

INSTALLATION INSTRUCTIONS FOR FOR HORIZONTAL DRAIN PAN FOR INDOOR COOLING/HEAT PUMP COILS WITH GAS OR OIL FURNACES

These Horizontal Drain Pan Kits are for the applications shown below to convert upflow/downflow coils to use in the horizontal position.

MODEL NUMBERING SYSTEM

<u>MODEL NUMBER</u>	<u>APPLICATION</u>
RXBD-D14	RC*A-24****14
RXBD-D17	RC*A-24****21, RC*A-36****17, RC*A-37****21 or RC*J-24A2**17
RXBD-D21	RC*A-24****21, RC*A-36****21, RC*A-37****21, RC*A-48****21 OR RC*J-36A**21
RXBD-D24	RC*A-36****24, RC*A-37****24, RC*A-48****24, RC*A-60****24, RC*J-51A1**24 OR RC*J-61A**24

PARTS LIST

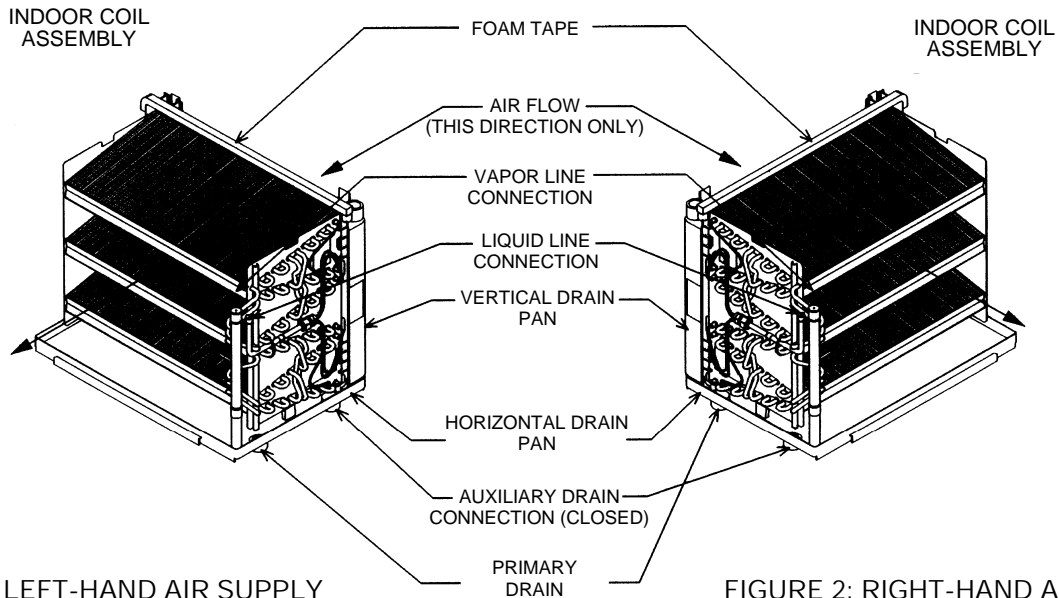
<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	HORIZONTAL DRAIN PAN
1	DRAIN PAN EXTENSION

INSTALLATION PROCEDURE

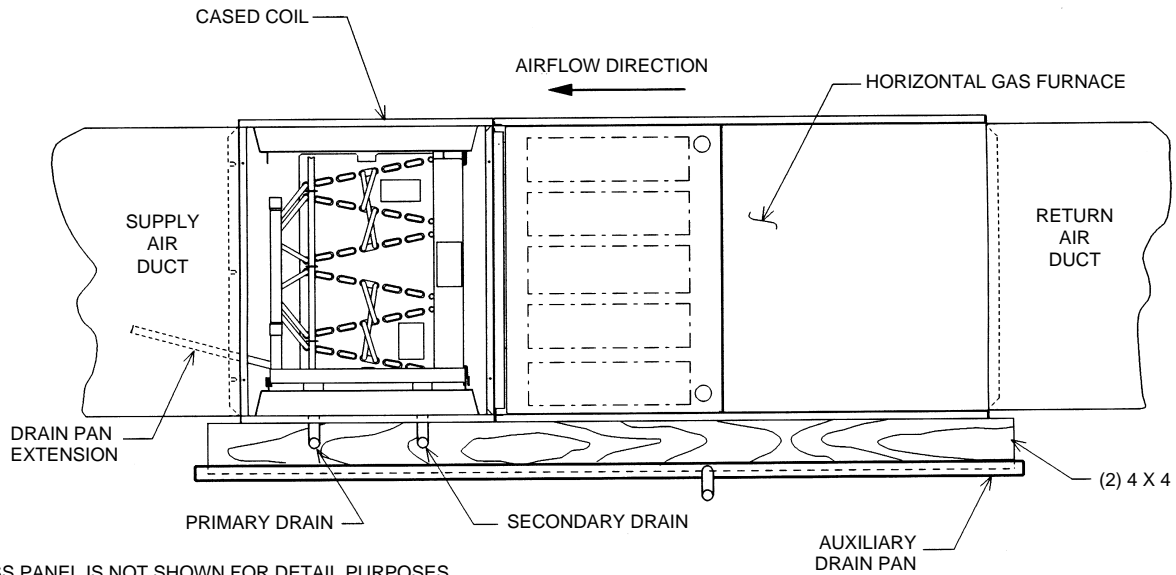
▲ WARNING

DISCONNECT MAIN ELECTRICAL SUPPLY TO THE INDOOR UNIT AND TURN THERMOSTAT TO ITS OFF POSITION BEFORE ATTEMPTING ANY MAINTENANCE. FAILURE TO DO SO CAN RESULT IN ELECTRICAL SHOCK OR SEVERE PERSONAL INJURY.

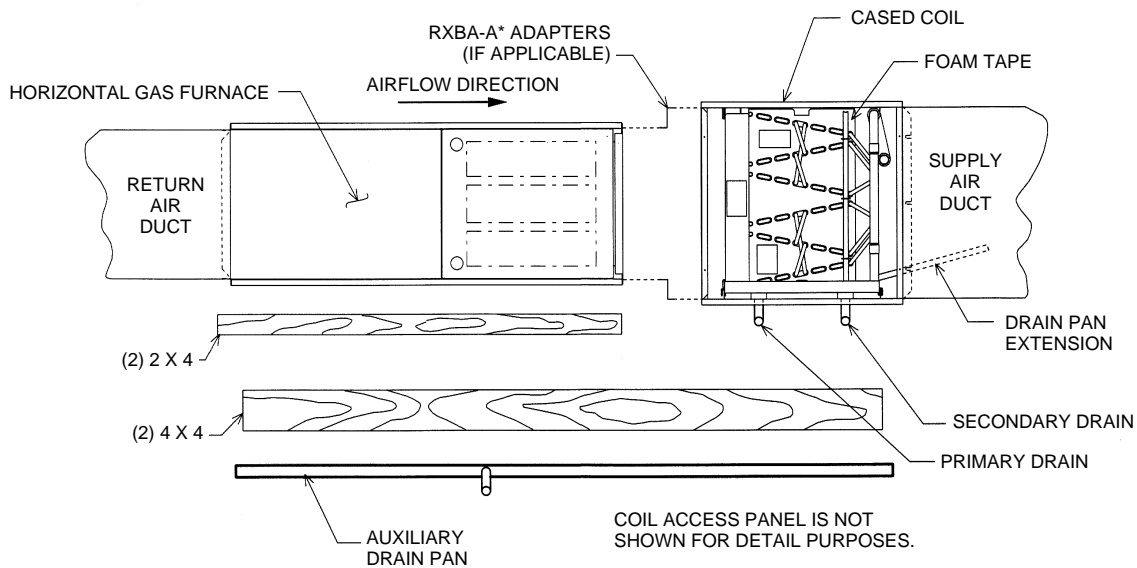
1. Remove screws (2) securing coil access door and remove door.
2. Remove coil by sliding coil forward, out of the casing.
3. Remove foam tape on side of vertical drain pan on which the horizontal drain pan is to be installed. Install horizontal drain pan as shown for left (Figure 1) or right hand (Figure 2) air supply. Remove stripping from top of drain pan when installing with a cabinet supplied with insulation. Drain pan connections must be toward front of coil (header connection end). Install coil assembly into horizontal pan as shown with coil endplates fitting into "V" shaped supports in the front and back of the horizontal pan. Mounting tabs on the vertical drain pan fit over the air inlet side of the horizontal drain pan. Horizontal pan must be under the indoor coil when in the installed position. Foam tape must be installed only on the side opposite the horizontal drain pan. NOTE: When installing in coil casing with Florida insulation, the insulation in bottom of coil casing must be cut and removed.
4. Install coil with horizontal drain pan into the casing. Make sure support feet on top and bottom of the vertical pan engage both sides of the metal coil support angle such that the top of the coil is held in proper position.
5. Insert drain pan extension into coil casing on supply air side adjacent to coil header. Work extension into place, as shown in Figure 3, with slotted flange on extension over edge of horizontal drain pan. If duct flanges have not been bent out and supply duct sized accordingly, the pan extension must be modified to fit. Cut and rebend side flanges as required.
6. To ensure watability of coil surfaces for promoting water drainage, spray the fins, return bends, header and all sheet metal parts with granular Electrasol Automatic Dishwashing Detergent, mixed 2 gallons of water to 1 cup of detergent.
7. Replace the coil access door with the removed screws. Note that the labels should be on the outside of the door for proper fit of the door.
8. Note primary and auxiliary drain positions for horizontal right vs. horizontal left. Drain connection flush with inside bottom of pan must be connected to the primary drain. Connection raised above the inside bottom of the pan is the auxiliary drain connection.



1151



1234



1234

**RECOMMENDED BLOWER MOTOR SPEED TAP FOR COOLING WITH (-)GVG- AND (-)GVH-
78% HORIZONTAL GAS FURNACES**

In general, the indoor motor speed tap should be as shown in Table 1 for the indoor coil shown and outdoor unit size shown. Please refer to revised air flow data in Tables 2, 3 and 4 below. Nominal air flow for cooling is 400 CFM/Ton of Cooling and 450 CFM/Ton maximum. Always check to make sure proper motor speed tap is connected as units are shipped from the factory connected for high speed operation on cooling.

TABLE 1

INDOOR COIL MODEL NO.	OUTDOOR UNIT COOLING SIZE	HORIZONTAL GAS FURNACE						
		05EAUE	07EAUE	10EAME	07EAMG	10EBRJ	12EARJ	15EARJ
		MOTOR SPEED TAP (LEAD COLOR)						
RC(-)A-24	-018 (1½ TON)	LO (RD)	LO (RD)	LO (RD)				
RC(-)A-24	-024 (2 TON)	ML (YL)	LO (RD)	LO (RD)				
RC(-)A-36	-030 (2½ TON)	MH (BU)	M (BU)	LO (RD)	LO (RD)	LO (RD)	LO (RD)	LO (RD)
RC(-)A-36	-036 (3 TON)	HI (BK)	HI (BK)	M (BU)	LO (RD)	LO (RD)	LO (RE)	LO (RD)
RC(-)A-48	-042 (3½ TON)			HI (BK)	ML (YL)	ML (YL)	ML (YL)	ML (YL)
RC(-)A-48	-048 (4 TON)				MH (BU)	ML (YL)	ML (YL)	ML (YL)
RC(-)A-60	-060 (5 TON)					MH (BU)	MH (BU)	MH (BU)

**TABLE 2
BLOWER PERFORMANCE DATA – (-)GVH HORIZONTAL MODELS**

MODEL (BTU)	BLOWER SIZE	MOTOR H.P.	BLOWER SPEED	CFM AIR DELIVERY EXTERNAL STATIC PRESSURE INCHES WATER COLUMN						
				.1	.2	.3	.4	.5	.6	.7
				45,000	11x6	½	LOW MED-LO MED-HI HI	665 950 1185 1380	625 925 1145 1330	585 895 1105 1285
50,000	11x6	½	LOW MED-LO MED-HI HI	700 985 1155 1315	680 965 1130 1295	660 940 1110 1270	635 915 1080 1245	605 890 1050 1210	575 860 1020 1170	540 830 980 1125
67,500 75,000	11x6	½	LOW MED-LO MED-HI HI	835 990 1130 1295	815 970 1110 1270	790 945 1085 1240	765 915 1055 1205	740 890 1025 1170	710 855 990 1130	680 825 950 1090
75,000	11x7	¾	LOW MED-LO MED-HI HI	1290 1610 1875 2125	1265 1570 1820 2055	1240 1530 1765 1985	1210 1490 1705 1915	1175 1445 1645 1850	1145 1400 1585 1780	1105 1350 1525 1715
100,000	11x7	½	*LOW MED-LO MED-HI HI	950 1125 1255 1435	920 1095 1230 1400	890 1060 1205 1360	855 1030 1170 1320	825 995 1140 1275	795 960 1105 1225	765 930 1065 1175
100,000	11x10	¾	LOW MED-LO MED-HI HI	1340 1705 2120 2405	1320 1675 2075 2345	1295 1640 2025 2280	1270 1605 1975 2210	1240 1565 1915 2135	1210 1520 1850 2060	1175 1475 1785 1980
125,000	11x10	¾	LOW MED-LO MED-HI HI	1325 1705 2125 2450	1320 1695 2090 2395	1310 1675 2050 2330	1290 1650 2005 2265	1260 1615 1995 2190	1230 1575 1900 2110	1185 1525 1840 2020
150,000	11x10	¾	LOW MED-LO MED-HI HI	1315 1680 2085 2425	1295 1655 2060 2360	1265 1630 2030 2295	1240 1600 1985 2225	1210 1570 1920 2155	1175 1535 1865 2085	1145 1495 1795 2010

* NOT TO BE USED AS A HEATING SPEED!

TABLE 3 – BLOWER PERFORMANCE DATA – (-)GVJ HORIZONTAL MODELS

MODEL (BTU)	BLOWER SIZE	MOTOR H.P.	BLOWER SPEED	CFM AIR DELIVERY						
				EXTERNAL STATIC PRESSURE INCHES WATER COLUMN						
				.1	.2	.3	.4	.5	.6	.7
50.000	11x6	½	LOW	700	680	660	635	605	575	540
			MED-LO	985	965	940	915	890	860	830
			MED-HI	1155	1130	1110	1080	1050	1020	980
75.000	11x6	½	LOW	990	970	945	915	890	855	825
			MEDIUM	1130	1110	1085	1055	1025	990	950
			HIGH	1295	1270	1240	1205	1170	1130	1090
75.000	11x7	½	LOW	1290	1265	1240	1210	1175	1145	1105
			MEDIUM	1610	1570	1530	1490	1445	1400	1350
			HIGH	1875	1820	1765	1705	1645	1585	1525
100.000	11x7	½	LOW	1125	1095	1060	1030	995	960	930
			MEDIUM	1255	1230	1205	1170	1140	1105	1065
			HIGH	1435	1400	1360	1320	1275	1225	1175
100.000	11x10	½	LOW	1340	1320	1295	1270	1240	1210	1175
			MEDIUM	1705	1675	1640	1605	1565	1520	1475
			HIGH	2120	2075	2025	1975	1915	1850	1785
100.000	11x10	¾	LOW	1705	1675	1640	1605	1565	1520	1475
			MEDIUM	2120	2075	2025	1975	1915	1850	1785
			HIGH	2405	2345	2280	2210	2135	2060	1980
125.000	11x10	½	LOW	1325	1320	1310	1290	1260	1230	1185
			MEDIUM	1705	1695	1675	1650	1615	1575	1525
			HIGH	2125	2090	2050	2005	1955	1900	1840
125.000	11x10	¾	LOW	1705	1695	1675	1650	1615	1575	1525
			MEDIUM	2125	2090	2050	2005	1955	1900	1840
			HIGH	2450	2395	2330	2265	2190	2110	2020
150.000	11x10	½	LOW	1315	1295	1265	1240	1210	1175	1145
			MEDIUM	1680	1655	1630	1600	1570	1535	1495
			HIGH	2085	2060	2030	1985	1920	1865	1795
150.000	11x10	¾	LOW	1680	1655	1630	1600	1570	1535	1495
			MEDIUM	2085	2060	2030	1985	1920	1865	1795
			HIGH	2425	2360	2295	2225	2155	2085	2010

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TABLE 4 – BLOWER PERFORMANCE DATA – (-)GDG & (-)GPH UPFLOW/HORIZONTAL MODELS

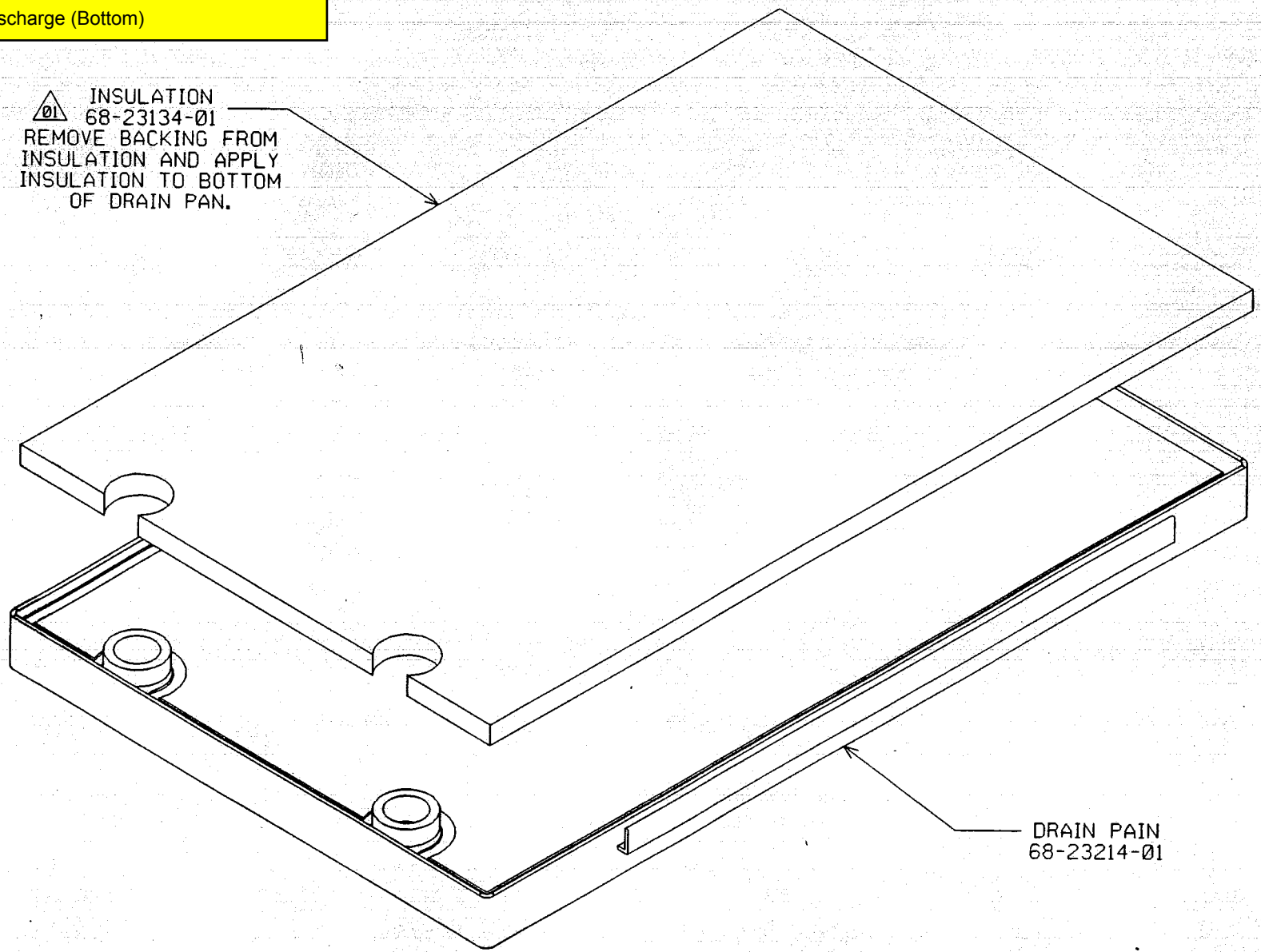
MODEL (BTU)	BLOWER SIZE	MOTOR H.P.	BLOWER SPEED	CFM AIR DELIVERY						
				EXTERNAL STATIC PRESSURE INCHES WATER COLUMN						
				.1	.2	.3	.4	.5	.6	.7
45.000	11x6	½	LOW	650	620	585	550	510	475	435
			MED-LO	935	905	870	835	795	755	715
			MED-HI	1140	1105	1065	1025	980	935	885
50.000	11x6	½	LOW	675	655	635	610	585	555	520
			MED-LO	950	930	905	880	860	830	800
			MED-HI	1115	1090	1070	1040	1015	985	945
67.500	11x6	½	LOW	820	800	780	755	730	705	675
			MED-LO	970	955	940	910	880	845	805
			MED-HI	1110	1090	1070	1040	1010	975	935
75.000	11x7	¾	LOW	1245	1220	1195	1165	1135	1105	1065
			MED-LO	1555	1515	1475	1435	1395	1350	1300
			MED-HI	1810	1755	1705	1645	1585	1530	1470
100.000	11x6	½	*LOW	870	850	825	800	770	740	705
			MED-LO	1005	980	955	930	900	865	830
			MED-HI	1150	1120	1095	1060	1040	1000	955
100.000	11x7	½	*LOW	925	890	865	835	810	775	745
			MED-LO	1050	1040	1030	990	960	920	890
			MED-HI	1220	1195	1160	1140	1105	1065	1020
100.000	11x10	¾	LOW	1295	1275	1250	1225	1195	1165	1135
			MED-LO	1645	1615	1580	1550	1510	1465	1425
			MED-HI	2045	2000	1955	1905	1845	1785	1720
125.000	11x10	¾	LOW	1280	1275	1265	1245	1215	1185	1145
			MED-LO	1645	1635	1615	1590	1560	1520	1470
			MED-HI	2050	2015	1960	1935	1885	1835	1775
150.000	11x10	¾	LOW	1270	1250	1220	1195	1165	1135	1105
			MED-LO	1620	1595	1570	1545	1515	1480	1440
			MED-HI	2010	1985	1960	1915	1850	1800	1730
			HIGH	2340	2275	2215	2145	2080	2010	1940

* NOT TO BE USED AS A HEATING SPEEDI

92-23671-06-02

RXBD-CA and DA Horizontal Drain Pan Kit
Side Discharge (Bottom)

INSULATION
68-23134-01
REMOVE BACKING FROM
INSULATION AND APPLY
INSULATION TO BOTTOM
OF DRAIN PAN.



DRAIN PAN
68-23214-01