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# KITCHENAID KSM90ER4 Owner's Manual

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KSM90ER4](#)

**KitchenAid®**

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----- Manual continues below -----

# PARTS LIST

for

# **KitchenAid®**

## **4 1/2 QT. STAND MIXER**

### **ULTRA POWER TILT**

#### **MODELS:**

**KSM90OB4 (Onyx Black)**

**KSM90ER4 (Empire Red)**

**KSM90MC4 (Metallic Chrome)**

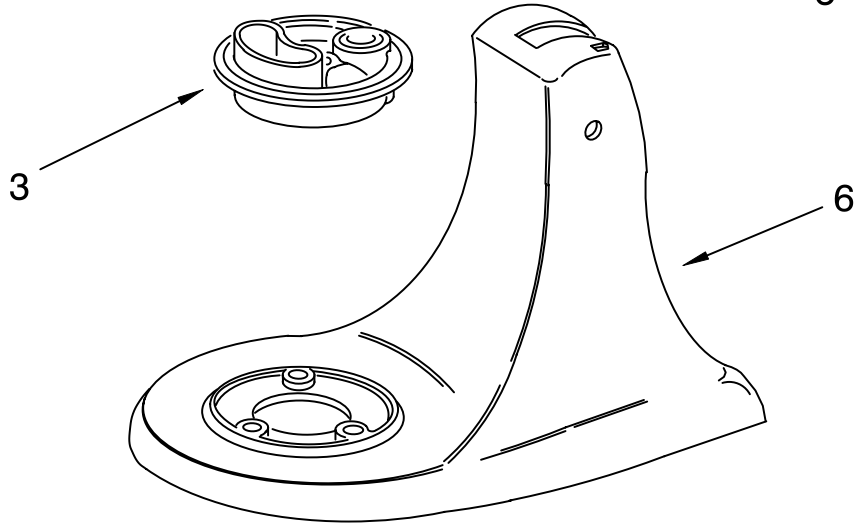
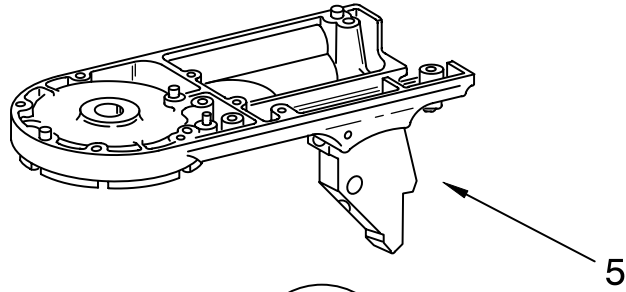
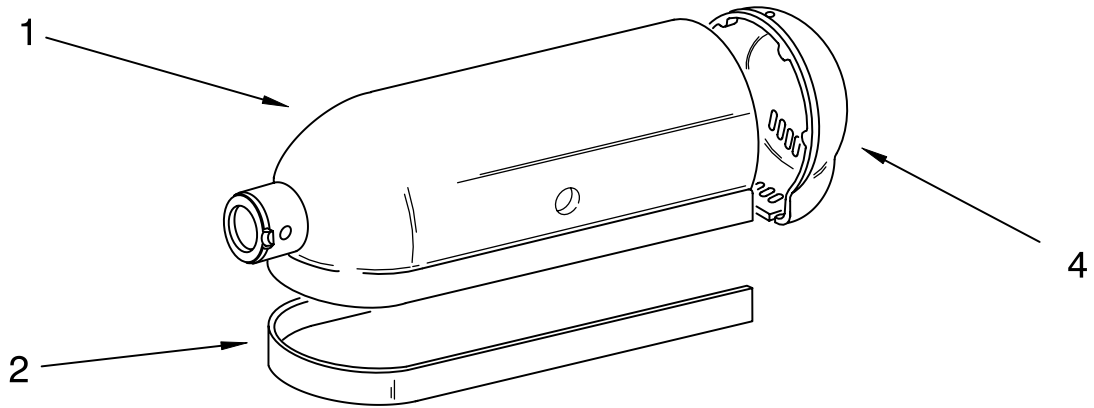


FOR CUSTOMER SATISFACTION ALWAYS USE  
FACTORY SPECIFICATION PARTS



# COLOR VARIATION PARTS

FOR MODELS: KSM90\_\_4



FOR ORDERING INFORMATION REFER TO PARTS PRICE LIST

# COLOR VARIATION PARTS

FOR MODELS: KSM90\_\_4

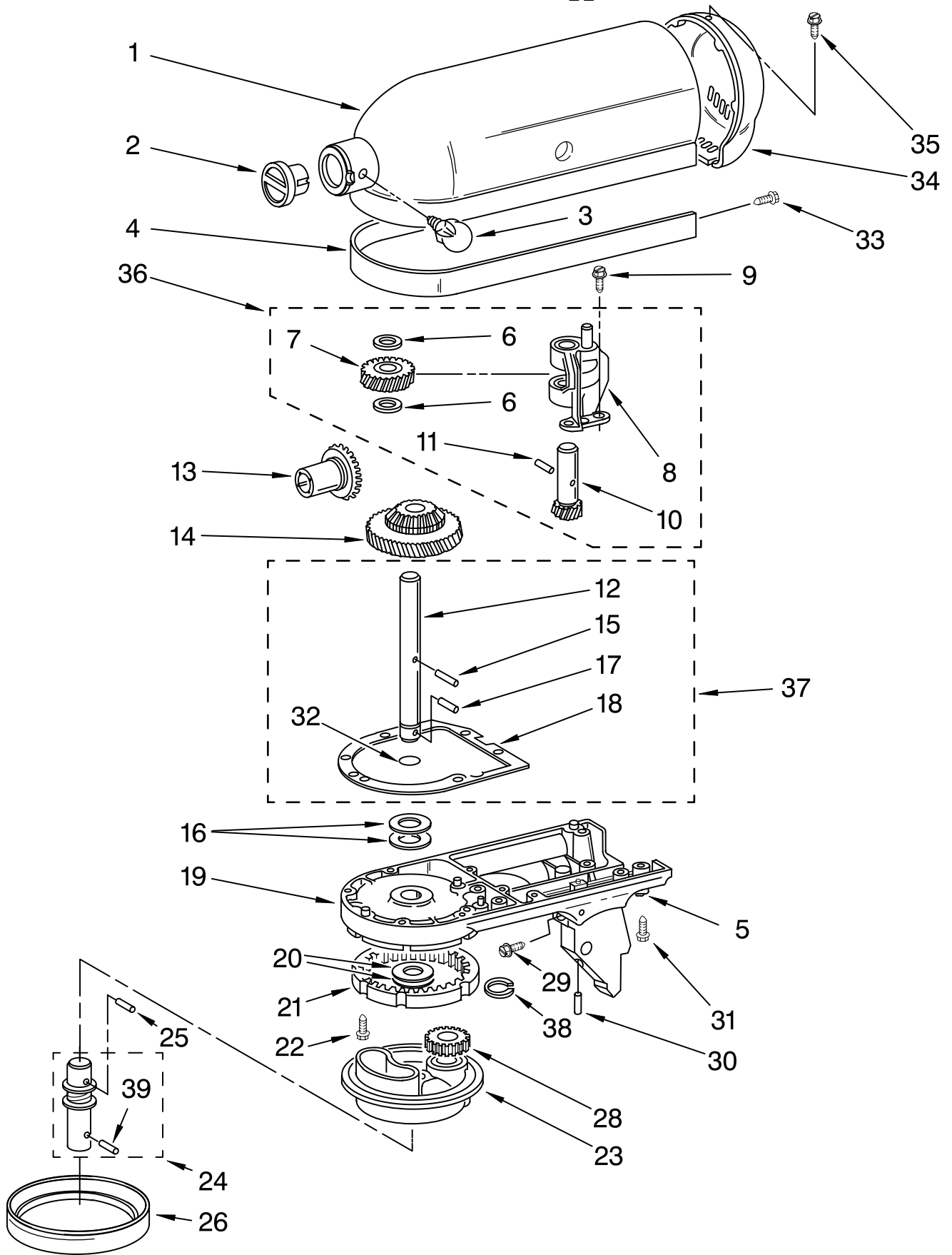
<b>Illus. No.</b>	<b>Part No.</b>	<b>DESCRIPTION</b>
1		Motor Housing
	240291-13	Onyx Black
	240291-21	Empire Red
2	9704025	Metallic Chrome
		Trim Band
3	9702645	Black
		Planetary
4	240286-16	Onyx Black
	240286-23	Empire Red
	9706670	Metallic Chrome
5		End Cover
	240253-14	Onyx Black
	240253-22	Empire Red
	9704029	Metallic Chrome
6		Lower Gearcase
	240350-56	Onyx Black
	240350-84	Empire Red
7	9706662	Metallic Chrome
		Pedestal
	240151-13	Onyx Black
	240151-20	Empire Red
	9706682	Metallic Chrome

Colors Subject To Change.  
Any Color Not Listed is  
No Longer Available.  
If Additional Colors Are Added,  
This Page Will Be Updated.

FOR ORDERING INFORMATION REFER TO PARTS PRICE LIST

# CASE, GEARING AND PLANETARY UNIT

FOR MODELS: KSM90\_4



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# CASE, GEARING AND PLANETARY UNIT

FOR MODELS: KSM90\_\_4

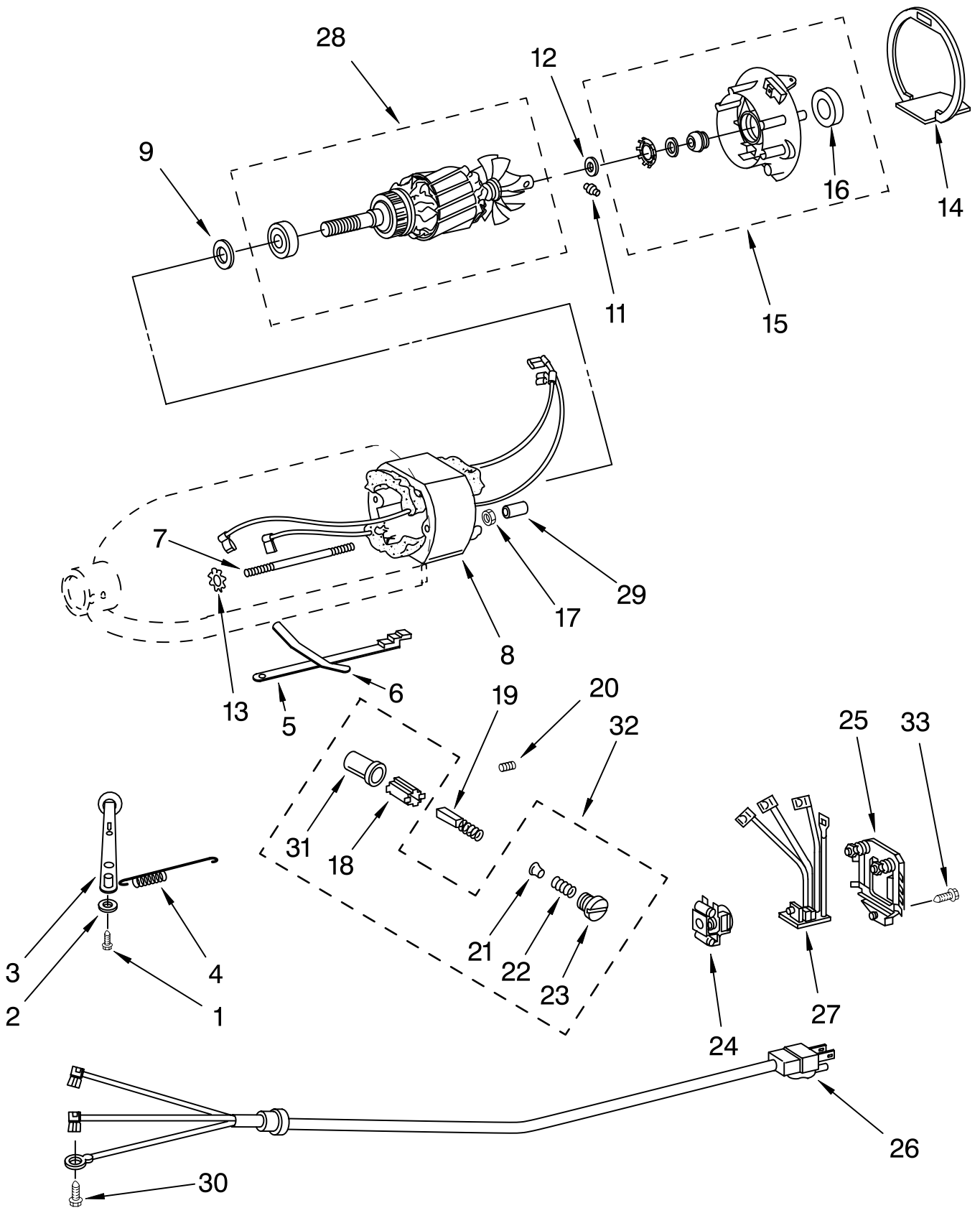
Illus. No.	Part No.	DESCRIPTION	Illus. No.	Part No.	DESCRIPTION	Illus. No.	Part No.	DESCRIPTION
1	**	Gearcase Motor Housing	13	9705130	Gear, Attachment Hub Bevel	26	240285	Ring, Planetary Drip
2		Cap, Attachment Hub	14	9709627	Bevel Pinion & Center Gear	28	9703903	Pinion, Gear
3	242765-2	Chrome Thumb Screw	15	240018-1	Pin (Vertical Center Shaft)	29	4160413	Screw, Adjusting
	9709194	Black	16	3180163	Washer	30	3400203	Screw, Set
4	**	Band, Trim	17	9705443	Pin, Grooved	31	3400025	Screw, Machine
5	8533914	Lock Washer	18	4162324	Gasket, Transmission Case	32	67500-55	"O" Ring
6	3180161	Washer	19	**	Lower Gear Case	33	311932	Screw
7	4162897	Worm Gear	20	3180163	Washer	34	**	Cover, End
8	240308	Worm Gear Bracket And Bearing	21	9703904	Gear, Internal	35	9706090	Screw
9	3400022	Screw And L.W. Assy.	22	103994	Screw	36	240309-2	Worm Gear Bracket And Gear
10	240210-2	Shaft & Pinion	23	**	Planetary	37	4160474	Center Shaft & "O" Ring
11	9705444	Pin, Grooved	24	4176067	Agitator Shaft	38	9703438	Ring
12	240026	Shaft, Vertical Center	25	240018-1	Pin (Agitator Shaft Pinion)	39	9704677	Pin, Groove

\*\* Refer to Page 3  
Color Variation Parts

FOR ORDERING INFORMATION REFER TO PARTS PRICE LIST

# MOTOR AND CONTROL PARTS

FOR MODELS: KSM90\_4



FOR ORDERING INFORMATION REFER TO PARTS PRICE LIST

# MOTOR AND CONTROL PARTS

FOR MODELS: KSM90\_\_4

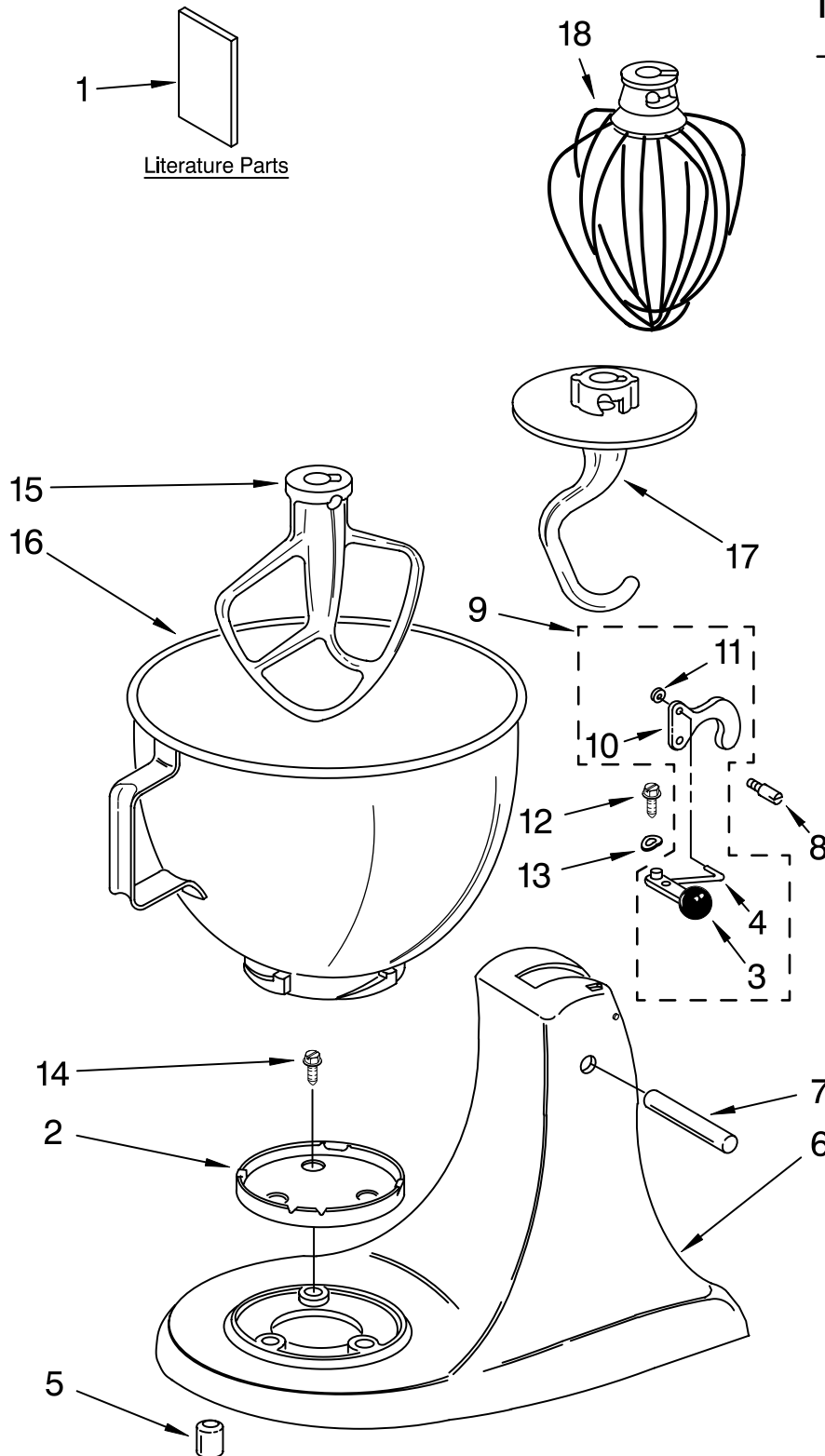
<b>Illus. No.</b>	<b>Part No.</b>	<b>DESCRIPTION</b>
1	110679	Screw, Pivot
2	116241	Washer, Spring
3		Lever, Speed Control Assembly
	9709276	Black
4	3183680	Spring, Control Plate
5	3184176	Speed Link & Cam
6	240205	Spring, Flat
7	240769	Screw
8	9702695	Field Assembly
9	9704324	Washer, Bearing
11	16998	Stud, Governor Drive
12	3180162	Washer
13	W10068270	Washer
14	240775-1	Seal, End
15	3180526	Bracket, Bearing Asm.
16	3180238	Washer
17	8533905	Nut, Machine
18	240680	Insert, Brush Holder
19	9706416	Brush, Carbon
20	9707926	Screw, Set
21	116286	Cap, Spring Seat
22	116287	Spring, Cap
23		Cap, Brush Holder
	3184212	Black
24	17830	Governor Assembly
25	240904-2	Control Plate Assembly
26		Power Cord
	9701026	Black
27	9706595	Phase Control Board Assembly
28	9708315	Armature & Bearing
29	4162634	Sleeve, Motor Stud
30	3184609	Screw, Ground
31	3179908	Housing, Brush Holder
32	4162546	Brush Holder
33	W10068260	Screw

FOR ORDERING INFORMATION REFER TO PARTS PRICE LIST



# BASE AND PEDESTAL UNIT

FOR MODELS: KSM90\_\_4



Illus. No.	Part No.	DESCRIPTION
1	9709784	Literature Parts Use & Care Guide (Trilingual)
	8212372	Repair Parts List
2	4163032	Screw Cap Kit
3	9709280	Lever, Latch Black
4	24450	Link, Latch
5	115792	Foot, Base
6	**	Pedestal
7	16910	Pin, Hinge
8	103993	Screw, Latch Bearing
9	24452	Latch, Link & Lever
10	9709055	Latch
11	8533912	Washer
12	110679	Screw, Pivot
13	116241	Washer, Spring
14	3400020	Screw
15	9708470	Beater, Flat
16	4163336	Bowl And Base (4 1/2 Qt.)
17	9708471	Dough Hook
18	9706446	Wire Whip

\*\* Refer to Page 3  
Color Variation Parts

FOR ORDERING INFORMATION REFER TO PARTS PRICE LIST

# ACCESSORY PARTS

FOR MODELS: KSM90\_\_4

<b>Illus. No.</b>	<b>Part No.</b>	<b>DESCRIPTION</b>
	4164839	Speed Disc (Service Tool)
	4160588	Grease, Planetary
	4164778	Mixer Attachment Pak (Includes Food Grinder (FG-A), Food Strainer (FVSP), And Vegetable Slicer, (RVS-A) (FPP-A)
	4164749	Food Grinder (FG-A)
	4164768	Pasta Maker And Food Grinder (Includes SNP Pasta Maker Plates) (SN/FG-A)
	4164775	Fruit/Vegetable Strainer Parts (Use With FG-A Model Only) (FVSP)
	4164750	Rotor Slicer/Shredder (With 4 Standard Cones) Fine Shredder, Coarse Shredder, Thick Slicer, And Thin Slicer (RVS-A)
	3177975	Pouring Shield (KPS2CL)
	4164824	Pasta Maker Plates (SNP-A)
	4164774	Fruit/Vegetable Strainer And Food Grinder (FVS/FG-A)
	3180617	Cover, Decorative (Cotton Polyester)
	4162838	Food Tray (FT)
	4164748	Juicer (JE)
	4164747	Can Opener (CO)
	4164803	Sausage Stuffer Kit (SSA)
	3177924	Bowl Cover, Plastic Non-Sealing
	4163337	Bowl, Stainless With Handle
	3180262	Bowl, 3 Qt. (KSM103 & KSM110)
	4162160	Bowl, Satin Stainless
	9707963	Ice Cream Attachment – KICA
	8211924	Grain Mill – KGMA

FOR ORDERING INFORMATION REFER TO PARTS PRICE LIST