



# ZEON-12 WINCH

**Part Number:** 89120

**Rated Line Pull:** 12,000 lbs. (5440 kgs)

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

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

**Gear train:** 3-Stage Planetary

**Gear Ratio:** 216:1

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

**Brake:** Automatic Direct Drive Cone

**Drum diameter/length:** 3.15"/9.3" (8.0cm/23.6cm)

**Kit Shipping Weight:** 103 lbs (46.7 kgs)

**Rope:** Wire rope, Ø 3/8" x 80' (Ø 9.5mm x 24.4m)

**Fairlead:** Roller

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

**Duty Cycle:** Intermittent

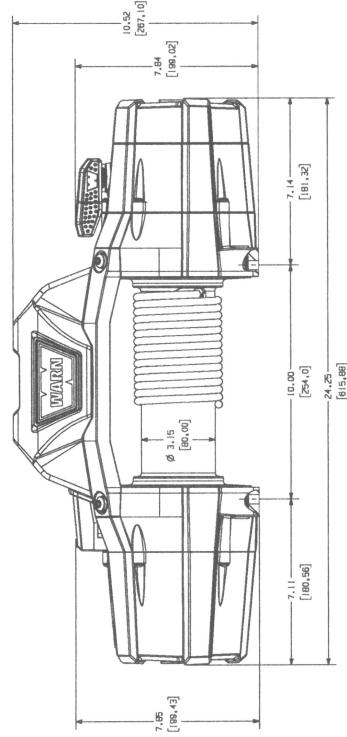
**Battery leads:** 2 GA, 72" (1.83m)

**Finish:** Black Powder Coat

**Warranty:** Limited Lifetime

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

**Winch Dimensions:** 24.25 L x 7.14" D x 10.52" H (615.9mm L x 181.6mm D x 267.1mmH)



## 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	89304	8	1	S/P, TRANSMISSION 216, ASSY		
		9	1	ROTATING RING GEAR		
		(2)	1	RETAINING RING		
		(3)	1	S/P, END HOUSING, ASSEMBLY		
		(4)	1	S/P, END CAP		
		10	1	S/P, DRUM SUPPORT, GEARTRAIN		
		11	1	SUN GEAR, 12T		
		21	1	CARRIER ASSY, STAGE 1		
		12	1	DRIVE SHAFT		
		13	1	CARRIER ASSY, STAGE 2		
		14	1	WASHER, THRUST		
		15	1	CARRIER ASSY, STAGE 3		
		20	1	RING GEAR, 75T		
		42	1	DRIVE SPLINE		
				DRUM DRIVER	1	
		KIT 2	89237	6	1	S/P, END HOUSING, ASSEMBLY
				5	1	CLUTCH LEVER
				7	1	SEAL, O-RING
				8	1	DETENT, M5 SCREW
				9	1	ROTATING RING GEAR
2	1			RETAINING RING		
6	1			GASKET, END CAP		
3	10			GEARTRAIN GASKET		
				TORX, PAN HEAD, M5-0.8 x 25	10	

KIT 3	89238	1	S/P, END CAP
		1	END CAP
		2	GASKET, END CAP
		3	TORX, PAN HEAD, M5-0.8 x 25
KIT 4	89239	17	S/P DRUM SUPPORT, GEARTRAIN
		18	DRUM SUPPORT, GEARTRAIN
		19	DRUM BUSHING
		16	DRUM SEAL
		3	GEARTRAIN GASKET
		5	TORX, PAN HEAD, M5-0.8 x 25
KIT 5	89240	22	S/P BRAKE ASSY
		21	BRAKE ASSY
		23	DRIVE SHAFT
		24	CASTING, MOTOR COUPLER
		1	DRUM
KIT 6	89301	27	S/P, MOTOR 5 TURN
		25	MOTOR 5 TURN
		19	DRUM BUSHING, MOTOR
		1	DRUM SEAL
KIT 7	89211	30	S/P CONTROL PACK
		28	S/P 12VDC CONTACTOR PLATE ASSEMBLY
		26	S/P CONTROL PACK COVER ASSEMBLY
		37	GROUND CABLE 2GA
		1	POWER CABLE 2GA
KIT 8	89627	33	S/P BUS BARS
		35	BUS BARS
		34	TOP, BUSS BAR COVER
		36	BASE, BUSS BAR COVER
		1	TORX, PAN HEAD, M6-1.0 x 25
INDIVIDUAL ITEMS		10	SUN GEAR, 12T
	13874	11	CARRIER ASSY, STAGE 1
	88636	21	DRIVE SHAFT
	88251	12	CARRIER ASSY, STAGE 2
	88606	13	WASHER, THRUST
	88543	14	CARRIER ASSY, STAGE 3
	88521	15	CARRIER, THRUST
	88252	20	RING GEAR, 75T
	90281	42	DRIVE SPLINE
	13824	41	DRUM DRIVER
	90053	32	ANCHOR PUCK
	89242	38	S/P, TIE PLATE
	89213	39	S/P WIRE ROPE, 3/8x80'
	89214	29	S/P FAIRLEAD, ROLLER
	81400	30	S/P 12VDC CONTACTOR
	89626	28	S/P 12VDC CONTACTOR PLATE ASSEMBLY
	89244	40	S/P CONTROL PACK COVER ASSEMBLY
	83665	26	S/P REMOTE CONTROL
	15901	37	GROUND CABLE 2GA
	83350	3	POWER CABLE 2GA
	88371	26	TORX, PAN HEAD, M5-0.8 x 25
	88682	31	TORX, PAN HEAD, M6-1.0 x 25
	83475	4	TORX, PAN HEAD, M8-1.25 x 25

