³) Turbo-	9	1.4	10.4	With 5-Speed Manual Transmission		
harged Engine, EDT	(20)	(3)	(23)			
2.5 L (153.0 in.3) Turbo-	5.9	.4	6.3	With 3-Speed Automatic Transmission		
harged Engine, EDT	(14)	(1.3)	(15.3)	<u> </u>		
3.0 L (181.0 in.3) EFA Engine	47.6	-1.8	45.8	Spirit & Spirit LE, includes 4-Speed Auto. Trans.		
,	(105)	(-4)	(101)			
3.0L (181.0 in:3) EFA Engine	45.8	-2.2	43.6	Spirit ES, includes 4-Speed Auto. Trans.		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(101)	(-5)	(96)			
Automatic Transmission-	15.4	-1.4	14	2.5 L Engine, EDM		
Speed	(34)	(-3)	(31)	7		
Automatic Transmission-	12.2	-2.3	9.9	2.5 L Engine, EDT		
S Speed	(27)	(-5)	(22)	1 -		
Sunroof	3	4	7			
30111 001	(6)	(9)	(15)	1		
Air Conditioning	26.8	-2.3	24.5			
air Conditioning	(59)	(-5)	(54)	1		
Special Sound Insulation	3.6	2.7	6.3	Spirit Only		
Special Sound Insulation	(8)	(6)	(14)			
Power Windows	4.1	3.6	7.7			
	(9)	(8)	(17)	┪		
	2.7	1.8	4.5	Without Power Windows		
Power Seat - Left	(6)	(4)	(10)	- Without Fower Williams		
	4.1	3.2	7.3			
Power Seat - Left	(9)	(7)	(16)	†		
Conventional Same	-1.8	8.2	6.4	Spirit & Spirit LE		
Conventional Spare	(-4)	(18)	(14)			
P205/60R 15 LBL SBR	2	2	4	Spirit LE Only		
P205/60K 15 LBL 3BK	(5)	(5)	(10)	7		
15" x 6" Cast Aluminum	-2.7	-2.7	-5.4	Spirit LE Only		
	(-6)	(-6)	(-12)			
Wheel	(-0)	(+0)	(-12)			
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^{*} Also see Engine - General section for dressed engine mass (weight).