

NEO ENGINEERING WORKS
131/1 M. B. Road Howrah – 711104

PRODUCT LIST

Wood Ward Gov. with Gov. Drive & Mounting Linkage Assly. For WDS - 6, WDS - 6R & WDM - 2 Loco.			
SI No.	Description	Part No.	Remarks
1	Shaft Rotary Servo	10342047	
2	Filter Assembly For Fuel Oil	10342230	
3	Spring Solenoid Loading	10341780	
4	Bearing Thrust	10342989	
5	Lever Power Piston	10341432	
6	Case Solenoid	10341730	
7	Solenoid Plunger	10341766	
8	Spring	10344378	
9	Nut Shut Down	10344366	
10	Bush Speed Setting Pilot Valve	10344287	
11	Cam Fuel Limit	10344196	
12	Arm Cam Followers	10344159	
13	Plunger Valve	10344123	
14	Cyl. Head Over Riding	10343702	
15	Check Valve Assembly	10343600	
16	Beam Connecting	10344457	
17	'O' Ring Needle Valve	10340531	
18	'O" Ring Spring Grand Seal	10340543	
19	Spring Speeder	10344391	
20	Spring Buffers	10344380	
21	'O' Ring 1½"	10348300	
22	Bushing	10348384	
23	Stop Solenoid Plunger	10348608	

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24	Spring Pilot Valve Loading	10348670	
25	Plunger L.C. Pilot Valve	10344421	
26	'O' Ring	10343763	
27	Bearing Needle	10343659	
28	Lever Below to Value	10343647	
29	Sleeve Out Off Value	10343520	
30	Spring Load Control	10343313	
31	Lock Nut Diaphragm	10343143	
32	Plunger Over Riding Pilot Valve	10342898	
33	Piston Oil Failure	10342886	
34	Filter & Plug Assembly	10342242	
35	Link Restoring	10341470	
36	Cylinder Unite Power	10341389	
37	Diaphragm	10343440	
38	Ring Oil Seal	10340786	
39	Nut Road Lifting	10340348	
40	Case Power	10340257	
41	Power Servo Cyl. Assembly	10340300	
42	Rod End	10340520	
43	Plunger Assembly Shut Down	10341213	
44	Spring Accumulator Small	10340246	
45	'O' Ring ½ OD Check Value	10341250	
46	Bushing Oil Failure Value	10341304	
47	Piston Power Speed Setting	10341407	
48	Waste Oil Drain System Assembly	10980337	
49	Diaphragm Washer	10342930	

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50	Piston Over Riding	10342874	
51	Eccentric	10342760	
52	'O' Ring 11/16" O/D	10342266	
53	Retainer Shaft Bearing	10340075	
54	Bearing Support (W. W. Gov. Drive)	10122023	
55	Pinion Gear Gov. Drive Shaft (MG)	10141091 Cat.No. 4351019	
56	Plug in Base	10340063	
57	Gov. Drive Shaft Serrated for P.G. (STD) Base suit on Model PGE / PGEV / Wood Ward Gov. Size 1.25" x 98 serration (BG)	10362060	
58	Drive Shaft Key Type (MG)	10362666	
59	Base Extended Square	10340178	
60	Drive with Mounting Linkage Assembly for W. W. Governor Drive for WDS – 6R Locomotive	10050796	
61	Over Hauling Gasket Kit only	10363580	
62	Over Hauling Kit 8573 – 580 & 581	10363567	
63	Over Hauling Kit with some Critical Spares	10363439 / 3579	
64	W. W. Governor Drive with Mounting Linkage Assembly WDM – 2 Locomotive	10244141 10244165	
65	Drive Gear Nylon (Modified)	10051624	
66	Drive Gear Nylon (Non – Modified)	10241620	
67	Bevel Gear (MG)	10141080 Cat.No.4351011	
68	Pinion Gear (BG)	10243781	
69	Bevel Gear (BG)	10243719	
70	Drive Shaft with Coupling (In Match Set)	10212929 (BG) / 10243756	

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F. I. P. SPARES			
SI No.	Description	Part No.	Remarks
1	Fuel Pump Cross Head	10210088	
2	Aux. Spring Retainer Lower	10211718	
3	Aux. Spring Retainer Upper	10211445	
4	Aux. Spring Fuel Pump Cross Head Outer	10160220	
5	Aux. Spring Fuel Pump Cross Head Inner	10160310	
6	Fuel Pump Cross Head Lifter Assembly (See Annexure 'A')	10050747	
7	Air & Exhausted Push Rod Lifter Unit (See Annexure 'B')	10050656	
8	Fuel Pump Cross Head Lifter Assembly [For BG] (See Annexure 'C')	10050115	

Value Lever with Support			
SI No.	Description	Part No.	Remarks
1	Value Lever Assembly (See Annexure 'D')	10040079	

Cylinder Head Spares			
SI No.	Description	Part No.	Remarks
1	Spring Seat	10210520	
2	Spring Seat Lock	10210477	
3	Air and Exhaust Value Guide	10120385	
4	Value Lever Yoke Guide	10210714	
5	Elbow at Cylinder Block	10120701	

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Fuel Pump Control			
SI No.	Description	Part No.	Remarks
1	Pin with Eccentric Assembly	10051193	
2	Lever Eccentric Adjustment	10050401	

After Cooler			
SI No.	Description	Part No.	Remarks
1	Sleeve, Oil Inlet, Fan Shaft	10130354	
2	Shaft Fan	10211810	
3	Shaft, Spline, Fan Gear Drive	10211809	
4	Nut, Spl. Locking	10220446	
5	Cap Screw	15043060	
6	Hub, Fan Drive Gear	10140967	

Trip Over Speed			
SI No.	Description	Part No.	Remarks
1	Over Speed Trip Assembly (For MG) (See Annexure 'E')	10050863	
2	Over Speed Trip Assembly (For BG) (See Annexure 'F')	DMSP - 11520	

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Water Pump & Drive			
SI No.	Description	Part No.	Remarks
1	Sleeve Tapper	10210866	
2	Shaft with Wear Sleeve	10070400	
3	Sleeve for Shaft	10212541	
4	Retainer, Thrust Bearing	10191033	
5	Seal Plate	10120208	
6	Key	15311090	
7	Key	15312173	
8	Sleeve	10212693	
9	Oil Seal	10170807	
10	Oil Slinger Assembly	10070450	
11	Disc for Slinger	10240263	
12	Hub for Slinger	10170728	
13	Lock Wire (Base)	15330394	
14	Cap Screw	15043095	
15	Nut (Impeller Spl.)	15380166	
16	Nut (Special)	10220124	

Turbo Super Charger			
SI No.	Description	Part No.	Remarks
1	Nozzle Ring Guide	10193820	
2	Nozzle Guide Ring (Clamping Ring)	10181647	

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3	Nozzle Ring	10122515	
4	Shaft Rotor	10141042	
5	Bearing Carrier Ring	10211822	
6	Floating Bushing	10150249	
7	Thrust Washer	10240512	
8	Turbine End Bearing Carrier	10122734	
9	Bearing Sleeve	10212292	
10	Oil Seal Compressor End	10130895	

Front / Rear, Traction Motor Blower WDS – 6 Locomotive

SI No.	Description	Part No.	Remarks
1	Shaft Assembly (Including :- Shaft, Lock Nut, Lock Washer Key, Taper Sleeve, Lock Nut, Lock Washer Sleeve Ring)	11429446	
2	Shaft Assembly (Including :- Shaft, Lock Nut, Lock Washer, Key, Taper Sleeve, Lock Nut, Lock Washer, Sleeve Ring)	11429057	

Radiator Fan Drive

SI No.	Description	Part No.	Remarks
1	Bearing Shaft and Housing Radiator Fan Drive (See Annexure 'G')	11050263	
2	All Type of Beam Bush	Remarks Price will be submit as per your required item against Part No.	
3	All Type of Taper Dowel		
4	All Type of Straight Dowel		
5	All Type of Flat & Wood – Ruff Key		
6	All Type of Cap Screw (Machined Thread)		

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F. D. Spares For After Cooler Blower			
SI No.	Description	Part No.	Remarks
1	Key ½ " x ½" x 2"	15312173	
2	Cap Screw ½" – 13 x 2½"	15045195	
3	Hub	10140967	
4	'O' Ring	10171277	
5	Retaining Ring	15345208	
6	Sleeve Oil Inlet	10130354	
7	Spline Shaft	10211809	
8	Locking Nut	10220446	
9	Lock Washer 3/8"	15393124	
10	Cap Screw 3/8" – 16 x 1"	15031093	
11	Gasket	10170959	
12	Seal Retainer	10193212	
13	Oil Seal	10171228	
14	Spacer	10230919	
15	Fan Shaft	10211810	
16	'O' Ring	10171265	
17	Bushing	10211457	
18	Drive Gear	10140955	
19	Roller Bering (NC – 311)	10150274	
20	Machine Screw ¼" – 20 x ½	15153058	
21	Gasket	10170960	

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22	Cover	10192025	
23	Cap Screw 5/16 x 18 x 5/8	15043060	
24	Locking Nut	10220124	
25	Retainer Ring	15345191	
26	Ball Bearing (SKF – 6311)	10150262	
27	Spacer	10230907	
28	Lock Wire 0.54"	15330369	
29	Cap Screw 5/8 x 18 x 1¼"	15100042	
30	Idler Shaft	10141066	
31	Idler Gear	10140943	
32	Retainer Ring	15345180	
33	Gasket	10171186	
34	'O' Ring	10171253	
35	Oil Inlet Fitting	10220409	
36	Gear Casing	10121031	

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Spares List for WDS – 6, WDS – 6R & YDM – 4 (BG & MG) Locomotive			
SI No.	Description	Part No.	Remarks
1	Spring Shaft	10211809	
2	Branch Pipe	10120981	
3	Cam Roller Bushing	10211731	
4	Piston Pin with Sleeve	10030049	
5	Bearing	11400067	
6	Cam Bushing	10150080	
7	Bushing Piston Pin	10150092	
8	Sleeve Nozzle Ring	10240184	
9	Valve Seat Insert STD	10240380	
10	Valve Lever Yoke Guide	10210714	
11	Spring Seat	10210520	
12	Spring Seat Lock	10210477	
13	Value Guide STD	10120385	
14	Push Rod Sleeve	10230397	
15	Push Rod Assembly	10040092	
16	Value Lever Shaft	10210775	
17	Value Lever Casting	10130214	
18	Snap Ring V. S. Insert	15345154	
19	Spring Air / Exht.	10160115	
20	Bushing Lever	10130110	
21	Value Lever Assembly	10040079	
22	Push Rod Lifter Unit	10050656	

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23	Water Pump Assembly	10070394	
24	Water Seal Unit	10170844	
25	Oil Seal	10170807	
26	Shaft with Wear Sleeve	10070400	
27	Oil Slinger Assembly	10070450	
28	Air Seal Comp. End	10130834	
29	Oil Seal Comp. End	10130895	
30	Bearing Thrust	10211779	
31	Floating Bushing	10150249	
32	Thrust Washer	10243264	
33	Comp. End Bearing Carrier	10211183	
34	Bearing Carrier Ring	10211822	
35	Shim Bearing Carrier Ring	10240524	
36	'O' Ring Turbo Shaft	10171290	
37	Nozzle Guide Ring	10193820	
38	Bushing Push Rod Lifter	10150109	
39	Thrust Washer	10240512	
40	Turbine End Bearing Carrier	10122734	
41	Nylon Gear	10241620	
42	Gear Pinion	10141091	
43	Bevel Gear	10141080	
44	Governor Drive Assembly	10050796	
45	Control Linkage Complete Kit	10244165	
46	Shaft Fan	10211810	
47	Fan Drive Assembly	10080454	
48	Tube Fuel Injection	10050243	

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49	FPS with XHD. Lifter	10050723	
50	Aux. S/Ring FP. XHD (I)	10160310	
51	FP. XHD. Lifter	10050747	
52	Fulcrum Pin FP. Lifter	10050760	
53	Seat Push Rod / Valve Lever	10211147	
54	Cam Roller PR. Lifter	10211226	
55	Cam Roller Pin PRL.	10211172	
56	F. P. XHD Cam Roller	10211767	
57	Pin Cam Roller	10050759	
58	Fulcrum Pin P. R. L.	10210751	
59	Floating Bushing	10130299	
60	Fuel Pump Cross Head	10210088	
61	Snap Ring	15345142	
62	Bushing in Lifter	10150109	
63	Lock Plate Fulcrum Pin	10190089	
64	Strainer Element	10240196	
65	Aux. Spring FP. XHD – O	10160220	
66	Shaft	11161632	
67	Inlet F. I. Pump	10140281	
68	F. P. Control Shaft	10211585	
69	Header Fuel Inlet	10050930	
70	T / End Oil Seal	10122588	
71	Shim Turbo to Support	10193121	
72	Nozzle Guide Ring CR.	10181647	
73	Explosion Door Assembly	10020184	
74	Shaft Idler (F. D.)	10141066	

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75	Over Speed Trip Assembly	10050863	
76	Stud for Cyl. Head	10211100	
77	Nut SPL. for Stud Exp.	10220173	
78	Nut SPL. SUD – UVLC	10220161	
79	Adjusting Screw P. RD.	10210740	
80	Nut SPL. P. Rod ADJ. Screw	10220070	
81	Thrust Ball	10211123	
82	ADJ. Screw Yoke	10211019	
83	Nut Hex. ADJ. Yoke	10220021	
84	Fuel Pump Support	10121160	
85	Cam Roll Pin FP. XHD	10211720	
86	ADJ. Screw FP. XHD LFT	10210726	
87	Bearing Sleeve	10212292	
88	Thrust Bearing	10122758	
89	Retnr. T / End BRG. SLV.	10212176	
90	Valve Guide 010 O / S		
91	Valve Guide 020 O / S		
92	Valve Guide 030 O / S		
93	Elbow at Cly. Block	10120701	
94	Seat ADJ. Screw	10211159	
95	Retnr. RNG. C/Roll Pin	15345087	
96	Pinion & Bevel Gear	10051582	
97	Bushing F / Shaft E/E	10211457	
98	Shaft Idler Straight	10211548	
99	Shaft Drive & Idler Gear Set	10062013	
100	Bearing Back Plate	10130070	

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101	Bearing Face Plate	10130081	
102	Valve Seat Insert 040 O/S		
103	Valve Seat Insert 030 O/S		
104	Valve Seat Insert 020 O/S		
105	Valve Seat Insert 010 O/S	10241723	
106	Shaft Assembly F. B.	11429057	
107	Shaft Assembly R. B.	11429446	
108	Bearing (Front + Rear)	11400067	
109	Bearing Rear	11400079	
110	Spring O / S Trip	10160206	
111	Spring Reset Lever	10160188	
112	Cam Shaft Thrust Bearing	10130019	
113	Plunger & Retainer Unit	10210787	
114	Spring Retainer	10220010	
115	Carrier & Trip Weight Complete	10050917	
116	Sleeve, TPRD, Shaft to Impeller	10210866	
117	Sleeve for Shaft	10212541	
118	Key, Impeller 3/8" x 1"	15311090	
119	Key, Gear 1/2" x 1/2" x 2"	15312173	
120	Sleeve	10212693	
121	Nut impeller SPL.	15380166	
122	Pin with Eccentric Assembly	10051193	
123	Retainer Spring	10210167	
124	Lever Spring	10120671	
125	Aux. Spring Retainer (Upper)	10211445	
126	Aux. Spring Retainer (Lower)	10211718	

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Wood Ward Governor Spares					
SI No.	Description	Manual No.	W.W. Pt. No.	DLW Pt. No.	Remarks
1	Oil Seal	36628 – 62	012825	10342965	
2	Anti Blocking Ball Spring	36628 – 304	191369	10341298	
3	Straight Pin (Drilled)	33628 – 599	184654	10343040	
4	Gasket spring Guard	36628 – 210	206271	10340488	
5	Filter Screw	36628 – 592	364023	10343611	
6	Oil Seal Ring	36628 – 151	1355067	10340786	
7	Fuel Limit Lever (Floating)	36628 – 615	4455021	10362400	
8	Seal Oil (Type 'G')	36628 – 222	182171	10340350	
9	Check Value Assembly	36628 – 590	040769	10343600	
10	Spring	36628 – 742	1526815	10360852	
11	Oil Seal Compression Spring	36628 – 731	197476	10343921	
12	Gasket	36628 – 163	206055	10340180	
13	Gasket (Oil Seal / Spacer)	36628 – 61	206246	10343362	
14	'O' Ring	36628 – 219	1355053	10340531	
15	Headed Pin (Drilled)	36628 – 596	184646	10343039	
16	'O' Ring	36628 – 302	182298	10361625	
17	Needle Bearing	36628 – 762	180149	10348499	
18	Gasket	36628 – 41	206590	10344470	
19	Spring Retainer	36628 – 376	360626	10343556	
20	Drilled Pin	36628 – 752	3160045	10361959	
21	Loading Spring (S. S. P. V. Plunger)	36628 – 27	191350	10343258	
22	Loading Spring (Restoring Link)	36628 – 509	191648	10343301	

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23	'O' Ring	36628 – 708	1355100	10360803	
24	Thread Insert (5/16 x 24 x 5/8)	36628 – 49	-	Nil	
25	Adjusting Screw (Fuel Limit)	36628 – 619	1031831	10344469	
26	Load Control Link	36628 – 503	3168055	10341468	
27	Amplifier Piston	36628 – 625	3523053	10368694	
28	Over Riding Valve Plunger	36628 – 382	012442	10342898	
29	Oil Seal	36628 – 165	182149	10340099	
30	Washer (Copper)	36628 – 810	012419	10341754	
31	Drain Cock	36628 – 104	187743	10341006	
32	Drain Valve	36628 – 458	187743	10341008	
33	Over Riding Lever Loading Spring	36628 – 595	1521011	10360372	
34	Gasket	36628 – 727	206411	10343969	
35	Gasket	36628 – 344	1355111	10361583	
36	Diaphragm	36628 – 263	1390153	10363180	
37	Cover Gasket	36628 – 6	206268	10340907	
38	Knob Pin	36628 – 362	012463	10342758	
39	Steel Ball (Valve)	36628 – 709	188048	10343714	
40	'O' Ring	36628 – 342	182714	10342278	
41	Soldering Shield Washer	36628 – 811	186251	10341845	
42	Gasket	36628 – 344	1355111	10361583	
43	Shut Down Plunger Tubing	36628 – 301	189764	10341286	
44	Gasket (Valve Needle)	36628 – 210	360045	10340506	
45	Over Ridding Lever Yield Spring	36628 – 605	1521511	10360372	
46	Amplifier Pilot Valve Plunger	36628 – 627	3331040	10362009	
47	'O' Ring	36628 – 54	1355103	10360803	
48	Orifice Plate (Copper)	36628 – 586	362157	10344070	

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49	Orifice Plate (Copper)	36628 – 728	362157	10344070	
50	Loading Spring Speed Setting	36628 – 514	191633	10341596	
51	Gasket	36628 – 585	206411	10343969	
52	Stud Ball	36628 – 574	188048	10343714	
53	Guide Bushing (Press Fit)	36628 – 813	0183271	10341699	
54	Knob	36628 – 361	012462	10342746	
55	Value Bushing Gasket	36628 – 258	206248	10343374	
56	Gasket (Column / Case)	36628 – 40	206165	10341146	
57	Nylok Button Screw	36628 – 711	1101531	10349893	
58	Cover Gasket	36628 – 434	206310	10342631	
59	Gasket	36628 – 116	206165	10341146	
60	Speed Nut (8 / Type – J)	36628 – 820	189759	10341882	
61	Restoring Link	36628 – 508	012538	10341470	
62	Ball Spring	36628 – 477	191787	10361819	
63	Side Plate Gasket	36628 – 429	206584	10343386	
64	Sensor / Piston Sleeve	36628 – 747 / 551	3467027	10348426 / 25	
65	Regulating Bushing Retainer Spring	36628 – 15	191651	10343325	
66	Needle Bearing	36628 – 758	180149	10348499	
67	Terminal Block Assembly	36628 – 444	1604109	10341808	
68	Load Control Bushing	36628 – 59	369151	10344445	
69	Loading Spring	36628 – 60	191699	10343349	
70	Solenoid Plunger Push Rod	36628 – 809	012418	10341742	
71	Tail Rod Power Piston	36628 – 213	012493	10340336	
72	Headed Pin	36628 – 305	189764	10341286	
73	Solenoid Plunger Stop	36628 – 802	0012421	10341766	
74	Spring Seat (Adj. Screw)	36628 – 272	3561071	10362654	

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75	Bushing	36628 – 765	183321	10348384	
76	Spanner Nut	36628 – 463	190262	10342345	
77	Eccentric	36628 – 717	3621010	10362228	
78	Hex Nut (2 Type)	36628 – 132	1131869	10360750	
79	Solenoid Guide	36628 – 812	012416	10341675	
80	Washer (Insulating)	36628 – 447	109265	10363130	
81	Solenoid Plunger	36628 – 807	012417	10341615	
82	Pilot Valve Plunger (SS)	36628 – 26	361207	10344433	
83	Anti Blocking Pin	36628 – 307	012453	10341225	
84	Straight Pin	36628 – 21	184642	10343430	
85	Straight Pin (Drilled)	36628 – 22	184654	10340040	
86	Connecting Block	36628 – 372	4753015	10342710	
87	Anti Blocking Ball Seal	36628 – 308	1012499	10341249	
88	Orifice Packing Spring	36628 – 587	191476	10343921	
89	Knob Spring	36628 – 363	191633	10341596	
90	Shut Down Plunger Spring	36628 – 309	191636	10343271	
91	Pilot Value Loading Spring	36628 – 628	1520516	10348670	
92	Spring	36628 – 127	1520515	10340774	
93	Return Spring (O. R. V. P.)	36628 – 383	1522327	10360839	
94	Eccentric	36628 – 369	012466	10342760	
95	Needle Screw	36628 – 473	360325	10362110	
96	Pilot Pin	36628 – 626	316104	10349819	
97	Spring Seat	36628 – 556	3429051	10362010	
98	'O' Ring	36628 – 265	1355029	10363178	
99	Gasket Copper	36628 – 573	3057810	10348347	
100	Keyed Hock Washer	36628 – 464	189289	10342357	

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101	Fly Weight Pin	36628 – 145	184679	10340660	
102	Anti Blocking Ball	36628 – 306	189467	10341274	
103	'O' Ring	36628 – 342	182714	10342278	
104	Pin for Diaphragm	36628 – 739	3523057	10362034	
105	Gasket / Oil Seal	36628 – 39 / 154	206148	10341134	
106	Needle Bearing	36628 – 612	180136	10343659	
107	Diaphragm	36628 – 268	1390151	10361595	
108	Centering Bearing	36628 – 150	180183	10340695	
109	Headed Pin (Drilled)	36628 – 606	184646	10343039	
110	Gasket / 'O' Ring	36628 – 346	Nil	Nil	
111	Fuel Limit Floating Lever	36628 – 613	5383047	10361840	
112	Brush Drive Shaft	36628 – 467	360332	10342370	
113	Check Ball (3/16" Dia)	36628 – 476	188372	10361730	
114	Altitude Compensation Bellows	36628 – 740	3059319	10362540	
115	Drive Shaft	36628 – 168	360040	10362060	
116	Pivot Pin (F. L. Lever)	36628 – 621	3161049	10349819	

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PRODUCT LIST

Fuel Pump Support With Cross Head Lifter Assembly DLW Part No. 10050723			
SI No.	Description	Part No.	Remarks
1	Fuel Pump Support	10121160	
2	Stud Special for Cover	10210829	
3	Fuel Pump Cross Head	10210088	
4	Aux. Spring Retainer Lower	10211718	
5	Aux. Spring Retainer Upper	10211445	
6	'O' Ring Upper Aux Spring Retainer	10171289	
7	Aux. Spring Fuel Pump Cross Head Outer	10160220	
8	Aux. Spring Fuel pump Cross Head Inner	10160310	
9	Fuel Pump Cross Head Lifter Assembly	10050747	
10	Fuel Pump Cross Head Lifter	1024020	
11	Adjusting Screw	10210726	
12	Adjusting Screw Seat	10211159	
13	Snap Ring	15345142	
14	Nut Spl. Adjusting Screw	10220070	
15	Fuel Pump Cross Head Cam Roller	10211767	
16	Cam Roller Bushing	10211731	
17	Cam Roller Pin Assembly	10050759	
18	Special Dowel	10210015	
19	Locking Plate for Cam Roller	10180412	
20	Cap Screw Locking Plate to Lifter	15043058	
21	Lock Wire	15330369	
22	Floating Bushing for Lifter	10130974	

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PRODUCT LIST

23	Fulcrum Pin for Fuel Pump Lifter	10050760	
24	Locking Plate for Fulcrum Pin	10190089	
25	Cap Screw Locking Plate to Fuel Pump Support	15044075	
26	Washer	15390123	
27	Lock Wire	15330369	
28	Air & Exhaust Push Rod Lifter Assembly	15330369	
29	Air & Exhaust Push Rod Lifter	10050656	
30	Bushing in Lifter	10150109	
31	Push Rod Lifter Seat	10211147	
32	Cam Roller	10211226	
33	Cam Roller Pin	10211172	
34	Retaining Ring for Cam Roller Pin	15345087	
35	Fulcrum Pin for Push Rod Lifter	10210751	
36	Taper Dowel Fulcrum Pin to Fuel Pump Support	10299211	
37	Spacer for Push Rod Lifter	10180424	
38	Inspection Cover at Lower Fuel Pump Support	10240019	
39	Gasket Cover to Support	10170170	
40	Cap Screw Cover to Support	15031070	
41	Lock Washer	15393124	

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PRODUCT LIST

FUEL PUMP CROSS HEAD LIFTER ASSEMBLY DLW PART NO.10050747 CONSISTING SPARES AS UNDER:-			
SI No.	Description	Part No.	Remarks
1	Fuel Pump Cross Head Lifter Assembly	10050747	
2	Fuel Pump Cross Head Lifter	1024020	
3	Adjusting Screw	10210726	
4	Adjusting Screw Seat	10211159	
5	Snap Ring	15345142	
6	Nut Spl. Adjusting Screw	10220070	
7	Fuel Pump Cross Head Cam Roller	10211767	
8	Cam Roller Bushing	10211731	
9	Cam Roller Pin Assembly	10050759	
10	Special Dowel	10210015	
11	Locking Plate for Cam Roller	10180412	
12	Cap Screw Locking Plate to Lifter	15043058	
13	Lock Wire	15330369	
14	Floating Bushing for Lifter	10130974	
15	Fulcrum Pin for Fuel Pump Lifter	10050760	

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PRODUCT LIST

ANNEXURE 'B'			
SI No.	Description	Part No.	Remarks
1	Locking Plate for Fulcrum Pin	10190089	
2	Cap Screw Locking Plate to Fuel Pump Support	15044075	
3	Washer	15390123	
4	Lock Wire	15330369	
5	Air & Exhaust Push Rod Lifter Assembly	15330369	
6	Air & Exhaust Push Rod Lifter	10050656	
7	Bushing in Lifter	10150109	
8	Push Rod Lifter Seat	10211147	
9	Cam Roller	10211226	

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PRODUCT LIST

ANNEXURE 'C'			
SI No.	Description	Part No.	Remarks
1	Fuel Pump Support Only	10120427	
2	Stud. Spl. for cover	10210829	
3	Cross Head Unit		
4	Fuel Pump Cross Head	10210088	
5	Auxiliary Spring Retainer, lower	10210878	
6	Auxiliary Spring Retainer, upper	10210295	
7	Auxiliary Spring, fuel pump cross head	10160127	
8	Fuel Pump Cross Head Lifter	10140402	
9	Adjusting Screw	10210726	
10	Adjusting Screw Seat	10211159	
11	Snap Ring	15345142	
12	Adjusting Screw Nut	10220070	
13	F. P. Cross Head Cam Roller	10211238	
14	Cam Roller Bushing	10211160	
15	Cam Roller Pin	10211111	
16	Straight Dowel, 1/4" x 3/8" long	10210015	
17	Locking Plate for Cam Roller Pin	10180412	
18	Cap Screw, Locking Plate to Lifter 5/16" – 18 x 1/2" long.	15043058	
19	Lock Wire, .054" dia x 6" long	15330369	
20	Floating Bushing for lifter	10130020	
21	Fulcrum Pin for F. P. Lifter	10050346	

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PRODUCT LIST

22	Special Dowel	10210027	
23	Pipe Plug 1/8" IPS Sq. Hd.	11290729	
24	Locking Plate for Fulcrum Pin	10190089	
25	Cap Screw Locking Plate to F. P. Support 3/8" – 16 x 3/4" long	15044075	
26	Washer 3/8"	15390123	
27	Air and Exhaust Push Rod Lifter Unit	10050656	
28	Air and Exhaust Push Rod Lifter Only	10140244	
29	Bushing In Lifter	10150109	
30	Push Rod Lifter Seat	10215579	
31	Cam Roller	10211226	
32	Cam Roller Pin	10211172	
33	Retaining Ring for Cam Roller in	15345087	
34	Fulcrum Pin for Push Rod Lifter	10210751	
35	Taper Dowel, Fulcrum Pin to F. P. Support No. 5" x 3" long.	15299211	
36	Spacer for Push Rod Lifter	10180424	
37	Gasket Compound, Support to Cyl. Block	10300004	
38	Cap Screw, Support to Cyl. Block, 5/8" – 11 x 1 – 3/4" long.	15090152	
39	Cap Screw, Support to Cyl. Block, 5/8" – 11 x 3" long.	15090218	
40	Lock Washer 5/8"	15393161	
41	Inspection Cover as Lower F. P. Support	10240019	
42	Gasket, Cover to Support	10170170	
43	Cap Screw, Cover to Support 3/8" – 16 x 3/4" lg	15031070	
44	Lock Washer, 3/8"	15393124	
45	Fuel Pump Support Cover	10130226	
46	Knob, Fastening Cover	10140062	
47	Knob Washer	10240044	

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PRODUCT LIST

48	Gasket, Support Cover to Block	10170601	
49	Grommet, Support Cover	10170741	
50	Stopper in Grommet	10170753	

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PRODUCT LIST

VALVE LEVER WITH SUPPORT DLW PART NO.10040079 CONSISTING SPARES AS UNDER:-			
SI No.	Description	Part No.	Remarks
1	Value Lever	10140268	
2	Plug, Oil Hold Spl. Dowel	10210027	
3	Bushing, in Lever	10150110	
4	Adjusting Screw, Push Rod	10210740	
5	Nut, spl.	10220070	
6	Seat, Value Lever	10211147	
7	Thrust Ball	10211123	
8	Snap Ring	15345142	
9	Support, Value Lever Shaft	10120026	
10	Stud, in support	10210830	
11	Value Lever Shaft	10210775	
12	Capscrew, $\frac{3}{4}$ " – 10 x 5 – $\frac{1}{2}$ " Soc. Hd. hd shaft and support to cyl. Head	15087311	

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PRODUCT LIST

ANNEXURE 'E'			
SI No.	Description	Part No.	Remarks
1	Over speed trip housing	10120889	
2	Bearing Loading Dowel, in housing, 3/8" x 5/8"	15285066	
3	Cam Shaft Thrust Bearing	10130019	
4	Trip Lever Shaft	10211512	
5	Taper Dowel, Shaft to Housing No. 3 x 2 – 1/4" lg.	15298188	
6	Trip Lever	10050840	
7	Retaining Ring, Trip Lever to Shaft	15345178	
8	Control Cable	10240950	
9	"O" Ring Control Cable to Housing	10171241	
10	Cap Screw, for Clamping Cable 3/8" – 16 x 1 – 3/4" lg.	15060159	
11	Lock Washer, 3/8"	15393124	
12	Rod End	10141029	
13	Nut, Cable to Rod, 1/4 - 28	15355100	
14	Pin, Rod End to Trip Lever	10240573	
15	Cotter Pin, 1/16" x 5/8"	15320066	
16	Control Cable End Housing	10130305	
17	Capscrew, for Clamping Cable, 3/8" – 16 x 2" lg.	15060172	
18	Lock Washer, 3/8"	15393124	
19	Trip Cable Spring	10160190	
20	Control Cable End	10211639	
21	Shut Down Knob, Over Speed Trip	10130317	
22	Straight Dowel, Knob to Control Cable End 3/32 x 7/8" lg.	15280081	

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PRODUCT LIST

23	Carrier and Trip Weight Complete	10050917	
24	Over Speed Trip Weight Carrier	10211706	
25	Plunger and Retainer Unit	10210787	
26	Spring Retainer	10220010	
27	Lock Nut	15380087	
28	Straight Dowel, Plunger to Carrier 5/16" x 2 – 1/4" lg.	15284189	
29	Spring Seat	10210155	
30	Spring	10160206	
31	Cap screw, Carrier to Cam Shaft 1/2" – 13 x 3 – 1/4" lg.	15045225	
32	Lock Wire .080" x 12" lg.	15330370	
33	Cap Screw, O. S. Trip housing to Cyl. Blk. 5/8" – 11 x 1 – 3/4" lg.	15090152	
34	Lock Washer 5/8"	15393161	
35	Shim Housing to Cylinder Block	10240639	
36	Shim Housing to Cylinder Block	10240640	
37	Shim Housing to Cylinder Block	10240652	
38	Shim Housing to Cylinder Block	10240664	
39	Gasket, Shim to Housing and Cylinder Block	10170285	
40	Housing Cover	10120890	
41	Pipe Plug, csk. In cover, 1" IPS	11291722	
42	Gasket, Cover to Housing	10170900	
43	Cap Screw, Cover to Housing 3/8" – 16 x 1" lg.	15031093	
44	Lock Washer 3/8"	15393124	
45	Air Damper Shaft	10211664	
46	Air Damper Shaft Bushing, in support	10150225	
47	Air Damper Shaft Bushing, in support	10150213	
48	Air Damper Shaft Oil Seal	10171216	

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PRODUCT LIST

49	Air Damper Lever	10050875	
50	Key, Lever to Shaft 3/16" x 3/16" x 4" lg.	15310225	
51	Set Screw, Soc. Hd. Lever to Shaft 5/16" – 18 x 5/16" lg.	15251020	
52	Air Damper	10050929	
53	Spring Washer for Air Damper	15410183	
54	Sq. hd Nur 1/2" – 13	15354143	
55	Straight Dowel, Nut to Air Damper 1/8" x 1" lg.	15281097	
56	Thrust Collar, Air Damper Shaft	10130329	
57	Fl. hd. Machine screw, Thrust Collar to Casing 1/4" – 20 x 5/8" lg.	15153960	
58	Air Damper Reset Lever	10050851	
59	Cap Screw, Lever Clamping 1/2" – 13 x 1 – 1/2"	15032139	
60	Lock Washer 1/2"	15393148	
61	Spl. Dowel, Reset Lever to Shaft	10240299	
62	Reset Lever Spring	10160188	
63	Shim, Control Housing to Support	10240676	
64	Shim, Control Housing to Support	10181120	
65	Cap Screw, Control Housing to Support 1/2" – 13 x 1 – 1/4" lg.	15032115	
66	Lock washer 1/2"	15393148	
67	Access Flange Cover, Gear Casing and Support	10050966	
68	Taper Dowel, Cover to Gear Casing No 3 x 3/4" lg.	15293075	
69	Gasket, Cover to Support	10170911	
70	Cap Screw, Cover to Support, 3/8" – 16 x 7/8" lg.	15031081	
71	Lock Washer 3/8"	15393124	
72	Micro Switch	10240860	
73	Machine Screw, Micro Switch to Cover No. 10 – 24 x 1 – 1/2" lg. Rd. hd.	15157131	
74	Lock Washer No. 10	15393082	

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PRODUCT LIST

ANNEXURE 'F'			
SI No.	Description	Part No.	Remarks
1	Dowel, Thrust Bearing to Lower Housing 3/8" dia x 5/8" long	15285066	
2	Lever Trip	10050190	
3	Shaft Trip Lever	10210386	
4	Dowel Taper, Spl. Lever to Shaft	10240287	
5	Seal Oil Shaft to Booster Pump Support	10170765	
6	Handle, Trip Lever	10050644	
7	Dowel, Spl. Handle to Shaft	10240287	
8	Spring, Trip Lever	10160012	
9	Screw, Spl. Trip Lever Spring	10210556	
10	Nut 3/8" – 16	15350125	
11	Lock Washer 3/8"	15393124	
12	Gasket, Copper	10170649	
13	Lever Arm	10130172	
14	Shaft, Lever Arm	10210398	
15	Dowel, Taper, Spl. Lever Arm to Shaft	10240299	
16	Seal Oil Lever Arm	10170777	
17	Spring Torsion	10160140	
18	Spacer	10210428	
19	Cover Spring	10120117	
20	Capscrew Cover to Upper Bushing 3/8" – 16 x 2" lg.	15031172	
21	Lock Washer 3/8"	15393124	
22	Handle Reset (Casting)	10120683	

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PRODUCT LIST

23	Handle Reset (Fabricated)	10050632	
24	Pin, Handle To Shaft	10240330	
25	Spring, Reset Handle to Turbo Support	10160024	
26	Set Screw, Pin to Handle ¼" – 20 x 3/8" lg.	15250039	
27	Capscrew Spl. Lever Stop	10220100	
28	Lock Washer 7/8"	15393203	
29	Screw, Spl. Trip Lever Stop	10210362	
30	Nut 3/8" – 16	15350125	
31	Lock Washer 3/8"	15393124	
32	Pin Cotter 3/32" x ¾" long	15321071	
33	Spacre, Spring Cover	10191471	
34	Bushing, Lever Arm Shaft	10150158	
35	Pin, Spirol, Spring Cover Spacer to Upper Housing	15330230	
36	Plate Thrust	10190569	
37	Carrier, Over Speed Trip Weight (950 – 1000 RMP)	10050498	
38	Carrier, Over Speed Trip Weight	10210910	
39	Seat Spring	10210155	
40	Dowel, Straight, Plunger to Carrier, 5/16" Dia x 2" long	15284177	
41	Plunger	10210787	
42	Retainer	10220010	
43	Lock Nut, Retainer to Plunger 3/8" – 24	15380087	
44	Spring (950 – 1000 RMP)	10160152	
45	Lock Plate	10180011	
46	Stud, Lock Plate and Carrier to Camshaft	10211056	
47	Nut, ½" – 13	15351142	
48	Lock Wire 0.080" Dia x 24" long	15330370	

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PRODUCT LIST

49	Capscrew, Lower Housing	15090176	
50	Lock Washer 5/8'	15393161	
51	Pin, Spirol Lower Housing	15330280	
52	Cover Lower Housing	10120087	
53	Pipe Plug 1" IPS Hex. Soc.	11291722	
54	Gasket Cover to Housing	10170066	
55	Capscrew, Cover to Housing, 3/8' – 16 x 1" long	15031093	
56	Lock Washer 3/8"	15393124	

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PRODUCT LIST

ANNEXURE 'G'			
SI No.	Description	Part No.	
1	Shaft	11161632	
2	Pin, Cotter, 1/4" x 3" long.	15330023	
3	Nut, Universal End	11161644	
4	Washer	15410134	
5	Key, Universal End	11190140	
6	Bolt, Cover, 1/2" – 13 x 2 – 1/2" long red. Hex. Drilled Hd	15049190	
7	Washer, Spring Lock 1/2"	15394141	
8	Cover, Upper or Lower	11250239	
9	Shim, Upper and Lower Cover	11104764	
10	Bearing (Norma Haff man)	11400055	
11	Housing, Bearing	11250227	
12	Key Fan End	11190139	
13	Washer Plain 1 – 1/4"	15390240	
14	Nut Fan End	11161656	
15	Pin, Cotter 3/16" x 3" long.	15330114	
16	Bearing MTC	11400249	