

Required and Recommended Shop Equipment Checklist

Table – 1, lists “Required” equipment considered essential for any Nissan dealership. Table – 2, is a “Recommended” list that will significantly enhance the effectiveness and efficiency of a dealership’s Service Operations.

Below is a key table to use in determining tool and equipment requirements. In order to best serve the needs of the customer, a dealership’s volume will affect the quantity of some items.

Key Table:	5 Year UIO	P.V.	Total Month R.O.	Service Bays
Small Dealership (A)	0 -1,699	0 - 299	0 - 499	1 - 9
Medium Dealership (B)	1,700 - 3,799	300 - 999	500 -1,199	10 – 25
Large Dealership (C)	3,800+	1,000+	1,200+	26+

General Requirements

<u>Equipment Type</u>	<u>Vehicle Spec.</u>	<u>Minimum Equipment Capability</u>	<u>Recommended Equipment Specification</u>	<u>Equipment Manufacturer</u>
Hoist	~6,000 lbs	7,000 lbs	10,000 lbs	<ul style="list-style-type: none"> * Challenger Envirolift In-Ground * Challenger Versymmetric 2-post * Challenger 10” Truck adapters * Rotary In-Ground I Series Smart Lift * Rotary I Series Two-post Lift * Rotary 10” Truck Adapters
NV Hoist		12,000 lbs		* Consult with Nissan CAM
Tire Changer	265/70 R18 (Tire dia. 33”)	Rim Dia. 22” Tire Dia. 33”	<u>Max</u> Rim Width 19” <u>Max.</u> Tire Dia. 50”	<ul style="list-style-type: none"> * Hunter Engineering Auto 34 TCA34W * Hunter Engineering TC3715EW * With wheel lift
Wheel /Tire Balancer	265/70 R18 (Tire dia. 33”)	Rim Dia. 22” Tire Dia. 33”	<u>Max.</u> Rim Width 20” <u>Max.</u> Tire Dia. 40” <u>Max Weight</u> 175lbs	<ul style="list-style-type: none"> * Hunter Engineering RFT13 * With printer, wheel lift, TDC laser system, NV wheel collet
Alignment Machine	Weight:- ~ 6,000 lbs W/base:- ~ 140”	12,000 lbs	Weight:- 16,000 lbs W/base:- 175”	<ul style="list-style-type: none"> * Hunter WA443 Series Image based * Alignment System, HE421FC Fixed * Column Sensors * Hunter Alignment Rack RX16FT-IS * scissor lift or four post lift L443-IS
Alignment Quick Check				* WQ332DT Drive Through Alignment Quick Check
Brake Lathe	Four Wheel Discs (Dia. 12.6”)		Max Rotor:- Diameter = 23” Width = 5-3/8” Thickness = 2”	<ul style="list-style-type: none"> * Pro-Cut PFM 38-PFM92-GYX/5 On-car Brake Lathe

Required and Recommended Shop Equipment Checklist

Required Equipment

✓	<u>Required Equipment details</u>		<u>Required Quantity</u>		
	<u>Description</u>	<u>Suggested Mfg/Model # (J- #)</u>	<u>A</u>	<u>B</u>	<u>C</u>
	CONSULT Kit	Scan Tool Kits	1	2	3
	Battery/Starting/Changing tester	Midtronics / 165-EXP-800-NI	1	2	3
	Diagnostic Battery Workstation	Midtronics / 165-GR8-1200KIT-NI	1	1	1
	A/C leak detection unit	TIFZX-1	1	1	1
	A/C service equipment	Robinair 48710	1	1	1
	Vacuum pump and gauge (EVAP test)	Mighty Vac (J-42909)	1	1	1
	Brake disc lathe (on-car)	Pro-Cut /PFM9.0 (38-PFM9.2-GYX/5)	1	1	1
	Fuel injector cleaning kit	3M (J-45701)	1	1	1
	Engine Support Table	J-47242 – 1650lbs Capacity	1	1	1

Table # 1

ASIST Workstation requirements

<u>Number of Techs</u>	<u>Recommended Number of ASIST™ Computers</u>	<u>Suggested Mfg/Model</u>
Up to 7	1	Computer System 400-E3600-PKGA
7-12	2	
12-17	3	
17-22	4	
More than 22	5	

CONSULT-II & CONSULT-III requirements

<u>Number of Techs</u>	<u>Recommended Number of CONSULT-II & Consult III</u>
Up to 5	1
6-10	2
11-15	3
16-20	4
More than 20	5

Required and Recommended Shop Equipment Checklist

The following equipment is considered "Recommended" as it is not essential in the operation of a profitable dealership Service Department. However, the recommended products provide valuable enhancements that will allow a Service Department to be more efficient and effective as well as be more responsive to customer needs.

✓	<u>Recommended Equipment</u>		<u>Required Quantity</u>		
	Description	Suggested Mfg/Model # (J #)	A	B	C
	Consult III Cart	J-47446-CART	1	2	3
	Consult III Wireless Printer	J-47446-PRNT	1	2	3
	Consult Cart Cover	J-47446-COVER	1	2	3
	Road Force Measurement System	Hunter GSP series (1-RFT13)	1	1	1
	Cooling system pressure tester		1	1	1
	Head light aiming Board		1	1	1
	Floor jack	OTC (16-1510)	1	1	1
	1000lb Hydraulic transmission jack	OTC (16-1791)	1	1	1
	Hydraulic engine hoist, floor crane	OTC (16-2002) 1 Ton	1	1	1
	Hydraulic press	OTC 25-Ton (16-1833)	1	1	1
	Jack stands	OTC (Various available)	2pr	2pr	2pr
	Engine stand	OTC Engine Stand - 1250 lb (16-2012)	1	1	1
	Work benches	SHURE (17-019292)	4	6	8
	6" Mechanics Vise w/copper jaws	624-WIL-21500, 624-WIL-24408	1	1	1
	¾ HP Bench grinder with pedestal	624-ATD-10548, 624-WIL-JSP-2A	1	1	1
	Shop vacuum		1	1	1
	Buffer polisher		1	1	1
	Drop light		8	12	16
	Vacuum brake bleeder	VACULA (85-12-18-9989)	1	1	1
	Strut spring compressor, Strut Tamer	OTC (16-6580 & 16-6582)	1	1	1
	Outside micrometer set		1	1	1
	Dial indicator with mag base		1	1	1
	Dial caliper, Vernier		1	1	1
	Engine bore gauge set		1	1	1
	Straight edge		1	1	1
	Air compressor system	CHAMPION (27-HR1012-230/PKG)	1x5hp	2x5hp	2x7hp
	Brake Thickness Gage	624-KDT-3962	1	2	3
	Powertrain Lift Table	Bishamon 204-BX50W-NI	1	1	1
	Roll around waste oil drain, 25 gallon	Graco,11-238-866	2	3	4

Required and Recommended Shop Equipment Checklist

Table # 2

....continued.

✓	Recommended Equipment		Required Quantity		
	Description	Mfg/Model # (J #)	A	B	C
	Overhead Light Reels, 50 feet	624-ATD-80012, One per Lift	4	6	8
	Overhead Air and Water Reels, 50'	44-2120-015, One per Lift	4	6	8
	Fluid pumps		4	6	8
	Portable gear oil dispenser		4	6	8
	Oil inventory control system		4	6	8
	Bulk oil storage tank		1	1	1
	Waste oil tank		1	1	1
	Car wash system	BROADWAY (89-0387)	1	1	1
	Parts cleaning tank		1	1	1
	Shop auto exhaust gas removal system		1	1	1
	Hot/high pressure washes	Accu-turn (54-7002)	1	1	1
	Brake washer		1	1	1
	Brake drum micrometer		1	1	1
	Floor scrubber		1	1	1
	Car (down) pusher	Extra Duty Power Pusher (60-NSP4)	1	1	1
	Fuel caddy		1	1	1
	Oil filter crusher	OTC (16-1875) 25 Ton	1	1	1
	Key storage system		1	1	1
	Nitrogen Tire Filling Station		1	1	1
	CONSULT Wireless Internet Access		1	1	1
	Drill Press	624-WIL-354166	1	1	1
	Strut Compressor w/stand	16-6585, 16-6582	1	1	1
	Under hoist Stand w/Pedal	624-ATD-7442	1	2	3
	Jump starter		1	1	1