

COATS®

XR 1800/1850 Wheel Balancer



Parts Identification

READ these instructions before placing unit in service KEEP these and other materials delivered with the unit in a binder near the machine for ease of reference by supervisors and operators.

HENNESSY INDUSTRIES, INC.

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HENNESSY INDUSTRIES INC. Manufacturer of AMMCO®, COATS® and BADA® Automotive Service Equipment and Tools.

Manual Part No.: 8113553 10

Revision: 06/06

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The following pages include parts breakdowns with exploded view illustrations to help with ordering replacement or spare kits. Assemblies are noted where it is recommended that individual parts not be ordered separately. These parts are available only as assemblies because some parts are staked, pinned, or press fitted, then drilled, machined, or bored. Close tolerances must be maintained in assembly. Every effort is made to supply accurate exploded views, however, due to interim changes in manufacturing operations, some units may not be exactly as illustrated.

Item Qty. Description

P/N 8113881 Printer Kit

164	1	Printer, with Adapter, 115V
170	1	Loop Fabric †Velcro®
172	3	Hook Type †Velcro®
*	2	4" Nylon Cable Tie
*	1	Kit Instructions

P/N 8113883 Printer Bracket Kit

48	1	Printer Bracket
96	2	HWH Self Tapping Screw
157	1	5/8" Rubber Grommet
171	1	Loop Fabric †Velcro®
*	1	Printer Instructions Decal
*	1	5.5" Trim Edge "U" Channel
*	2	4" Nylon Cable Tie
*	1	Kit Instructions

P/N 8113887 1800 to 1850 Upgrade Kit, 115V

6	2	1/4-20 Nyloc Nut
16	1	115V Power Cord Assembly
165	1	Printer Cable
166	1	115V Female Duplex Receptacle
167	1	6 - 32 Patch Lock Screw
180	1	Duplex Receptacle Bracket
*	1	Caution 115V Duplex Receptacle Decal
*	1	Printer Kit
*	1	Printer Bracket Kit
*	1	Lateral Runout Kit
*	1	PCB, 16-bit ADC
*	1	1800/1850 Parts Manual
*	1	1800/1850 Operating Manual
*	1	Upgrade Instructions

Item Qty. Description

P/N 8113893 Lateral Runout Kit

3	2	1/4-20 x 1-1/4" HHCS
6	2	1/4-20 Nyloc Nut
36	1	Lateral Runout Guard
158	1	Lateral Runout Assembly
181	1	11/16" Rubber Grommet
183	1	Lateral Runout Decal
*	1	Caution Laser Decal
*	1	Laser Conformance Decal
*	1	Laser Aperture Decal
*	1	Kit Instructions

P/N 80180001 Brake Lever Assembly

15	1	Brake Lever Assembly
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P/N 80180104 Hood Switch Kit

64	1	Hood Switch Assembly
65	1	Hood Switch Washer

P/N 8114431 Radial Runout Sensor Kit

192	1	Radial Runout Sensor Kit
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P/N 8114452 Motor & Mtg Hardware Kit, 115V

P/N 80180120 Motor & Mtg Hardware Kit, 230V

59	4	6M Hex Nut
95	2	Screw Plate
104	1	Spindle Drive Motor w/Pulley, 115V
	1	Spindle Drive Motor w/Pulley, 230V
123	4	M6 Lock Washer
125	4	M6 Flat Washer

P/N 80180108 Stub Shaft Kit

*	1	Serrated M10 Washer
93	1	SHC M10 x 160 Screw, Gr. 8.8
116	1	Threaded Shaft 40MM

P/N 80180109 Piezo Kit

17	1	Piezo Dynamic Assembly
18	1	Piezo Static Assembly
60	6	Jam M10-1.5 Hex Nut
83	1	Static Piezo Rod
84	1	Dynamic Piezo Rod
109	8	Spring Piezo Washer
122	2	Large M10 Flat Washer
150	6	Small 10M Washer

Parts Identification

Item Qty. Description

P/N 80180110 Brake Pad Kit

*	1	Brake Pad
*	1	Brake Pad Screw

P/N 80180111 Brake Kit Complete

57	1	Hair Pin Clip
58	1	Hair Pin Cotter
73	1	M8-1.25 Hex Nylock Nut
105	1	Brake Spring
117	1	Brake Tie Rod
120	1	Flat .360 ID x .932 OD x .080 Washer
126	1	M8 Flat Washer

P/N 80180113 Distance Rod Kit

30	1	Adhesive Back Cable Tie
55	1	Gauge Rod
100	1	Slide Bracket
190	1	M6 x 6 Set Screw

P/N 80180114 Pulley Kit

79	1	Distance Pot. Pulley
82	1	Return Pulley
98	1	Self Locking Ring
99	1	Collar Assembly
107	1	Distance Gauge Spring
111	1	Distance Gauge String - 22"
112	1	Distance Gauge, String Bracket
189	1	Distance Gauge, String - 13"

Item Qty. Part Description

1	5	8301122	1/2-13 Hex Nylock Nut
2	2	8113418	1/2-13 x 1.00 SHCS
3	2	8120321	1/4-20 x 1-1/4" HHCS
4	5	8000745	1/4 Flat Washer
5	4	8109802	1/4-20 NC X 2.00 HHCS
6	18	8181369	1/4-20 UNC Nylok Nut
7	2	902189	1/4-20 x .500 HHCS
8	3	8181984	1/4-20 x 1.00 HHCS
9	2	8301032	3/8" Flat Washer
10	2	8143044	3/8-16 Nut Tinnerman
11	2	8120325	5/16 x 1.00 Serrated
12	2	8110957	Accessory Peg Cover
13	1	8113360	Angle Sonar Target Rod
14	1	8113272	Assembly Panel, PCB
15	1	80180001	Brake Lever Complete
17	1	80180051	Piezo Dynamic Assembly
18	1	80180050	Piezo Static Assembly
19	1	8114465	Power Panel Assembly, 115V
	1	80180117	Power Panel Assembly, 230V
20	1	80180059	Balancer Spindle
21	1	8301019	50 Lbs. Ballast
22	1	8113863	Front Cover Assembly
23	2	8307014	Flanged Nylon Bearing
24	1	8113532	Belt Tightening Plate Assem.
25	4	8111030	Black Hose
26	1	8113537	Bottom Cover, Hood Bracket
27	1	8107635	5/16" Std. Flat Washer
28	1	8113297	Width Sonar Bracket
29	2	8308535	Stop Bushing
30	4	8112351	Adhesive Backed Cable Tie
31	1	8113267	Channel Monitor Tilt
32	1	8113232	Chassis - Weld Comp.
33	1	8182044	Neoprene Cushion Clamp
34	1	8113536	Bottom Cover, Tower
35	1	8113251	Assess Holes Cover
36	1	8113869	Lateral R.O. Guard
*37	1	8113927	Caution/Patent Decal
38	1	8113557	Switch Panel Assembly, 115V
	1	8113747	Switch Panel Assembly, 230V
*39	1	8113541	Faceplate Arrow Decal
40	1	8113667	Pictorial Wiring Diagram
41	1	8113419	Main XR1800 Decal
43	1	8113401	Sonar Target Decal
46	1	8110241	Weight Position Decal
47	1	80180068	Drive Belt
48	1	8113853	Printer Bracket

* Not Shown

† Velcro® is a registered trademark of Velcro Industries B.V.

Parts Identification

Item	Qty.	Part	Description	Item	Qty.	Part	Description
50	1	80180045	Encoder Assembly	111	1	8114363	Distance Gauge String - 23"
51	1	8113342	Rubber End Cap	112	1	8114370	Distance Gauge String Bracket
53	1	8113925	Metal Arm Assembly	113	1	8113336	Adapter Storage Swivel
54	1	8114366	Gauge Bracket Comp.	114	1	8113844	Main XR1850 Decal
55	1	8114361	Gauge Rod	115	1	8113358	Target W/C, Sonar Cal.
56	1	8113534	Glide Plate	118	1	80180079	Touch Panel Assembly
57	1	8120469	Hair Pin Clip	119	1	8113337	Tree W/C, Sonar Cal.
58	1	80180010	Hair Pin Cotter	121	1	8109944	Hood Bar Washer
61	1	8107407	Hitch Pin Retainer	124	1	8114359	Lock Washer, String Bracket
62	1	8112724	Hood Bar W/C	127	7	904379	Pl. Stl. Washer
63	1	8113296	Hood Pivot Sleeve	129	9	8301121	Plain Washer
66	1	8111021	Caliper Storage Hook	130	4	903214	Flat Washer, Std, 1/2" S.A.E.
67	4	8110817	Control Pod Knob	131	1	8113531	Weight Tray Assembly
69	2	8309008	Hood Molding Stop	132	1	8113620	Wheel Hood Guard
70	1	8113815	Balance First Tire Decal	133	1	8113256	Wire Tray
74	5	8301084	#8-32 Kep Nut	134	1	8114460	Capacitor 60MF/400V, US
73	1	M8-1.25	Hex Nylock Nut	1	80180119	Capacitor 14MF/400V, Australia	
75	1	8113348	Brake Pedal	135	1	8112120	Worm Hose Clamp
76	2	8110818	Peg Bracket Weldment Assy.	*136	1	8113569	Ground Location Decal
78	2	8114137	Distance Potentiometer	*137	1	8113566	Infla/Release Valve Decal
79	1	8114327	Distance Gauge Pulley	*138	1	8113568	On/Off Decal
80	1	8109945	Washer 1 1/2" Retainer	*139	1	8113567	Piezo Assy. Instr. Decal
81	2	8143956	Circular Push-On Retaining Ring	*140	1	811885	Plug Grounding Decal
82	1	8114365	Small Return Pulley	141	1	8111840	Warning Decal
85	1	8113264	Sonar Target Rod	142	1	8113570	Warning Decal
87	3	7110208	Rub Button Carriage	143	1	8113609	Warning Inflation Decal
*88	1	8113726	Caution Fuse Decal, 115V	144	1	80180096	Hub Nut & Cup
	1	8113755	Caution Fuse Decal, 230V	146	1	80180097	No-Mar Ring
89	1	8114360	SHC Screw M6 x 16	147	4	8111542	8-32 x 5/8 Lg. Screw
90	1	8110560	8/32 x .75" Lg. Screw (Green)	149	1	8301142	1/4" Spring Lock Washer
92	1	8182149	SHC 5/16-18 x 3/4 Screw	151	2	8113473	1-oz. Tape-A-Weight™
94	1	8114129	String Bracket Screw	153	3	8111032	1/4" Fender Washer
96	51	8106301	HWH Self Tapping Screw	154	1	8113725	Radial Runout Decal
97	4	2189	Hex Cap 1/4-20 x 1/2 Screw	156	1	8113744	Monitor Grip Strip
98	1	8114372	Self Locking Ring	157	1	903912	Rubber Grommet, 5/8"
99	1	8114402	Collar & Screw Assembly	158	1	80180126	Lateral R.O. Unit w/Sonar & Cables
100	1	8114371	Slide Bracket				
101	1	8113372	Sliding Tray Assembly	159	1	8113935	17" Black Monitor
102	1	80180133	Sonar Sensor w/Cable & Screws	160	1	8113742	Monitor Support Tray
103	3	8183638	Stand Off Spacer	162	1	8113743	Monitor Support Plate
104	1	8114452	Motor w/Pulley	164	1	8113848	Printer w/115V Adapter
106	1	8308023	Compression Spring, Dim. Arm	1	1	8113896	Printer w/230V Adapter
107	1	8114362	Distance Gauge Spring	165	1	80180125	Printer Cable Assembly
108	1	8308062	Hood Spring, Extension	166	1	8113870	Receptacle, Duplex, 115V
109	8	80180057	Spring Washer	1	1	8113897	Receptacle, 250V, ISA. Austr.
110	1	8180103	Standard Clevis Pin	167	2	8301063	#632 x 1/2" Screw

* Not Shown

Parts Identification

Item	Qty.	Part	Description	Item	Qty.	Part	Description
168	1	925271	1/2-13 x 2" FHSC Screw	*	1	8113417	0.25 ID x 120" Blk Rubber Hose
180	1	8113877	Duplex Receptacle Bracket	*	1	8113810	Power Cord Assembly, Printer
181	1	8113931	Rubber Grommet 11/16"	*	1	8113862	Monitor Tower Front
182	1	8113930	Plug - Domed, 11/16"	*	1	8120264	1/4" ID x 44" Black Hose
183	1	8113874	Lateral R.O. Decal	*	1	8182047	3-way Push Button Valve
184	1	80180115	Hub Nut	*	1	8183502	Bleed Valve Manifold
186	1	85000027	Braking Transformer, 115V with conn.	*	1	8410419	Doyfe Air Chuck
	1	80180121	Braking Transformer, 230V	*	1	80180038	Main Switch
185	1	80180116	Cup - Hub Nut	*	1	80180039	Strain Relief
187	1	8114450	Control Transformer, 115V with conn.	*	1	80180040	Cable & Strain Relief
188	1	80180133	EMS Sonar Sensor w/Cable & Screws	*	1	80180044	PC Power Cable
189	1	8114364	Distance Gauge String - 13"	*	1	80180058	Piezo Pickup Cable w/Terminal Block
190	1	8114408	M6 x 6 Set Screw	*	1	80180083	Panel/Keyboard Conn. Cable
191	2	8114425	Runout Sensor Slide Block	*	1	80180085	Sonar Power Board
192	1	8114424	Adjustment Block	*	1	80180129	Computer PCB
193	1	8114426	Adjustment Screw				
194	1	8114432	Sensor Mounting Bracket				
195	2	8183961	1/4-20x1/2 FSHCS Screw				
196	1	8114241	Knob				
197	1	902308	Set Screw				
198	2	903094	Socket Cap Screw				
199	1	8114429	Adjustment Rail				
200	1	8114427	Runout Mounting Tube				
201	3	902322	10-32x1/2 Screw				
202	2	8114428	Runout Sensor Rail Spacer				
203	4	8181984	1/4-20x1 HHCS				
204	4	8113921	1/4-inch Flat Washer				
205	2	8112029	1 1/2-inch Clamp				
206	4	8112179	1/4-20x3 HHCS Screw				
207	1	8114431	Radial Runout Sensor Kit				
208	1	8114446	24 mm ø Pulley				
209	1	8114467	Hood Switch Adj. Bracket				
210	1	8113922	10-32x3/4 BHSCS				
211	1	8112317	10-32 Keys Nut				
	1	80180122	Control Transformer, 230V				
*	1	8000378	Straight Fitting				
*	1	8000461	1/4" ID x 12" Black Hose				
*	1	8005696	0.688 x 1.75 x 0.125 Thk Washer				
*	8	8101428	Worm Hose Clamp				
*	1	8105822	9/16 ID Hose Clamp				
*	3	8107983	Plastic Fastener				
*	1	8113370	2-way Valve Assy. w/Fittings				
*	1	8113416	0.25 ID x 8" Blk Rubber Hose				

* Not Shown





