



## VR12 WINCH

**Part Number:** 96820

**Rated Line Pull:** 12000 lbs. (5443 kgs)

**Motor:** 12V DC, Series Wound

**Controls:** Remote switch, 12" (3.7m) Lead

**Gear train:** 3-Stage Planetary

**Gear Ratio:** 216

**Clutch (Freespool):** Sliding Ring Gear

**Brake:** Automatic Direct Drive Cone

**Drum diameter/length:** 2.5"/9.0" (6.4cm/23cm)

**Kit Shipping Weight:** 89 lbs. (40.4 kgs)

**Rope:** Wire rope,  $\varnothing$  3/8" x 94' ( $\varnothing$  10mm x 29m)

**Fairlead:** Hawse

**Recommended Battery:** 650CCA Minimum for winching

**Duty Cycle:** Intermittent

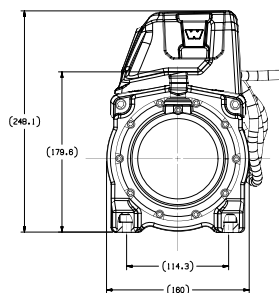
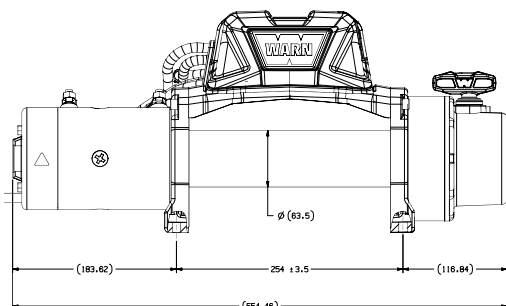
**Battery leads:** 2 gauge, 72" (1.83m)

**Finish:** Black Powder Coat

**Warranty:** Limited Lifetime

**Mounting Bolt Pattern:** 10.0" x 4.5" (254mm x 114.3mm)

**Winch Dimensions:** 21.83" L x 6.3" D x 9.8" H (554mm L x 160mm D x 249mm H)



## SERVICE INSTRUCTIONS

Should you encounter a problem during installation or operation of your winch, please follow these steps toward resolving the problem:

1. Refer to your operator's guide and installation instructions. It has illustrations and detailed information on the installation and safe and proper operation of your winch. It also includes a replacement parts list and assembly diagrams. If you are unable to resolve the problem, then go to step 2.
2. Contact your dealer where you purchased your winch. If, after discussing the problem with their parts and service staff, you are still unable to resolve the problem then go to step 3.
3. Call an Authorized WARN Service center from the list provided on the back of the warranty sheet included with the product. When calling, please have the following information available: winch model number and purchase date, make, model and year of vehicle.
4. If you are unable to resolve the problem to your satisfaction, please call Warn Industries Customer Service at: 1-800-543-9276. When calling, please have the following information available: winch model number and purchase date, make, model and year of vehicle. You may also contact Warn Industries by visiting our website: [www.warn.com](http://www.warn.com)

## SERVICE/UPGRADE KITS

KIT#	PN	ITEM	QTY	DESCRIPTION
KIT 1	92083			END HOUSING KIT
		1	1	END HOUSING
		2	1	CLUTCH LEVER
		3	1	SEAL, O-RING
		4	1	CLUTCH LEVER DETENT SCREW
		5	1	RING GEAR, SLIDING
		6	10	CAPSCREW, 10-24
		7	1	GASKET
KIT 2	92077	8	1	THRUST WASHER
KIT 2	92077			DRUM SUPPORT KIT
		21	1	GEAR SIDE DRUM SUPPORT
		22	1	MOTOR SIDE DRUM SUPPORT
		23	2	BUSHING
KIT 3	97781			
				TIE PLATE KIT
		24	1	TIE PLATE
		25	4	5/16" BOLTS

KIT#	PN	ITEM	QTY	DESCRIPTION
KIT 4	92081	7	1	RING GEAR KIT
		13	1	GASKET
		14	1	CARRIER ASSEMBLY, STAGE 3
		33	1	RING GEAR
KIT 5	92087			SPLINED DRIVE GEAR
		10	1	CARRIER KIT
		11	1	SUN GEAR
		12	1	CARRIER ASSEMBLY, STAGE 1
KIT 6	32455	32	1	CARRIER ASSEMBLY, STAGE 2
		32	1	SHAFT, DRIVE
		30	1	BRAKE KIT
		31	1	COUPLER
KIT 7	86537	32	1	BRAKE
		33	1	SHAFT, DRIVE
				SPLINED DRIVE GEAR
		40	1	MOTOR KIT
KIT 8	97771	45	1	MOTOR
		54	1	SPACER
				GROUND BOLT
KIT 9	97784	60	1	CONTROL PACK KIT
		62	1	CONTROL PACK
				CONTACTOR
KIT 10	92036	6	10	BOLT AND GASKET KIT
		7	2	CAPSCREW, 10-24
		8	1	GASKET
		23	1	THRUST WASHER
		25	2	BUSHING
		54	4	5/16" BOLTS
		55	1	GROUND BOLT
INDIVIDUAL ITEMS				PARTS PACK
		26107		LABEL KIT
		86515		DRUM ASSEMBLY
		79626		WIRE ROPE ASSEMBLY
		15901		TERMINAL KIT
		38626		GROUND CABLE
		97900		REMOTE ASSEMBLY
				FAIRLEAD, HAWSE

