

Combined Dryers

Models

AD35 AD35A AD36 AD37 AD38 AD39 AD50 AD52 AD53 AD55 ED50 ED52 ED53 ED54 ED55 ED56 SDA53A SDA54E



PRODUCTS

Brand Fisher & Paykel, Frigidaire, Kelvinator, Shacklock, Whiteway

Voltage 220-240V 50Hz, 230-240V 50Hz*

Model	Code
AD35	94827 94829 96433
AD35A	96435
AD36	90920 91920 94923
AD37	96921
AD38	90922 91922 93922 94932 94933
AD39	90120 90980 91120 91980 92110 92508 93110 93180 93508 93980 94120 94240 94250* 94340 94410* 94440 94508 94512 94540
AD50	94840 96440 96450
AD52	90940 91940 93940 94940 94941 94942 94943 94944
AD53	90941 91941 93941 94951 94952 94953
AD55	90123 90983 91123 91983 92113 92509 93113 93183 93509 93983 94118 94243 94253* 94343 94413* 94444 94509 94513 94543
ED50	94810 94813 94815 96412 96818
ED52	90960 91960 93960
ED53	90961 91961 93961
ED54	90962 91962 93962 94981 94982 94983 94984
ED55	90126 90986 91126 91986 92116 92510 93116 93186 93510 93986
ED56	90129 90989 91129 91989 92119 92511 93119 93189 93511 93989 94119 94249 94259* 94419* 94449 94511 94514 94549

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MANUAL 517708

PRODUCTS

Brand Fisher & Paykel, Frigidaire, Kelvinator, Shacklock, Whiteway

Voltage 220-240V 50Hz, 230-240V 50Hz*

Model Code

SDA53A 92941

SDA54E 92962

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GUIDE TO USING THIS MANUAL

The model(s) and/or series covered by this manual are listed on the front cover.

The information detailed in this manual is subject to change without notice, the latest version is indicated by the reprint date and replaces any earlier editions.

The front cover picture shows the type of product and may not necessarily be an exact image of the models covered by the manual.

Part References

Where a Model is shown, the part is exclusive to the Model(s) stated. Common parts relating to a part reference are applicable to all other Model(s) which use the particular item.

Kit Parts

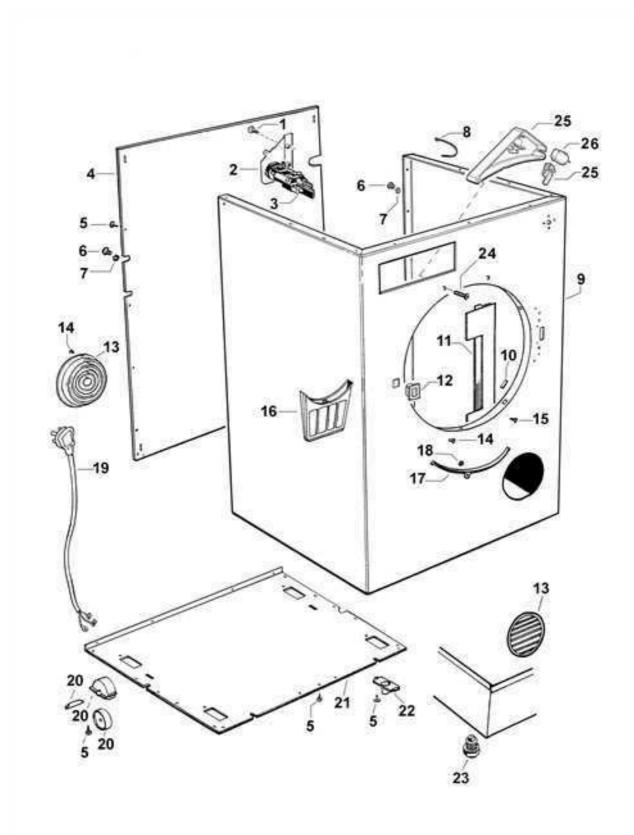
The components shown in *italics* are those parts in the kit which are available also as separate items. In addition, some parts may be supplied with this kit which are not available as separate items and are therefore not listed in this manual.

All details relating to Technical Bulletins or Notes are shown on a dedicated page. The Technical Bulletin Number shown relates to the bulletin version which is produced for New Zealand Service Centres.

Parts List Key

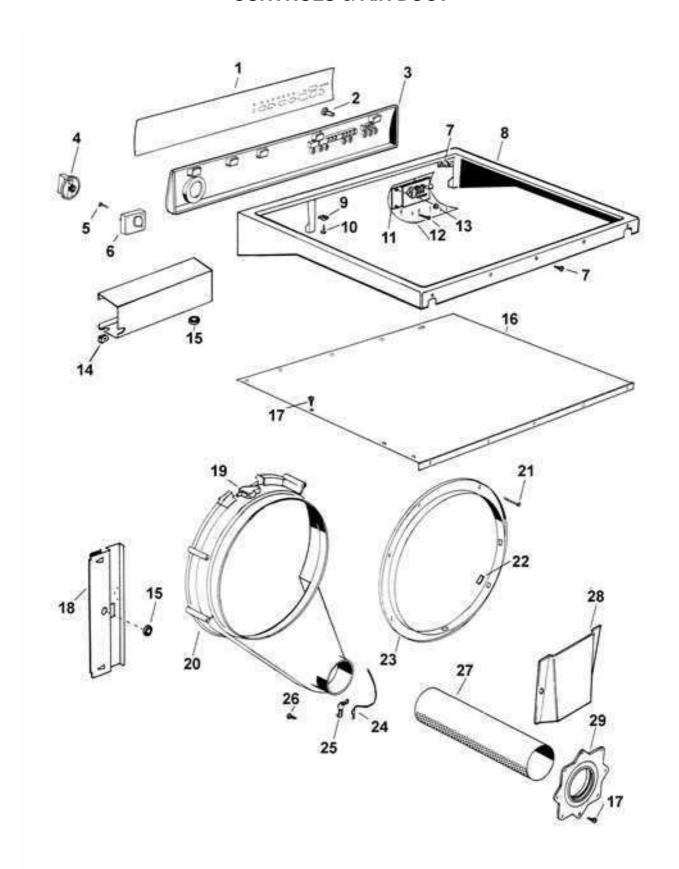
NOT USED	As a part, indicates the diagram part reference is not used in this manual.
#	Beside the part number, indicates the part is no longer available.
italics	Kit components shown in <i>italics</i> are also available separately.
*	Indicates a technical bulletin or note exists for the part or part reference.
NI	As a part reference, indicates the part is not illustrated on the diagram.

CABINET

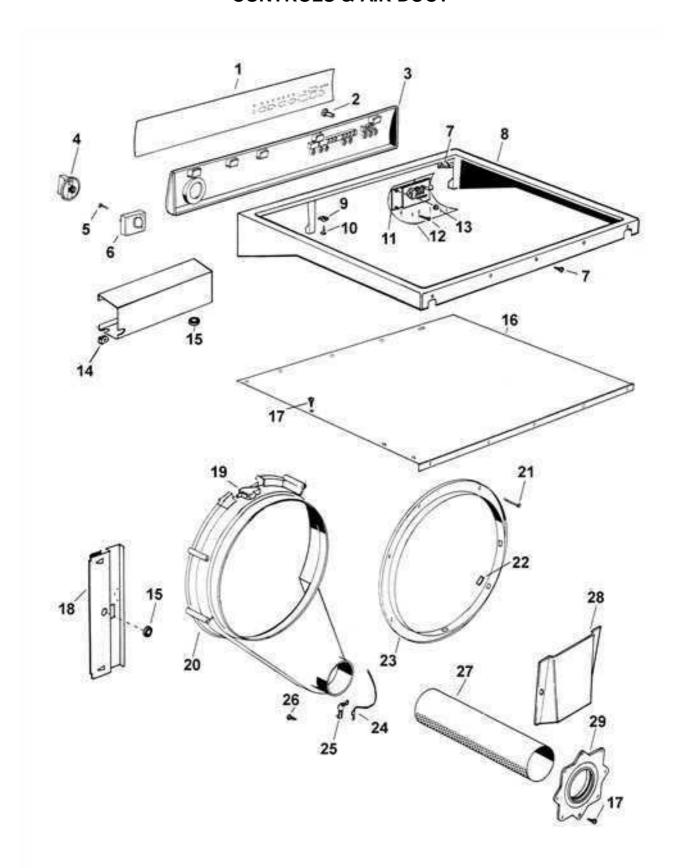


CABINET

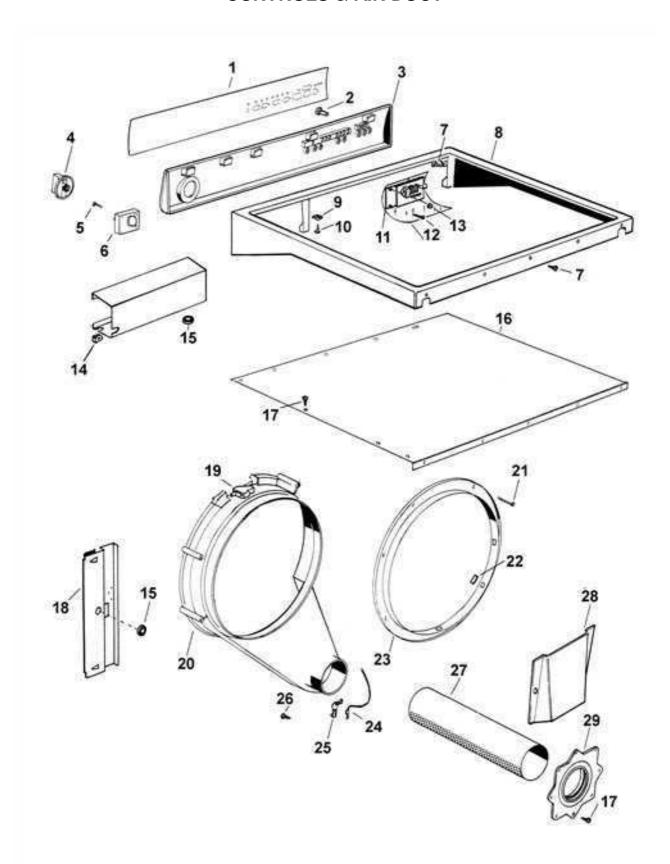
REF		PART		DESCRIPTION	MODEL
1		SP0201P		SCREW 8X12 PAN PH NIB PKT10	
2		427097		BRACKET MAINS CABLE	
3		427102		CABLE ENTRY	
4		427095		BACK CABINET FRONT VENT	
		427096		BACK CABINET REAR VENT	
5		611978P		SCREW ST 8X10 SD MSH PH HS ZNP	
7		611625P		WASHER LOCK 3/16 EXT SERR ZNPL	
8		621936		TIE CT120M ACTIVE	
9	*	410380		WRAPPER CABINET WHITE AD3	
	*	427373		CABINET AD3	
	*	427431P		WRAPPER CABINET D3 PKD	
		460493		WRAPPER CABINET REAR VENTING E	
		460551		WRAPPER CABINET REAR VENTING A	
10		460286		BEARING REVERSIBLE	
11		460495		SHIELD WIRING	
12		410128		CATCH	
13		460412		GRILLE AIR INTAKE AD3	
		460997		GRILLE INTAKE ROUNDED	
14		613111		RIVET 1/8 ALUM 73AS-4-3	
15		611914P		SCREW ST 10X1/2 TAB PAN PH X10	
16		460546		FILTER ASSY	
17		460768		TRIM LINT FILTER WHITE	
18		611626		WASHER PLAIN 1/8X5/16X20G MS Z	
19		427299		CABLE MAINS ASSY	
20		410129P		KIT WHEELS DRYER X 2	
			410022	HOUSING ROLLER (M)	
			410034	WHEEL(M)	
			410677	AXLE PLATED	
21		410002		BASE CABINET AD3	
		460539		BASE CABINET D5	
22		427313		FOOT	
23	*	472969P		KIT FOOT & INSERT	
24		611986P		SCREW ST 8X20MM HILO (PKT10)	
25	*	427537P		KIT AD39 DOOR SWITCH	
			427535	LEVER MICRO SWITCH YELLOW	
			427536	HOUSING MICRO SWITCH	
26		427343		MICROSWITCH D3 KWMD-0004	



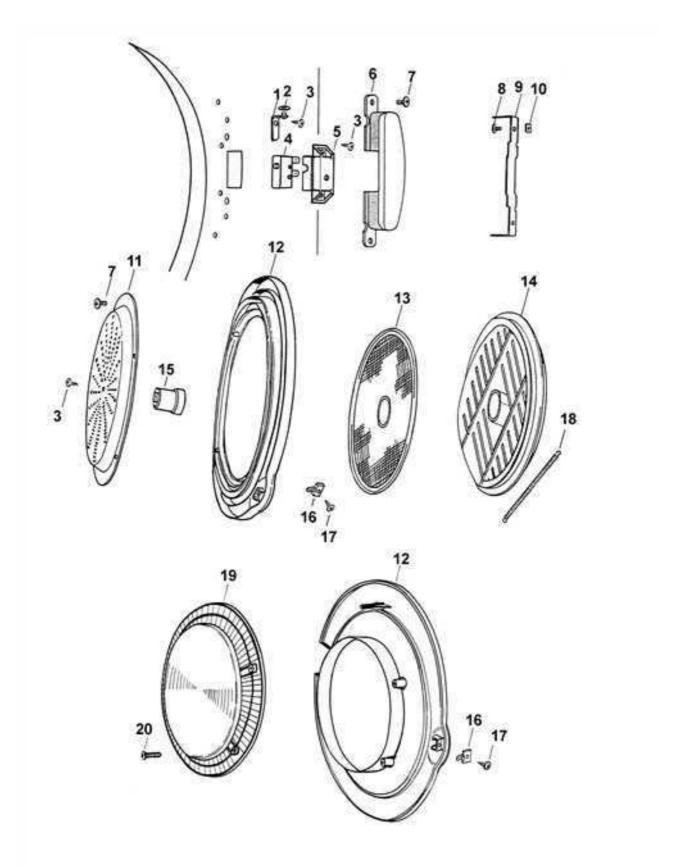
REF	PART	DESCRIPTION	MODEL
1	427034P	PANEL CONTROL AD38 F&P INV.	AD38
	427152P	PANEL CONTROL AD39 FRIG EX	AD39
	427160P	PANEL CONTROL AD39 F&P	AD39
	427183P	PANEL CONTROL INV AD39-U	AD39
	427322P	PANEL CONT F&P AD3 OR/GY	AD39
	427332P	PANEL CONT INV AD3 F&P OR/GY	AD39
	427479P	PANEL CONTROL AD39AU FP	AD39
	427489P	PANEL CONTROL INV AD39AU FP	AD39
	427555P	PANEL CONTROL AD39 SH	AD39
	427556P	PANEL CONTROL INV AD39 SH	AD39
	427557P	PANEL CONTROL AD39 AD55 FP	AD39
	427560P	PANEL CONTROL INV AD39 AD55 FP	AD39
	427563P	PANEL CONTROL AD39 AD55 SHACK	AD39
	427565P	PANEL CONTROL INV AD39 AD55 SH	AD39
	427490P	PANEL CONTROL INV AD55 AU FP	AD53
	427161P	PANEL CONTROL AD55 F&P	AD55
	427325P	PANEL CONTROL AD55 OR/GY F&P	AD55
	427482P	PANEL CONTROL AD55 AU FP	AD55
	427490P	PANEL CONTROL INV AD55 AU FP	AD55
	427551P	PANEL CONTROL AD55 SHACKLOCK	AD55
	427552P	PANEL CONTROL INV AD55 SHACKLOCK	AD55
	479142P	PANEL CONTROL ED52 UNBRANDED P	ED50
	479143P	PANEL CONTROL INV ED52 UNBRANDED	ED50
	479142P	PANEL CONTROL ED52 UNBRANDED	ED52
	479143P	PANEL CONTROL INV ED52 UNBRANDED	ED52
	427334P	PANEL CONTROL INV ED55-U	ED53
	427171P	PANEL CONTROL ED56 KELV EX	ED54
	427492P	PANEL CONTROL INV ED56 AU FP	ED54
	427334P	PANEL CONTROL INV ED55-U	ED55
	427485P	PANEL CONTROL ED55 AU FP	ED55
	427491P	PANEL CONTROL INV ED55 AU FP	ED55
	427558P	PANEL CONTROL ED55 FP	ED55
	427561P	PANEL CONTROL INV ED55 FP	ED55
	427171P	PANEL CONTROL ED56 KELV ROW	ED56
	427182P	PANEL CONTROL INV ED56 SHACK ROW	ED56



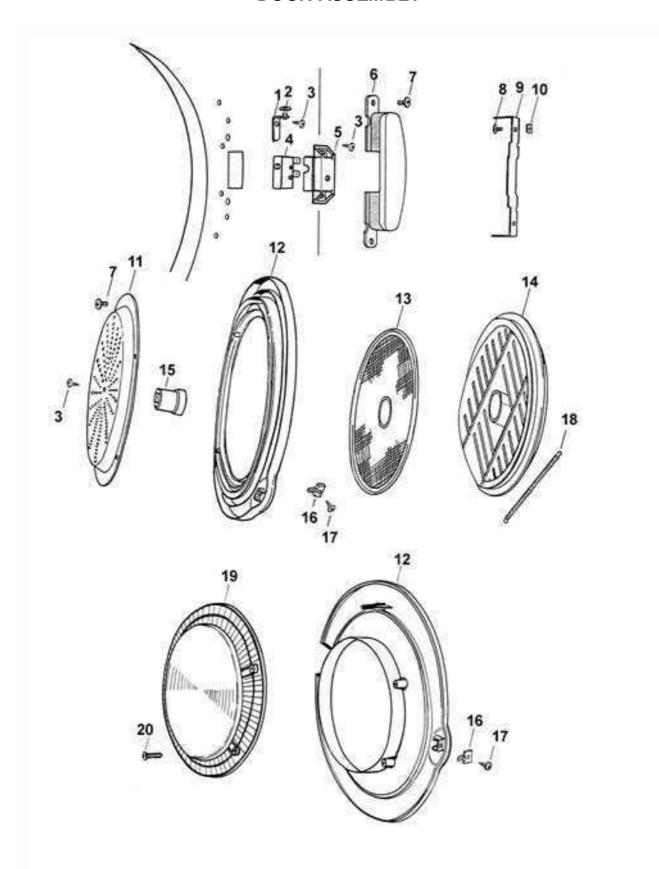
REF	PART	DESCRIPTION	MODEL
1	427332P	PANEL CONTROL INV AD3 F&P OR/GY	ED56
	427424P	PANEL CONTROL ED56 INTUITVE AU FP	ED56
	427488P	PANEL CONTROL ED56 AU FP	ED56
	427492P	PANEL CONTROL INV ED56 AU FP	ED56
	427553P	PANEL CONTROL ED56 SHACK HK	ED56
	427554P	PANEL CONTROL INV ED56 SH	ED56
	427559P	PANEL CONTROL ED56 FP	ED56
	427562P	PANEL CONTROL INV ED56 FP	ED56
2	460602	PLUNGER TACT SWITCH	
3	427138P	CONSOLE WHITE PKD	
3	460783P	CONSOLE GREY	
	460947P	CONSOLE LT GREY PACKED	
4	427146	KNOB ASSY WHITE	
		260160 COMPRESSION RING SPIRE SCB1730	
	460977	KNOB ASSY LT GREY	
		260160 COMPRESSION RING SPIRE SCB1730	
5	610103P	SCREW MC M3 04MM PAN PH MS X10	
6	460432P	TIMER PROGRAMME PACKED	
	460536P	TIMER PROG/REVERSING PACKED	
7	611978P	SCREW ST 8X10 SD MSH PH HS ZNP	
8	460762P	TRIM CABINET D5 WHITE PKD	
	460944P	TRIM CABINET WHITE AD3 PKD	
9	613602	NUT CAPTIVE NO8 SPIRE SNU3194-	
10	611923P	SCREW ST 8X5/8 TAB MSH PH X10	
11	* 460555P	PCB ASSY ED50/52 REBLT/EXCHNGE	ED50
	* 460555P	PCB ASSY ED50/52 REBLT/EXCHNGE	ED52
	427023P	PCB ASSY ED53 REBUILT/EXCHANGE	ED53
	* 427317P	PCB ASSY REBUILT/EXCHANGE	ED53
	427024P	PCB ASSY ED54 REBUILT/EXCHANGE	ED54
	* 427318P	PCB ASSY REBUIT/EXCHANGE	ED54
	427023P	PCB ASSY ED53 REBUILT/EXCHANGE	ED55
	* 427317P	PCB ASSY REBUILT/EXCHANGE	ED55



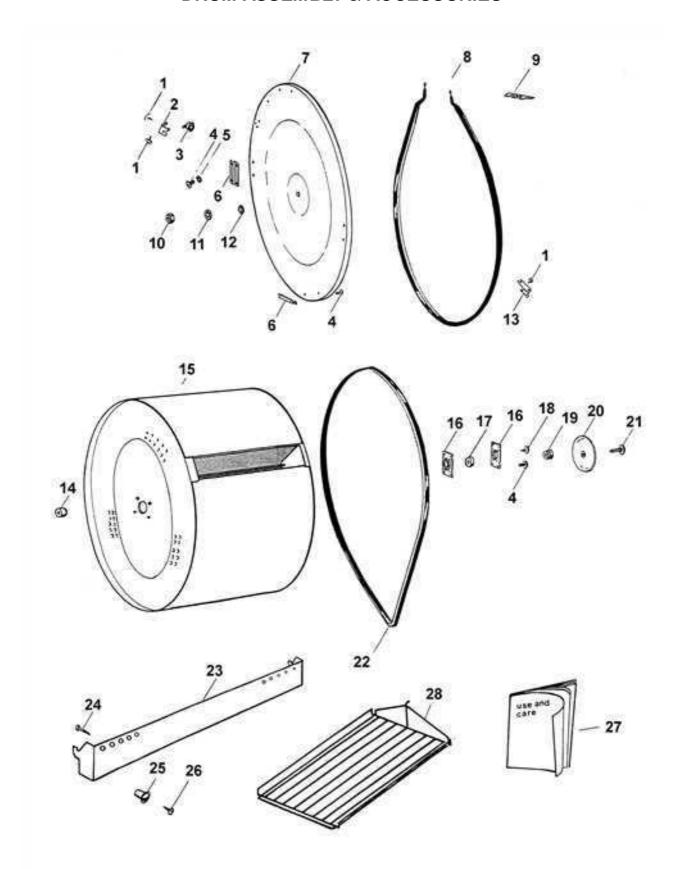
REF	PART	DESCRIPTION	MODEL
11	427024P	PCB ASSY ED54 REBUILT/EXCHANGE	ED56
*	427318P	PCB ASSY REBUIT/EXCHANGE	ED56
12	611990P	SCREW ST 6X30MM TAB PKTS X 10	
13	611108P	NUT M3 HEX MC MS ZNPL X10 PKD	
14	422552	GROMMET D	
15	427123	GROMMET HARNESS DRYER	
16	410021P	TOP CABINET WHITE AD3 PKD	
	460002P	TOP CABINET WHITE D5 PACKED	
17	SP0201P	SCREW 8X12 PAN PH NIB PKT10	
18	460495	SHIELD WIRING	
19	427376	MICROSWITCH ED KWBE-0001	
	427520	LEVER MICRO SWITCH D3 RED	
20	460868	DUCT & SEAL ASSY WHITE	
21	611986P	SCREW ST 8X20MM HILO (PKT10)	
22	460286	BEARING REVERSIBLE	
23	460492	SUPPORT DRUM FRONT	
24	427029P	SENSOR ASSY EXHAUST	
	460608P	SENSOR ASSY EXHAUST	
25	460675	MOUNT EXHAUST SENSOR	
26	611983P	SCREW ST 6X3/8 T23 PAN PH HS P	
27	427319	PIPE EXHAUST - PP	
	460521	PIPE EXHAUST AD/ED5	
28	460828	DEFLECTOR VENT AD/ED5	
29	410843	NUT FLEXIBLE HOSE	
NI	460917	GASKET DUCT	
NI	410496P	SEAL DRUM FRONT PKD	
NI	460881	KIT ANTI-CONDENSATION	
NI	410129P	KIT WHEELS DRYER X 2	
	410022	HOUSING ROLLER	
	410034	WHEEL	
	410677	AXLE PLATED	



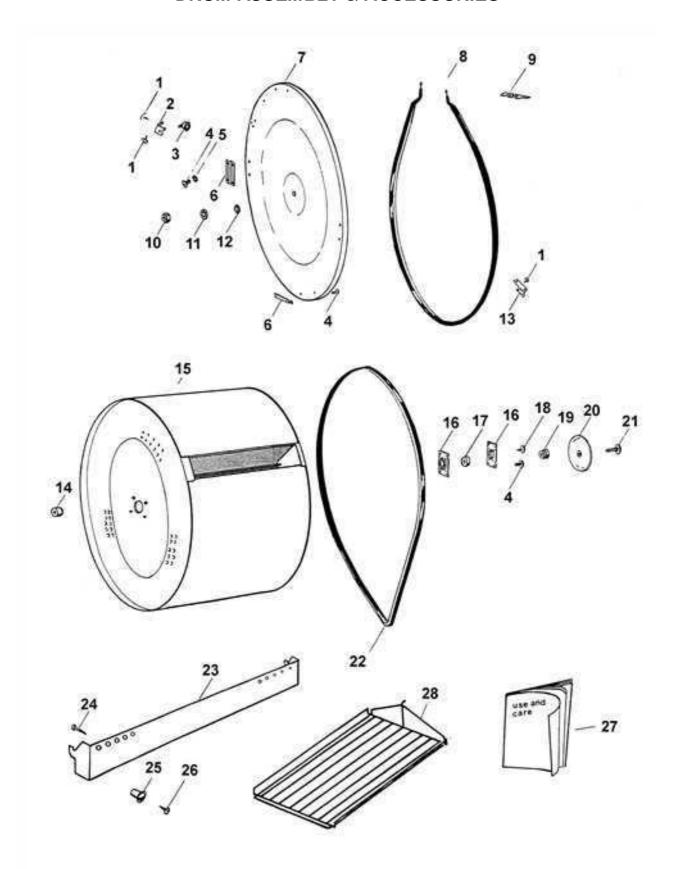
REF	PART		DESCRIPTION	MODEL
1	427314		HINGE RIVETED ASSY SHORT	
2	410261F	•	WASHER PLAIN 5X10X0.9 MS ZN X1	
3	611914F	•	SCREW ST 10X1/2 TAB PAN PH X10	
4	410786		MICROSWITCH	
	460953		MICROSWITCH ROUNDED DOOR	
5	427107		KIT CLAMP DOOR SWITCH	
		427143	CLAMP SWITCH WHITE	
		460935	BUTT HINGE ROUNDED DOOR	
	427143		CLAMP SWITCH WHITE	
6	427141		COVER HINGE D3 WHITE	
	427142		COVER HINGE D5 WHITE	
7	611972F	•	SCREW ST 8-32X3/8 PACKED	
8	610210F	•	SCREW MC M4X08 PAN PH MS ZN X1	
9	460935		BUTT HINGE ROUNDED DOOR	
10	611103F	•	NUT M4 HEX FS MS ZNPL X10 PKD	
11	410117		SCREEN LINT WHITE	
12	427077		KIT DOOR ASSY REAR VENTED	
		427141	COVER HINGE D3 WHITE	
		427143	CLAMP SWITCH WHITE	
	*	427225P	DOOR RV WHITE SLOTTED CAB PACK	
		427314	HINGE RIVETED ASSY SHORT	
		460919	GASKET DOOR	
		460935	BUTT HINGE ROUNDED DOOR	
		611972P	SCREW ST 8-32X3/8 PACKED	
		621703	INSULATOR MICROSWITCH TERMINAL	
	* 427078		KIT DOOR ASSY FRONT VENTED	
		427141	COVER HINGE D3 WHITE	
		427206P	DOOR SUB ASSY WHITE F.VENT PKD	
		427314	HINGE RIVETED ASSY SHORT	
		460919	GASKET DOOR	
		460935	BUTT HINGE ROUNDED DOOR	
		611972P	SCREW ST 8-32X3/8 PACKED	
		621703	INSULATOR MICROSWITCH TERMINAL	
	427206F	•	DOOR SUB ASSY WHITE F. VENT PKD	
		460919	GASKET DOOR	
	* 427225F	•	DOOR RV WHITE SLOTTED CAB PACK	
	427420F	•	DOOR SUB ASSY WHITE F VENT	



REF		PART	DESCRIPTION	MODEL
12		460919	GASKET DOOR	
13	410116		FILTER LINT WHITE	
14	427199		GRILLE OUTLET ASSY WHITE	
		410116	FILTER LINT WHITE	
		410118	SPRING RETAINER	
15	427197		SPIGOT GRILLE MTG	
16	410089		STRIKE	
17	611978P		SCREW ST 8X10 SD MSH PH HS ZNP	
18	410118		SPRING RETAINER	
19	460519		WINDOW DOOR	
20	611986P		SCREW ST 8X20MM HILO (PKT10)	

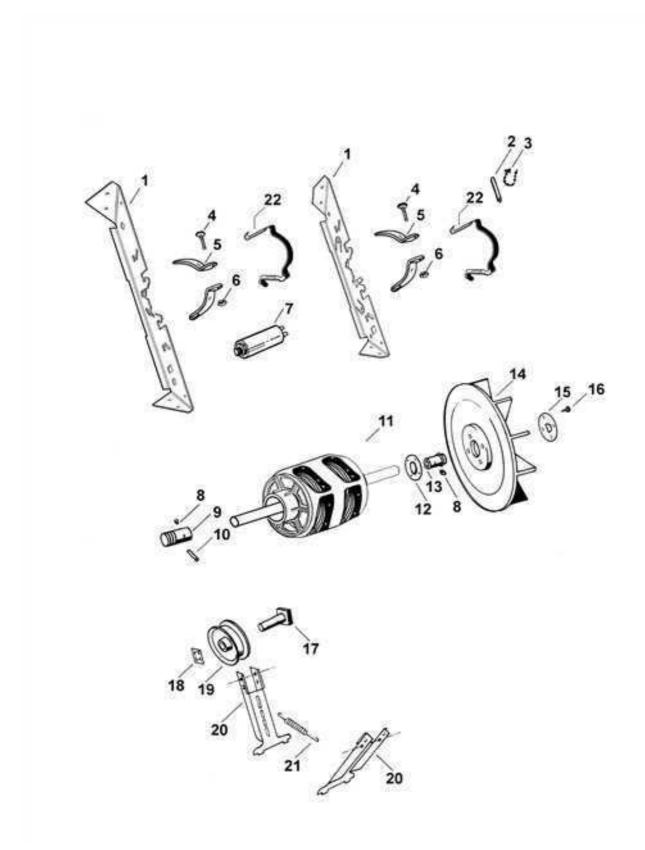


REF	PART	DESCRIPTION	MODEL
1	611978P	SCREW ST 8X10 SD MSH PH HS ZNP	
2	460351	MOUNTING THERMOSTAT	
3	460530	THERMOSTAT OVERHEAT	
4	611914P	SCREW ST 10X1/2 TAB PAN PH X10	
5	611625P	WASHER LOCK 3/16 EXT SERR ZNPL	
6	460348	BRACKET HEATER PLATE	
7	479113	KIT HEATER PLATE	
	42730	9 SPACER OUTSIDE DRUM RECESSED	
8	427380	ELEMENT PARALLEL SEALED BENT	
	427379	ELEMENT SERIES BENT SEALD 875W	
9	460632	RETAINER ELEMENT	
10	611206	NUT M8 HEX FL MS ZNPL	
11	611620P	WASHER LOCK 5/16 INT ZP X10 PK	
12	611304P	WASHER PLN PK10 M8X19X1.6 MS	
13	460620	BRACKET TWIN ELEMENT	
14	427309	SPACER OUTSIDE DRUM RECESSED	
15	427350P	DRUM ASSY D3 PACKED	
	40506	1 BEARING	
	46035	8 COVER BEARING	
	611979	P SCREW ST 8X3/8 TAB MUSH PH X10	
	427356P	DRUM ASSY SS D5 PACKED	
	40506	1 BEARING	
	46035	8 COVER BEARING	
	611979	P SCREW ST 8X3/8 TAB MUSH PH X10	
	460830P	DRUM ASSY PP-SS PKD	
	40506	1 BEARING	
	46035	8 COVER BEARING	
	611979	P SCREW ST 8X3/8 TAB MUSH PH X10	
16	460358	COVER BEARING	
17	405061	BEARING	
18	611979P	SCREW ST 8X3/8 TAB MUSH PH X10	
19	460360	SPACER (INSIDE DRUM)	
20	410499	CAP DRUM REAR AD3 COATED	
	460361	CAP DRUM REAR	
21	460628	BOLT DRUM (DRILLED)	
22	410010	BELT POLY VEE AD3	
	* 427131	BELT ELASTIC POLY-V D3 SERIES	



REF	PART	DESCRIPTION	MODEL
22	460529	BELT POLY VEE D5 (ZI5180)	
23	460913	BRACKET WALL MOUNTING	
24	460669	SCREW ST 14 X 50 TIMBERTITE HX	
25	460912	SPACER MOUNTING BRACKET	
26	611994P	SCREW ST 8X3/4 TAB PKT 10	
27	4227572	BOOK USE & CARE DRYER F&P	
	427574	BOOK USE & CARE DR UNBRANDED ROW	
28	427228	KIT SHOE RACK D5	
NI	502067	KIT WALL MOUNTING	
	46066	9 SCREW ST 14 X 50 TIMBERTITE HX	
	46068	6 LEAFLET WALL MOUNT INSTRUCTION	
	46091.	2 SPACER MOUNTING BRACKET	
	46091.	3 BRACKET WALL MOUNTING	
	611604	P WASHER FLAT 5/32X3/8 MS ZNPL P	
	611994	P SCREW ST 8X3/4 TAB PKT 10	
NI	502028	KIT HARDWARE DRYER INVERTED	
	46066	9 SCREW ST 14 X 50 TIMBERTITE HX	
	46068	5 LEAFLET WALL MOUNT INSTRUCTION	
	46091.	2 SPACER MOUNTING BRACKET	
	611604	P WASHER FLAT 5/32X3/8 MS ZNPL P	
	611994	P SCREW ST 8X3/4 TAB PKT 10	
NI	460754	KIT VENT EXTERNAL 400MM HOSE	
	31911	5 PIPE VENT	
	31911	7 GASKET FOAM	
	40510	7 VENT CAP	
	40513.	5 TAP-IT FASTENER	
	46060	1 HOSE EXHAUST FLEXIBLE 0.40 MT	
NI	319120	KIT VENT EXTERNAL WEATHER COWL	
	31911	5 PIPE VENT	
	31911	7 GASKET FOAM	
	40510	7 VENT CAP	
	40513.	5 TAP-IT FASTENER	
NI	SVHCW4	KIT VENTING EXTERNAL WITH LOUV	
NI	460886	KIT VENT DRYER AD50/52/ED50/52	
	46088.	3 STRAP LONG	
NI	460601	HOSE EXHAUST FLEXIBLE 0.40 MT	
	503858	HOSE EXHAUST FLEXIBLE 2.00 MET	

MOTOR & FAN



MOTOR & FAN

REF		PART	DESCRIPTION	MODEL
1	*	427394	BRACKET MOTOR MOUNTING-AD3 COMPACT	
	*	460522	BRACKET MOTOR MOUNTING-AD5	
2		460718	STRIP CHAFE 50MM	
3		621936	TIE CT120M ACTIVE	
4		610310	SCREW MC M5 25MM RND PH MS ZNP	
		610318P	BOLT M5X25 HEX ST ZN PKT OF 10	
5		427425	LATCH MOTOR MOUNT M6	
6		611105P	NUT M5 HEX PKTS OF 10	
7		427500	CAPACITOR 7UF M8 STUD ICAR (FASCO MOTOR)	
		427502	CAPACITOR 8MF M8 STUD ICAR (EMERSON MTR)	
8		611961P	SCREW SET M6X6 HEX SOCKET W X1	
		611992P	SCREW SET M8X8 HEX SOCKET W X1	
9		405736	PULLEY DRIVE	
		410028	PULLEY DRIVE AD35	
10		613203	PIN ROLL 5/32 X 3/4 ST	
11		427315P	MOTOR SPLIT PHASE REVERS. PKD	
	*	427448	KIT MTR FASCO CONVERSN AD53/55	
	*	427459	KIT MTR FASCO CONVERSN ED53/55	
	*	427462	KIT MTR FASCO CONVERSN ED54/56	
		427517P	MOTOR PSC REVERS. FASCO D5 PKD	
		427518P	MOTOR PSC REVERSING FASCO D3	
12		410046	CLAMP DISC	
		427204	DISC CLAMPING SLOTTED	
13		460872	BOSS FAN	
14		410455	FAN AD3	
		460773	FAN D5	
15		410047	DISC DRIVE	
16		SP0201P	SCREW 8X12 PAN PH NIB PKT10	
17		405086	PIN JOCKEY 6.3 DIA X 43 SQ HD	
18		613702	CLIP PUSH ON SPIRE	
19		460547	PULLEY JOCKEY ASSEMBLY	
20		427442	ARM JOCKEY	
21		410598	SPRING JOCKEY PULLEY - AD3	
22	*	427375	CLIP SPRING MOTOR MOUNTING	

NOTES

CABINET

Technical Bulletins

410380	DR007
427373	DR007
427431P	DR007
427537P	DR012
472969P	WM76

CONTROLS & AIR DUCT

Technical Bulletins

427317P	DR005	
427318P	DR005	
460555P	DR014	

DOOR ASSEMBLY

Technical Bulletins

427078	DR21
427225P	DR29, DR32

DRUM ASSEMBLY & ACCESSORIES

Technical Bulletins

427131 DR013, DR28

MOTOR & FAN

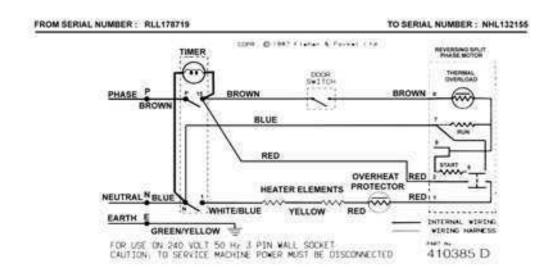
Technical Bulletins

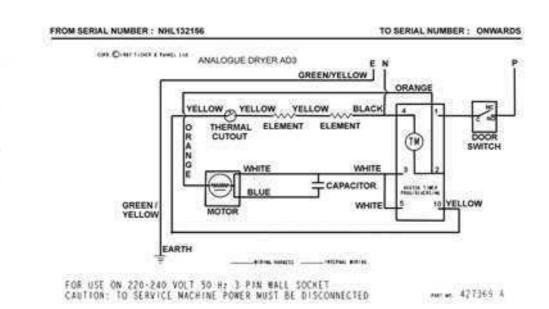
427375	DR015
427394	DR015
427448	DR011
427459	DR011
427462	DR011
460522	DR015
460833	DR14

SCHEMATIC DIAGRAM AD39

LISTED BELOW ARE UP TODATE WIRING DIAGRAMS FOR OUR DIFFERENT CHANGES TO DRYER MODEL RANGES

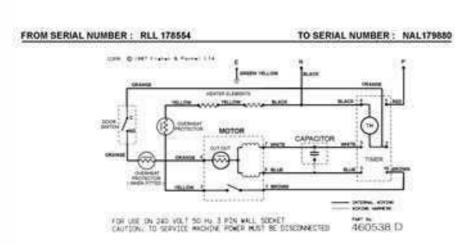
AD39 DRYER



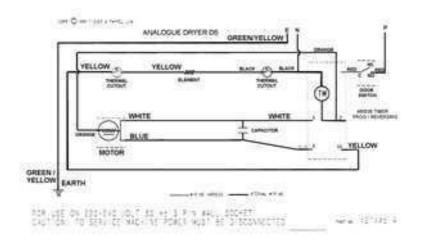


SCHEMATIC DIAGRAM AD55

AD55 DRYER



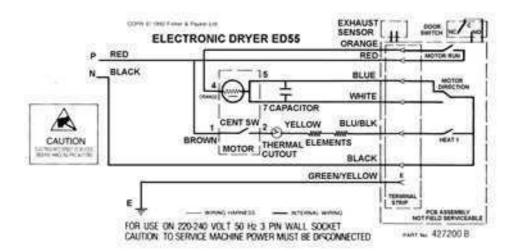
FROM SERIAL NUMBER: NAL179881 TO SERIAL NUMBER: ONWARDS



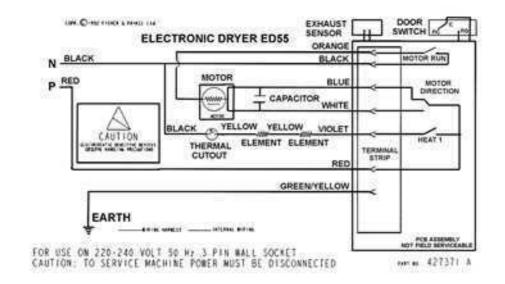
SCHEMATIC DIAGRAM ED55

ED55 DRYER

FROM SERIAL NUMBER: RLL 178590 TO SERIAL NUMBER: NIL106948



FROM SERIAL NUMBER: NIL106949 TO SERIAL NUMBER: NRL151550

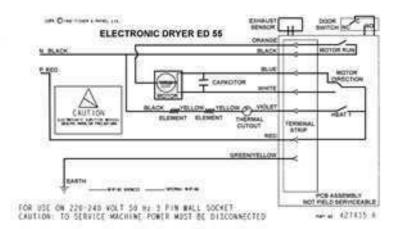


SCHEMATIC DIAGRAM ED55(CONT)

ED55 DRYER CONTINUED

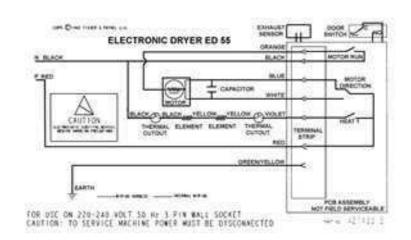
FROM SERIAL NUMBER: NRL 151551

TO SERIAL NUMBER: NPL161962



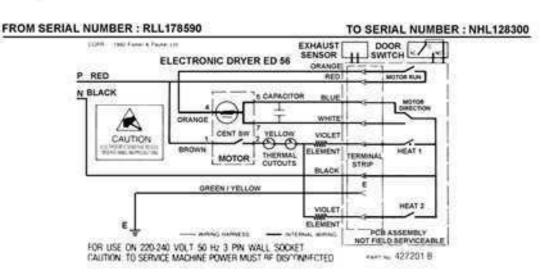
FROM SERIAL NUMBER: NPL161963

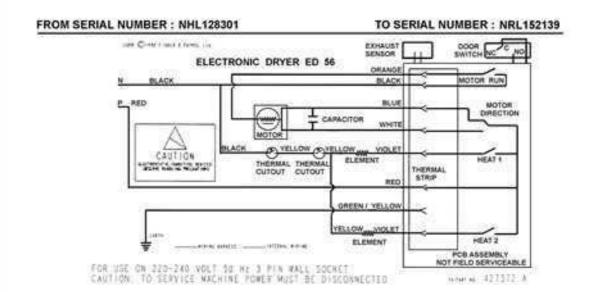
TO SERIAL NUMBER : ONWARDS



SCHEMATIC DIAGRAM ED56

ED56 DRYER





SCHEMATIC DIAGRAM ED56(CONT)

ED56 DRYER CONTINUED

