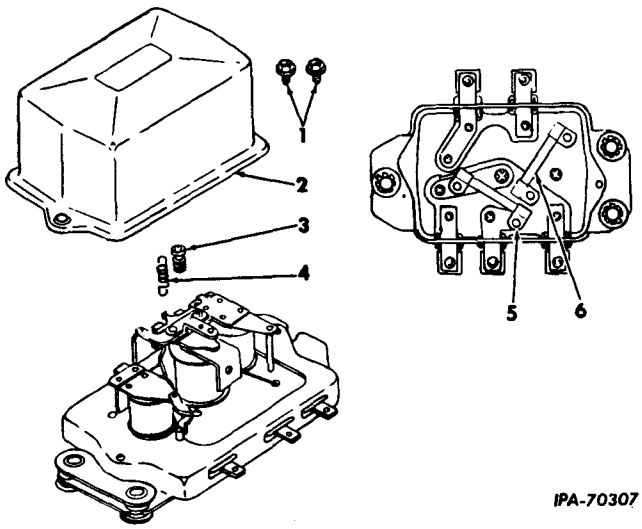
VOLTAGE REGULATOR
(Delco-Remy)
(For use w/Sleeveless Engines)

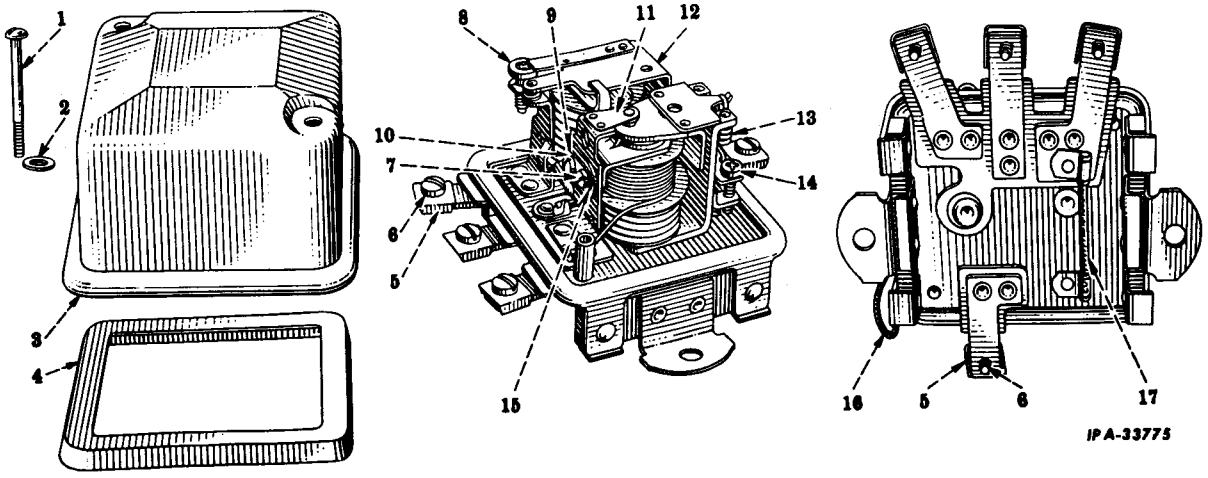


IPA-70307

REF. NO.	PART NUMBER	DESCRIPTION
	1 119 513	REGULATOR w/SHOCK BRACKET, voltage (Composed of - 1 PACKAGE 1 962 629 1 REGULATOR 1 119 507 3 SCREW 454 669 3 WASHER 9 421 423 SCREW, 1/4 x 3/4" hex hd cap (2) WASHER, 1/4" lock (2) NUT, 1/4" (2)
	1 119 507	REGULATOR ASSY, voltage (Consists of Ref. Nos. 1 thru 6) (furnished as part of REGULATOR, 1 119 513)
1	1 943 386	SCREW, cover attaching (2)
2	1 958 151	COVER, regulator
3	1 958 148	SCREW, adjusting
4	1 958 137	SPRING, adjusting screw
5	1 941 431	RESISTOR
6	1 960 347	RESISTOR
	1 962 629	PACKAGE, shock bracket
	454 669	SCREW, terminal (3)
	9 421 423	WASHER, terminal screw lock (3)

VOLTAGE REGULATOR
(Delco Remy)
(For use with Positive Grounded Battery)

VOLTAGE REGULATOR - Continued
(Delco-Remy)
(For use with Positive Grounded Battery)



REF. NO.	PART NUMBER	DESCRIPTION
	1 118 779	REGULATOR, voltage NUT, 1/4"NF (2) SCREW, 1/4NF x 1/2" hex hd cap (2) WASHER, 1/4" lock (2)
1	1 927 982	SCREW, cover attaching (2)
2	1 922 996	WASHER, insulating cover attaching screw (2)
3	1 927 980	COVER
4	1 927 981	GASKET, cover
5	1 868 137	CLAMP, terminal (4)
6	1 864 099	SCREW, terminal (4)
7	1 878 516	SCREW, regulator contact attaching (2)
8	1 912 159	SCREW, adjusting relay armature
9	1 878 507	WASHER, insulating regulator contact attaching screw (2)
10	1 878 505	WASHER, regulator contact attaching screw lock
11	1 878 517	CONTACT and SUPPORT, regulator
12	1 878 780 454 431 1 904 377	ARMATURE, relay SCREW, relay armature (2) WASHER, relay armature attaching screw lock (2)
13	1 912 176	SPRING, regulator armature
14	1 922 408	SCREW, regulator armature adjusting
15	1 922 599	INSULATOR, regulator contact attaching screw
16	1 927 975	LEAD, ground
17	1 910 174	RESISTOR, "F" terminal to ground

Always Give Voltage Regulator Number When Ordering Parts.

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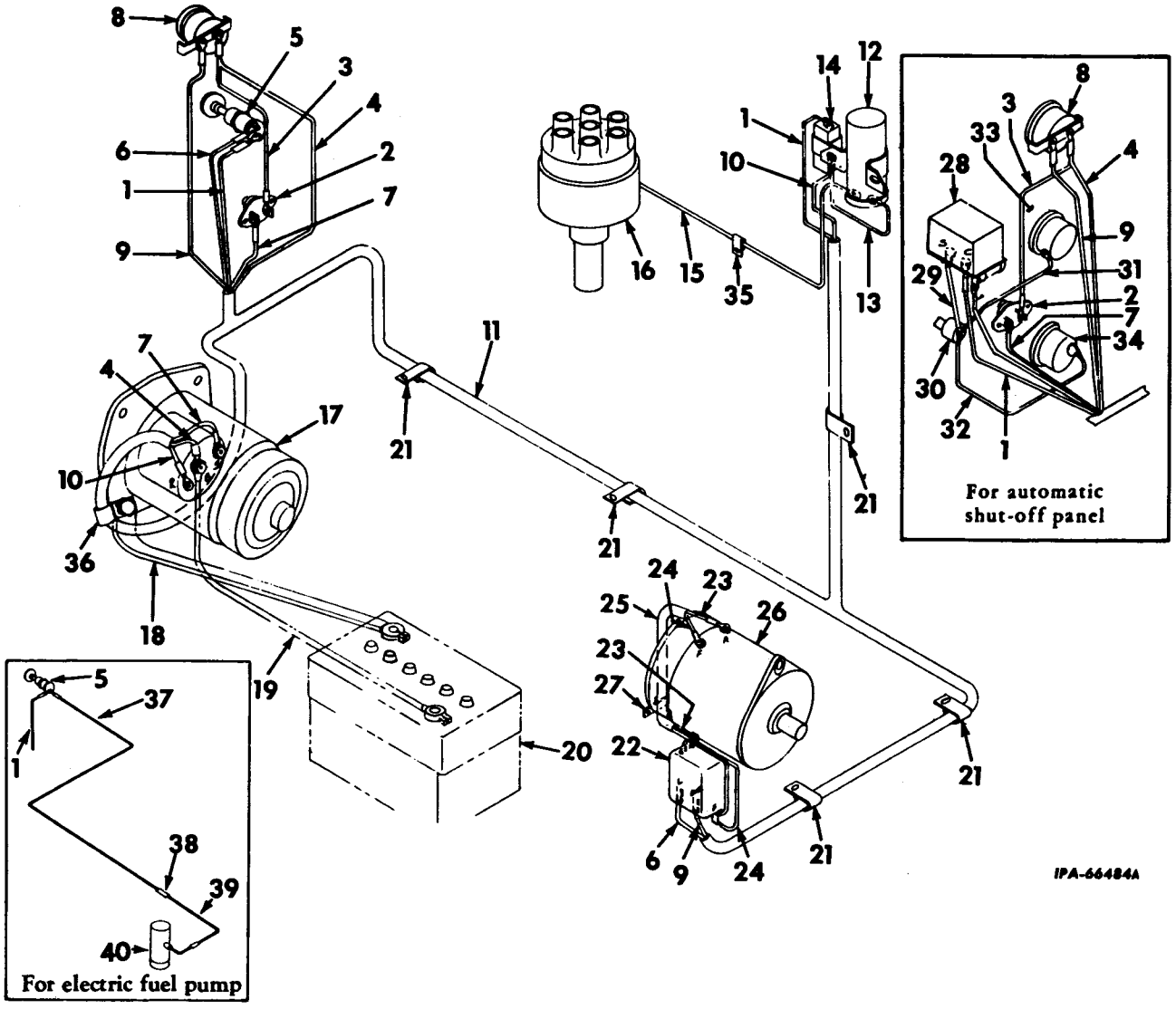
REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC WIRING
(Battery Ignition) (For units equipped with Instrument Panel Attachment 305 191 R91 or Automatic Shut-Off Attachment 305 198 R91) (For Sleeved Engines)

ELECTRIC WIRING - Continued
(Battery Ignition) (For units equipped with Instrument Panel Attachment 305 191 R91 or Automatic Shut-Off Attachment 305 198 R91) (For Sleeved Engines)



REF. NO.	PART NUMBER	DESCRIPTION
1		CABLE, ignition switch to resistor (orange) (order 305 192 R91) (+)
1		CABLE, "C" on relay to resistor (orange) (order 305 192 R91) (‡)
2	366 317 R93	SWITCH, starting (+)(‡) NUT, No. 10NF (2) SCREW, No. 10NF x 7/16" slt rd. hd. (2) WASHER, No. 10 lock (2)
3		CABLE, minus (-) on ammeter to starting switch (positive ground) or plus (+) on ammeter to starting switch (negative ground) (red) (order 305 192 R91) (+) (‡)
4		CABLE, minus (-) on ammeter to "B" on solenoid (positive ground) or plus (+) on ammeter to "B" on solenoid (negative ground) (red) (order 305 192 R91) (+) (‡)
5	62 801 DC	SWITCH, ignition (+)
6		CABLE, ignition switch to "L" on voltage regulator (yellow) (Order 305 192 R91) (+)

(+) - Part of Instrument Panel Attachment, 305 191 R92

(‡) - Part of Automatic Safety Shut-Off Attachment, 305 198 R91

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) (For units equipped with Instrument Panel Attachment 305 191 R91 or Automatic Shut-Off Attachment 305 198 R91) (For Sleeved Engines)
6		CABLE, "B" on relay to "L" on voltage regulator (yellow) (order 305 192 R91) (‡)
7		CABLE, starting switch to "S" on solenoid (green) (order 305 192 R91) (+) (‡)
8	702 283 C91	AMMETER (+) (‡)
9		CABLE, positive (+) on ammeter to "B" on voltage regulator (positive ground) or minus (-) on ammeter to "B" on voltage regulator (negative ground) (blue) (order 305 192 R91) (+) (‡)
10		CABLE, "R" on solenoid to resistor (brown) (order 305 192 R91) (+) (‡)
11	305 192 R91	HARNESS, cable (‡)
12		COIL, ignition (also illustrated with "Spark Plugs, Coil Cables and Distributor")
13	404 392 R1	CABLE, minus (-) on coil to resistor (positive ground) or plus (+) on coil to resistor (negative ground) (also listed with "Spark Plugs, Coil, Cables and Distributor")
14		RESISTOR (also listed with "Spark Plugs", Coil Cables and Distributor")
15	368 267 R91	CABLE, plus (+) on coil to distributor (positive ground) or minus (-) on coil to distributor (negative ground) (also listed with "Spark Plugs, Coil, Cables and Distributor")
16		DISTRIBUTOR, assembly (for components see list of parts under details of "Distributor")
17		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
18		CABLE, battery to ground (not furnished with power unit) (see "Battery and Cables")
19		CABLE, battery to cranking motor (not furnished with power unit) (see"Battery and Cables")
20		BATTERY (12 volt) - dry charged (not furnished with power unit) (see Battery and Cables")
21	264 164 R91	CLIP, cable (+) (‡) (3)
22		REGULATOR, voltage (for components see list of parts under details of "Voltage Regulator")
23		CABLE, generator "A" to "Gen" on voltage regulator (red w/black tracer) (order 264 637 R93)
24		CABLE, generator "F" to "F" on voltage regulator (black w/red tracer) (order 264 637 R93)

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) (For units equipped with Instrument Panel Attachment 305 191 R91 or Automatic Shut-Off Attachment 305 198 R91) (For Sleeved Engines)
25	265 191 R91	HARNESS, generator to regulator cable (*)
25	264 637 R93	HARNESS, generator to regulator cable (not *)
26		GENERATOR (for components see list of parts under details of "Generator")
27	263 515 R91	CLIP, generator cable
28	265 470 R91	RELAY (‡)
29		CABLE, "S" on relay to stop switch (furnished as part of SWITCH, 265 471 R91)
30	265 471 R91	SWITCH, stop (‡)
31		CABLE, stop switch to oil pressure indicator (furnished as part of 268 542 R91)
32		CABLE, stop switch to water temperature gauge (furnished as part of 256 502 R91)
33	268 542 R91	INDICATOR w/WIRE, oil pressure (‡)
34	256 502 R91	INDICATOR w/WIRE, water temperature (‡)
35	370 535 R1	CLIP, coil to distributor cable
36	362 120 R1	CLIP, cranking motor harness
37		CABLE, ignition switch to fuel pump (black) (**)
38		CONNECTOR (furnished as part of ignition switch to fuel pump cable) (**)
39		CABLE, fuel pump to connector (furnished as part of fuel pump)(**)
40		PUMP, fuel (for components see list of parts under details of "Electric Fuel Pump") (**)

(+) - Part of Instrument Panel Attachment, 305 191 R92

(‡) - Part of Automatic Safety Shut-Off Attachment, 305 198 R91

(*) - Used on Units Equipped with Hydraulic Pump

(**) - Part of Electric Fuel Pump Attachment, 316 151 R91

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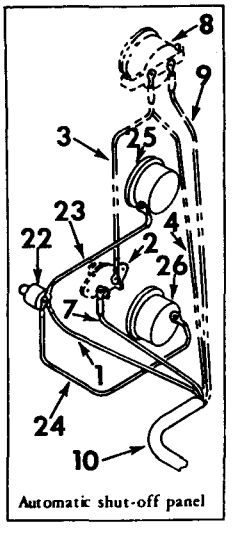
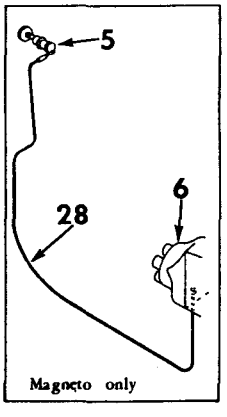
REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING
		(Magneto Ignition) (For units equipped with Instrument Panel Attachments 312 062 R91 and 312 063 R91 or Automatic Shut-Off Attachments 312 059 R91 and 312 060 R91 (For Sleeved Engines)
		C-221 501 to 43020
		C-263 501 to 56635

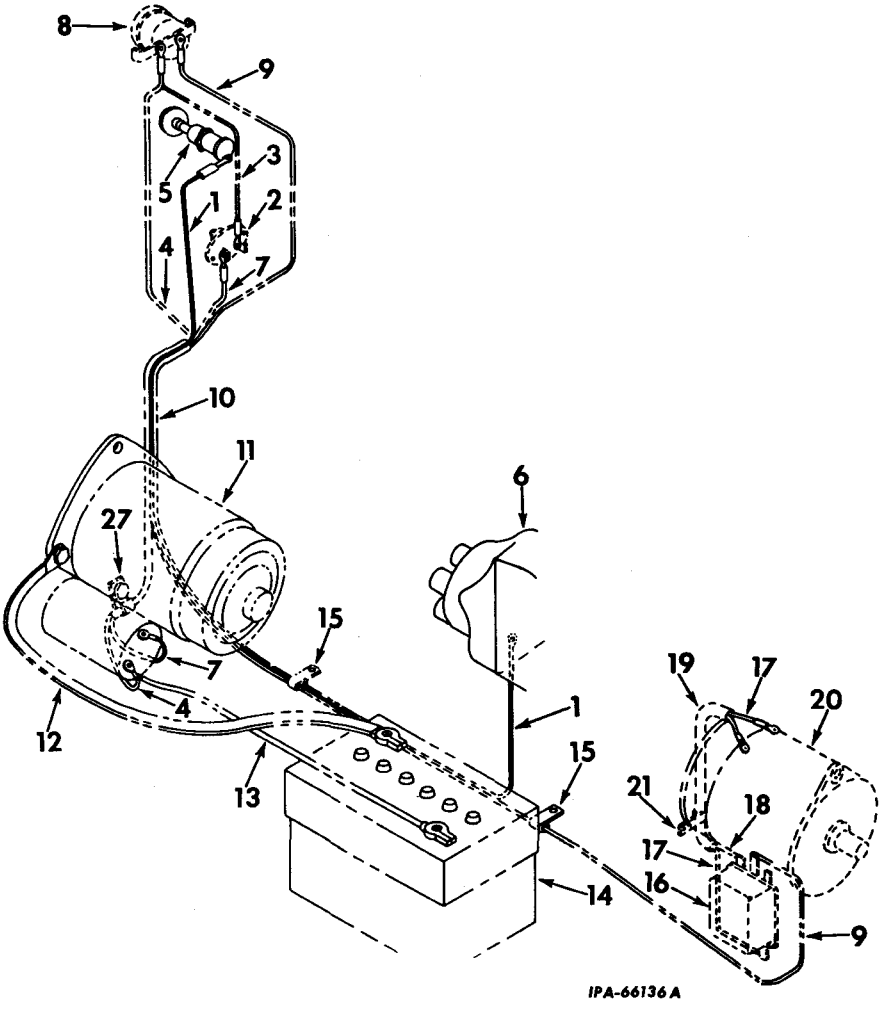
REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued
		(Magneto Ignition) (For units equipped with Instrument Panel Attachments 312 062 R91 and 312 063 R91 or Automatic Shut-Off Attachments 312 059 R91 and 312 060 R91 (For Sleeved Engines)
		C-221 501 to 43020
		C-263 501 to 56635



Automatic shut-off panel



Magneto only



IPA-66136A

1		CABLE, ignition switch to magneto (orange) (order 312 061 R91) (+)
1		CABLE, stop switch to magneto (orange) (order 312 061 R91) (*)
2	366 317 R93	SWITCH, starting (+) (*)
3		CABLE, minus (-) on ammeter to starting switch (positive ground) or positive (+) on ammeter to starting switch (negative ground) (red) (order 312 061 R91) (+) (*)
4		CABLE, minus (-) on ammeter to "B" on solenoid (positive ground) or positive (+) on ammeter to "B" on solenoid (negative ground) (red) (order 312 061 R91) (+) (*)
5	54 207 DB	SWITCH, magneto (*)
6	310 962 R91	MAGNETO (American Bosch MRD-6A302) high tension(medium duty-tungsten points) (for components see list of parts under details of "Magneto")
6	310 963 R91	MAGNETO (American Bosch MRF-6A302) (high tension) (heavy duty - tungsten points) (for components see list of parts under details of "Magneto")

(+) - Part of Instrument Panel Attachments 132 062 R91 and 312 063 R91.

(*) - Part of Automatic Safety Shut-off Attachments, 312 059 R91 and 312 060 R91

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Magneto Ignition) (For units equipped with Instrument Panel Attachments 312 062 R91 and 312 063 R91 or Automatic Shut-Off Attachments 312 059 R91 and 312 060 R91 (For Sleeved Engines) C-221 501 to 43020 C-263 501 to 56635
6	313 698 R91	MAGNETO (American Bosch MRF-6A332) (high tension) (heavy duty-platinum points) (for components see list of parts under details of "magneto")
7		CABLE, starting switch to "S" on solenoid (green) (order 312 061 R91) (+) (*)
8	702 283 C91	AMMETER (+) (*)
9		CABLE, positive (+) on ammeter to "B" on voltage regulator (positive ground) (or negative (-) on ammeter to "B" on voltage regulator (negative ground) (blue) (order 312 061 R91) (+) (*)
10	312 061 R91	HARNESS, cable (used with Electric Starting) (+) (*)
11		MOTOR, cranking (for components see list of parts under details of "Cranking Motor")
12		CABLE, battery to ground (not furnished with power unit) (see "Battery and Cables")
13		CABLE, battery to cranking motor (not furnished with power unit) (see "Battery and Cables")
14		BATTERY (12 volt) - dry charged (not furnished with power unit) (see "Battery and Cables")
15	264 164 R91	CLIP, cable (+) (*) (3)
16		REGULATOR, voltage (for components see list of parts under details of "Voltage Regulator")
17		CABLE, generator "A" to "GEN" on voltage regulator (red w/black tracer) (order 264 637 R93)
18		CABLE, generator "F" to "F" on voltage regulator (black w/red tracer) (order 264 637 R93)
19	264 637 R93	HARNESS, generator to regulator cable cable
20		GENERATOR (for components see list of parts under details of "Generator")
21	263 515 R91	CLIP, generator cable
22	265 471 R91	SWITCH, stop (*)
23		CABLE, stop switch to oil pressure indicator (furnished as part of 313 067 R91)
24		CABLE, stop switch to heat indicator (furnished as part of 265 468 R91)
25	313 067 R91	INDICATOR w/WIRE, oil pressure gauge (*)

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Magneto Ignition) (For units equipped with Instrument Panel Attachments 312 062 R91 and 312 063 R91 or Automatic Shut-Off Attachments 312 059 R91 and 312 060 R91 (For Sleeved Engines) C-221 501 to 43020 C-263 501 to 56635
26	265 468 R91	INDICATOR w/WIRE, heat gauge (*)
27	362 120 R1	CLIP, cable harness
28	62 862 D	CABLE, ignition switch to magneto (not used with electric starting)
	312 055 R1	ARM, idler pulley adjusting (also listed and illustrated with "Fan Belt, Idler Pulley and Arm") SCREW, 3/8 x 1" hex hd cap WASHER, 13/32 x 13/16 x 1/16"ga. WASHER, 3/8" lock
	ST 633	BEARING, idler pulley shaft (also listed and illustrated with "Fan Belt, Idler Pulley and Arm")
	305 177 R1	BELT, water pump and generator fan (also listed and illustrated with "Fan Belt, Idler Pulley and Arm")
	310 964 R91	CABLE, magneto high tension (cylinder No. 1)(also listed and illustrated with "Spark Plugs and Cables")
	310 965 R91	CABLE, magneto high tension (cylinder No. 2)(also listed and illustrated with "Spark Plugs and Cables")
	310 966 R91	CABLE, magneto high tension (cylinder No. 3) (also listed and illustrated with "Spark Plugs and Cables")
	310 967 R91	CABLE, magneto high tension (cylinder No. 4) (also listed and illustrated with "Spark Plugs and Cables")
	310 968 R91	CABLE, magneto high tension (cylinder No. 5) (also listed and illustrated with "Spark Plugs and Cables")
	310 969 R91	CABLE, magneto high tension (cylinder No. 6) (also listed and illustrated with "Spark Plugs and Cables")
	308 579 R1	CLIP, spark plug cable (also listed and illustrated with "Spark Plugs and Cables") (2) SCREW, 5/16 x 5/8" hex hd cap WASHER, 5/16" lock
	109 461	FITTING, 1/8" lubrication (Lincoln 5000) (optional with 138 322 H)
	138 322 H	FITTING, 1/8" lubrication (Alemite 1610BL) (optional with 109 461)

(+) - Part of Instrument Panel Attachments 132 062 R91 and 312 063 R91

(*) - Part of Automatic Safety Shut-off Attachments, 312 059 R91 and 132 060 R91

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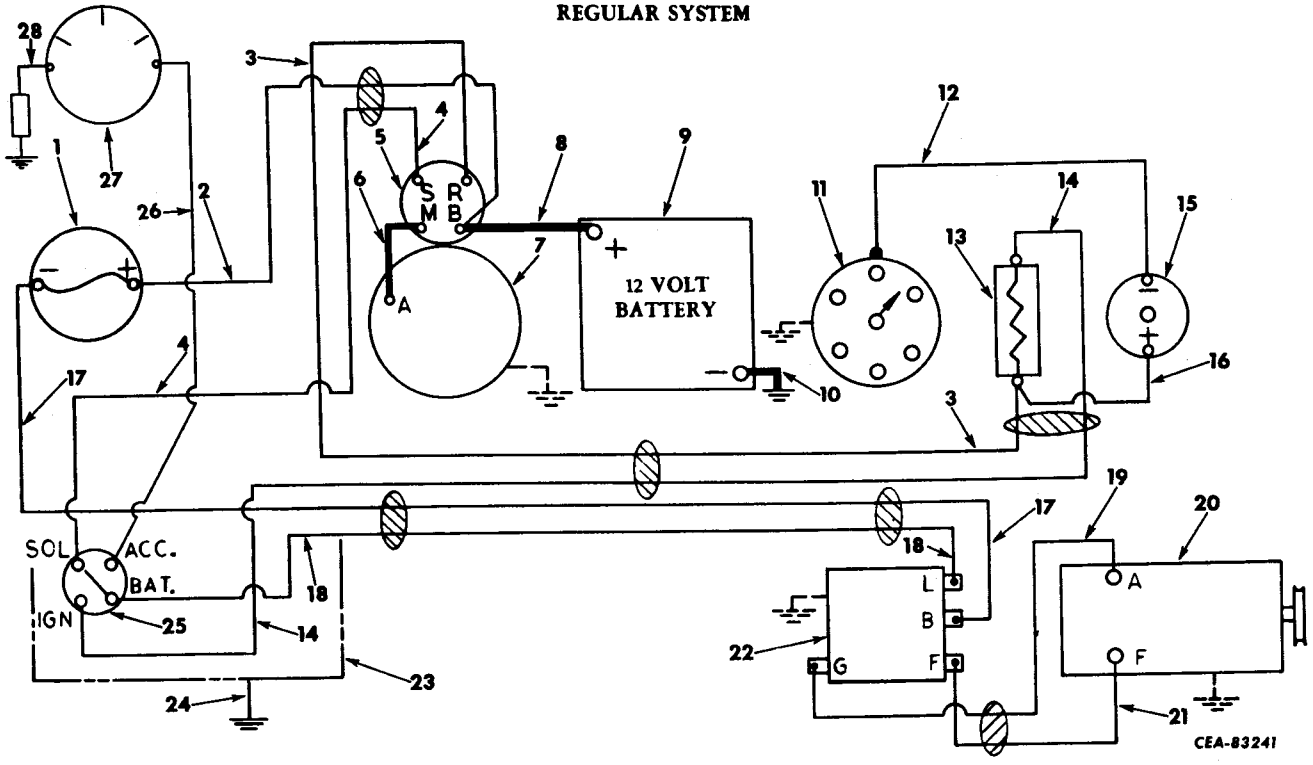
REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued
		(Magneto Ignition) (For units equipped with Instrument Panel Attachments 312 062 R91 and 312 063 R91 or Automatic Shut-Off Attachments 312 059 R91 and 312 060 R91 (For Sleeved Engines)
		C-221 501 to 43020
		C-263 501 to 56635
	353 936 R2	GASKET, oil pump shaft support (also listed and illustrated with "Crankcase Oil Pan and Oil Pump")
	312 051 R91	GAUGE, oil level
	312 054 R1	PULLEY, idler (also listed and illustrated with "Fan Belt, Idler Pulley and Arm")
	143 992	PLUG, 1/4" slt. hd pipe (also listed and illustrated with "Crankcase Oil Pan and Oil Pump")
	133 502 R1	RING, snap (also listed and illustrated with "Fan Belt, Idler Pulley and Arm") (2)
	312 056 R1	SUPPORT, idler pulley adjusting arm (also listed and illustrated with "Fan Belt, Idler Pulley and Arm")
		WASHER, 13/32 x 13/16 x 1/16"ga. (2)
	312 157 R91	SUPPORT, oil pump shaft (also listed and illustrated with "Crankcase Oil Pan and Oil Pump")
	312 052 R1	TUBE, oil filler
		SCREW, 5/16 x 1" hex hd cap (at front cover)
		WASHER, 5/16" lock

ELECTRIC WIRING
(Battery Ignition)
For units with instruments and instrument panel
(safety gauges) (For Sleeved Engines)

ELECTRIC WIRING - Continued
(Battery Ignition)
For units with instruments and instrument panel
(regular gauges) (For Sleeved Engines)

REGULAR SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION
1	702 283 C1	AMMETER (part of instrument and instrument panel)
2		CABLE, plus (+) on ammeter to "B" on solenoid (order 349 128 R91)
3		CABLE, "R" on solenoid to resistor (order 349 129 R91)
4		CABLE, "S" on solenoid to "SOL" on ignition and starter switch (order 349 128 R91)
5		SOLENOID (furnished as part of "Cranking Motor")
6		CONNECTOR, cranking motor to "M" on solenoid (furnished as part of "Cranking Motor")
7		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
8		CABLE, cranking motor to battery (not furnished with power unit) (see "Battery and Cables")
9		BATTERY (12 volt) (not furnished with power unit) (See "Battery and Cables")
10		CABLE, battery to ground (not furnished withpower unit) (See "Battery and Cables")
11		DISTRIBUTOR ASSY (for components see list of parts under details of "Distributor")
12		CABLE, minus on coil to distributor
13		RESISTOR, ignition coil (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
14		CABLE, resistor to "IGN" on ignition and starter switch (order 349 129 R91)
15		COIL w/CLAMP, ignition (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
16	370 594 R91	CABLE, plus (+) on coil to resistor (also listed and illustrated with "Spark Plugs, Coil , Cables and Distributor")
17		CABLE, "B" on regulator to minus (-) on ammeter (order 349 130 R91)
18		CABLE, "L" on regulator to "BAT" on ignition and starter switch (order 349 130 R91)
19		CABLE, "G" on regulator to "A" on generator (order 264 637 R93)
20		GENERATOR ASSY (for components see list of parts under details of "Generator")

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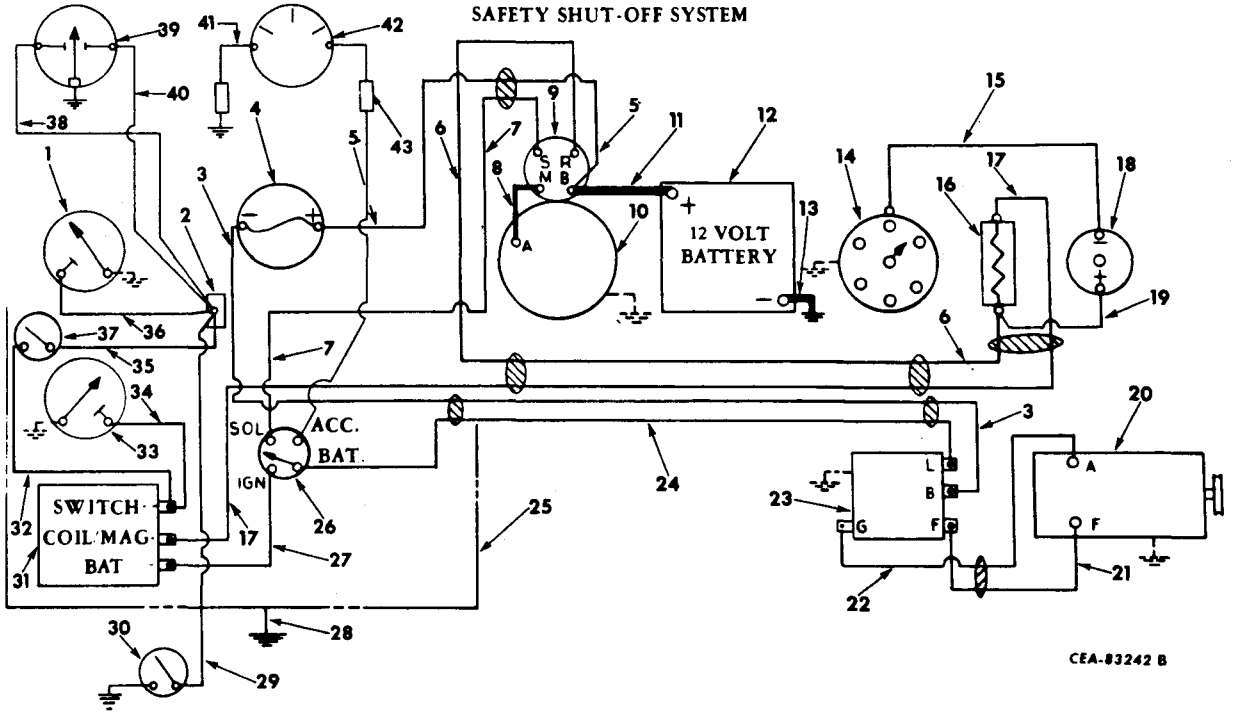
REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC WIRING - Continued (Battery Ignition) (For units with instruments and instrument panel (Safety gauges) (For Sleeved Engines)		
21		CABLE, "F" on regulator to "F" on generator (order 264 637 R93)
22		REGULATOR, voltage (12 volt) (for components see list of parts under details of "Voltage Regulator")
23	337 354 R3	PANEL, instrument (part of instrument and instrument panel)
24		NOT USED
25	327 144 R91	SWITCH, ignition and starter (part of instrument and instrument panel)
26		CABLE, tachourmeter to "ACC" on ignition and starter switch (furnished as part of hourmeter or tachourment)
27	338 595 R91	TACHOURMETER (part of ATTACHMENT, 349 134 R92)
27		HOURMETER, electric (part of ATTACHMENT, 349 136 R91)
28		CABLE, tachourmeter to ground (furnished as part of hourmeter or tachourmeter)
	349 128 R91	HARNESS, cranking motor cable (part of instrument and instrument panel)
	349 129 R91	HARNESS, ignition cable (part of instrument and instrument panel)
	349 130 R91	HARNESS, regulator cable (part of instrument and instrument panel)
	264 637 R93	HARNESS, generator to regulator

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING (Battery Ignition) For units with instruments and instrument panel (Safety gauges)(For Sleeved Engines)

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) For units with instruments and instrument panel (Safety gauges)(For Sleeved Engines)

SAFETY SHUT-OFF SYSTEM



1	347 604 R91	INDICATOR, safety oil pressure (see instruments and instrument panel)
2	42 915 D	BLOCK, junction (see instruments and instrument panel)
2	42 917D	BLOCK w/BLOCK, 42 915 D and BRACKET, 42 916 D, junction (optional with 352 110 R91) (see instruments and instrument panel)
2	352 110 R91	BLOCK w/BLOCK, 42 915 D and BRACKET, 42 916 D, junction (optional with 42 917 D) (see instruments and instrument panel)
	120 622	NUT, No. 8NF (cd or zn-pltd)
	102 635	NUT, 3/8"
	179 833	SCREW, 3/8 x 1/2" hex hd cap
	138 530	WASHER, No. 8 int. tooth lock
	103 321	WASHER, 3/8" lock
3		CABLE, "B" on regulator to minus (-) on ammeter (order 349 130 R91)
4	702 283 C1	AMMETER (see instruments and instrument panel)
5		CABLE, plus (+) on ammeter to "B" on solenoid (order 349 128 R91)
6		CABLE, "R" on solenoid to resistor (order 349 129 R91)
7		CABLE, "S" on solenoid to "SOL" on ignition and starter switch (order 349 128 R91)
8		CONNECTOR, cranking motor to "M" on solenoid (furnished as part of "Cranking Motor")
9		SOLENOID (furnished as part of "Cranking Motor")
10		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
11		CABLE, cranking motor to battery (not furnished with power unit)(see "Battery and Cables")
12		BATTERY (12 volt) (not furnished with power unit)(see "Battery and Cables")
13		CABLE, battery to ground (not furnished with power unit) (see "Battery and Cables")
14		DISTRIBUTOR ASSY (for components see list of parts under details of "Distributor")
15		CABLE, minus on coil to distributor
16		RESISTOR, ignition coil (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
17		CABLE, resistor to "IGN" on ignition and starter switch (order 349 129 R91)
18		COIL w/CLAMP, ignition (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
19	370 594 R91	CABLE, plus (+) on coil to resistor (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")

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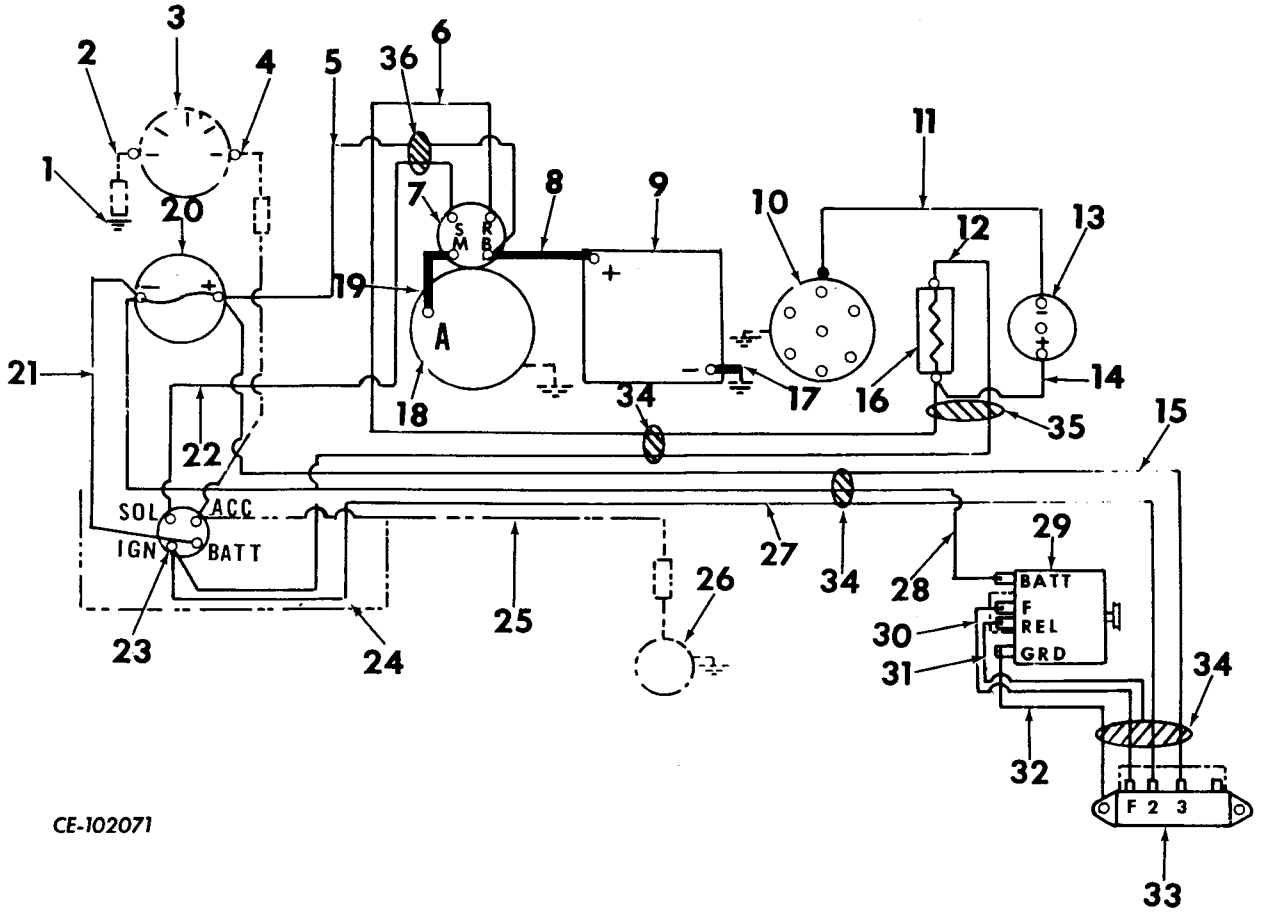
REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) For units with instruments and instrument panel (Safety Gauges) (For Sleeved Engines)
20		GENERATOR ASSY (for components see list of parts under details of "Generator")
21		CABLE, "F" on regulator to "F" on generator (order 264 637 R93)
22		CABLE, "G" on regulator to "A" on generator (order 264 637 R93)
23		REGULATOR, voltage (12 volt) (for components see list of parts under details of "Voltage Regulator")
24		CABLE, "L" on regulator to "BAT" on ignition and starter switch (order 349 130 R91)
25	337 354 R3	PANEL, instrument (part of instrument and instrument panel)
26	327 144 R91	SWITCH, ignition and starter (part of instrument and instrument panel)
27	63 713 DA	CABLE, "BAT" on relay to "IGN" on ignition and starter switch (part of instrument and instrument panel)
28	670 382 C91	CABLE, ground
29		NOT USED
30		NOT USED
31	678 132 C91	RELAY, automatic shut-off (part of instrument and instrument panel)
32	274 747 R91	CABLE, safety control toggle switch to "Switch" on relay (part of instrument and instrument panel)
33	702 544 C1	INDICATOR, safety heat (part of instrument and instrument panel)
34		CABLE, heat indicator to relay (order 702 544 C1)
35	274 747 R91	CABLE, safety control toggle switch to junction block (part of instrument and instrument panel)
36		CABLE, safety oil pressure indicator to junction block (order 347 604 R91)
37	253 818 R91	SWITCH, safety control toggle (optional with 603 884 C91) (part of instrument and instrument panel)
37	603 884 C91	SWITCH, safety control toggle (optional with 253 818 R91) (part of instrument and instrument panel)
38		NOT USED
39		NOT USED
40		NOT USED
41		CABLE, tachourmeter to ground (furnished as part of hourmeter or tachourmeter)
42		TACHOURMETER (part of ATTACHMENT, 349 134 R92)
42		HOURMETER, electric (part of ATTACHMENT, 349 136 R91)

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) For units with instruments and instrument panel (Safety Gauges) (For Sleeved Engines)
43		CABLE, tachourmeter to junction block (furnished as part of hourmeter or tachourmeter)
	42 916 D	BRACKET, junction block (part of instrument and instrument panel) NUT, No. 10 SCREW, No. 10 x 1/2" slt. hd. mach. WASHER, No. 10 lock
	264 637 R93	HARNESS, generator to regulator
	349 128 R91	HARNESS, cranking motor cable (part of instrument and instrument panel)
	349 129 R91	HARNESS, ignition cable (part of instrument and instrument panel)
	349 130 R91	HARNESS, regulator cable (part of instrument and instrument panel)

ELECTRIC WIRING
(Battery Ignition)
(For units with instruments and instrument panel)
(Regular Gauges) (For Sleeveless Engines)



CE-102071

REF. NO.	PART NUMBER	DESCRIPTION
1		CABLE, hourmeter to ground (furnished as part of Hourmeter)
2		CABLE, hourmeter (furnished as part of Hourmeter)
3	621 657 C91 132 705 131 044 103 091	HOURMETER, electric SCREW, No. 6 x 1/2" rd. hd. (3) WASHER, No. 6 lock (3) NUT, No. 6 (3)
4		CABLE, hourmeter to "ACC" on ignition and starter switch (furnished as part of hourmeter)
5		CABLE, plus (+) on ammeter to "B" on solenoid (part of HARNESS, 349 128 R91)
6		CABLE, "R" on solenoid to resistor (part of HARNESS, 349 129 R91)
7		SOLENOID (furnished as part of "Cranking Motor")
8	53 023 DA	CABLE, battery to cranking motor (not furnished with power unit)(see "Battery and Cables")
9		BATTERY (12 volt) (not furnished with power unit) (see "Battery and Cables")

ELECTRIC WIRING - Continued
(Battery Ignition)
(For units with instruments and instrument panel)
(Regular Gauges) (For Sleeveless Engines)

REF. NO.	PART NUMBER	DESCRIPTION
10		DISTRIBUTOR ASSY (for components see list of parts under details of "Distributor")
11	368 267 R91	CABLE, minus (-) on rail to distributor (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
12		CABLE, resistor to "IGN" on ignition and starter switch (part of HARNESS, 349 129 R91)
13	395 330 R2	COIL w/CLAMP, ignition (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
14	404 392 R1	CABLE, plus (+) terminal on coil to resistor (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
15		CABLE, voltage regulator No. 3 terminal to plus (+) terminal on ammeter (part of HARNESS, 601 269 C92)
16		RESISTOR, ignition coil (Delco-Remy No. 1957154) (also listed and illustrated with "Sprak Plugs, Coil, Cables, and Distributor")

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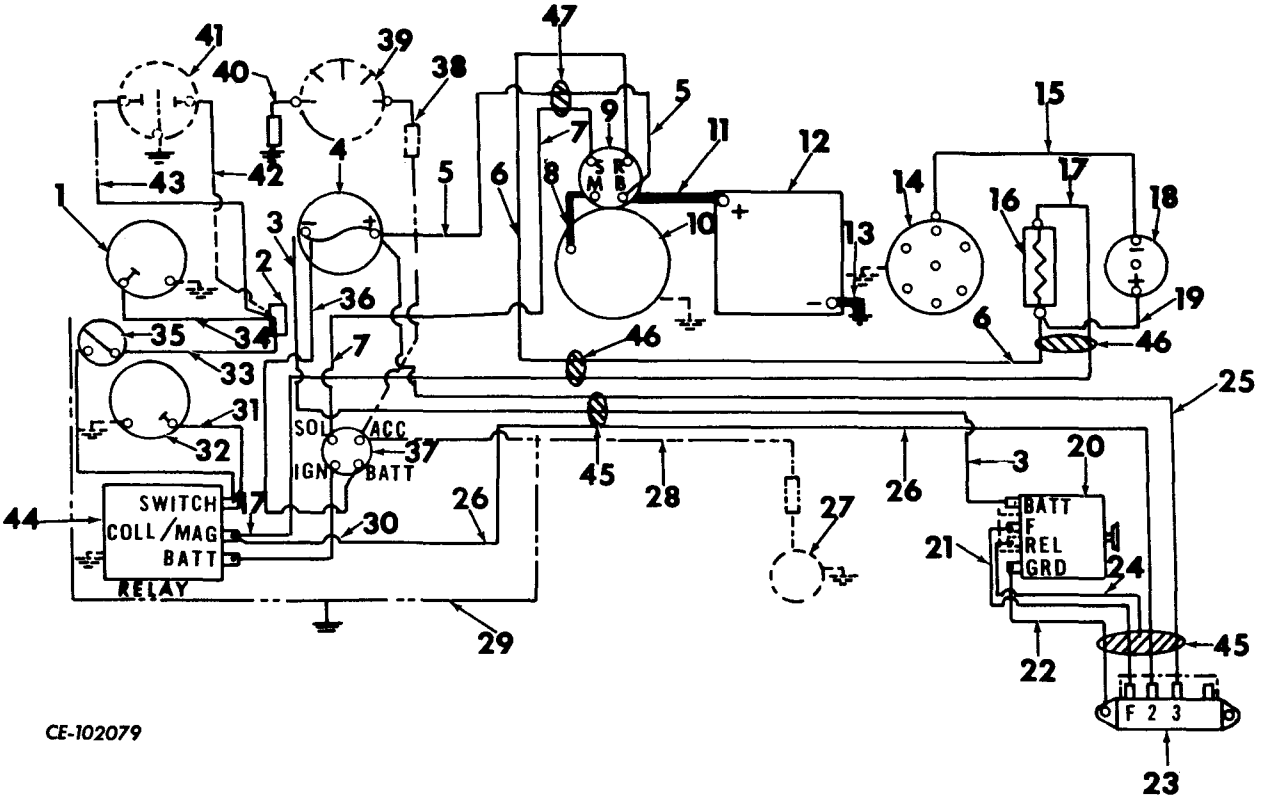
REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) (For units with instruments and instrument panel) (Regular Gauges) (For Sleeveless Engines)
17	30 668 DB	CABLE, battery to ground (not furnished with power unit) (see "Battery and Cables")
	120 394	WASHER, 13/32"
	178 551	WASHER, 3/8" int-ext lock
18		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
19		CABLE, cranking motor to "M" terminal on solenoid (furnished as part of "Cranking Motor")
20	702 283 C1	AMMETER (part of instruments and instrument panel)
21	678 253 C1	CABLE, minus (-) on ammeter to "BAT" terminal on ignition and starter switch
22		CABLE, "S" terminal on solenoid to "SOL" terminal on ignition and starter switch (part of HARNESS, 349 128 R91)
23	327 144 R91	SWITCH, ignition and starter (part of instrument and instrument panel)
24	337 354 R3	PANEL, instrument (part of instruments and instrument panel)
	336 419 R91	MOUNT, vibration (4)
	127 651	SCREW, No. 10 x 3/4" hex hd cap (4)
	120 217	WASHER, No. 10 lock
25	267 806 R91	CABLE, fuel pump to "ACC" terminal on starting and ignition switch
26	631 259 R91	PUMP, electric fuel (also listed and illustrated with "Electric Fuel Transfer Pump")
	179 793	SCREW, 1/4 x 5/8" hex hd cap (2)
	103 319	WASHER, 1/4" lock (2)
	109 084	NUT, 1/4" (2)
27		CABLE, No. 2 terminal on voltage regulator to "IGN" terminal on ignition switch (part of HARNESS, 601 269 C92
28		CABLE, ammeter minus (-) terminal to "BAT" terminal on alternator (part of HARNESS, 601 269 C92)
29	702 337 C91	ALTERNATOR (for components see list of parts under details of "Alternator")
30		CABLE, "F" terminal on regulator to "F" terminal on alternator (part of HARNESS, 601 269 C92)
31		CABLE, dummy lead (black) (part of HARNESS, 601 269 C92)
32		CABLE, alternator "GRD" terminal to voltage mtg. bolt (part of HARNESS, 601 269 C92)
33		REGULATOR ASSY, voltage (12 volt) (for components see list of parts under details of "Voltage Regulator")
34	264 164 R91	CLIP, alternator cable (3)

REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) (For units with instruments and instrument panel) (Regular Gauges) (For Sleeveless Engines)
35	370 535 R1	CLIP, ignition cable harness
36	362 120 R1	CLIP, cranking motor cable harness
	349 128 R91	HARNESS, cranking motor cable (part of instruments and instrument panel) (Consists of Ref. Nos. 5, 22)
	349 129 R91	HARNESS, ignition cable (part of instruments and instrument panel) (Consists of Ref. Nos. 6, 12)
	601 269 C92	HARNESS, alternator cable (Polarized Connector) (part of instruments and instrument panel) (Consists of Ref. Nos. 15, 27, 28, 30, 31, 32)

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC WIRING - Continued
(Battery Ignition)
For units with instruments and instrument panel
(Safety Gauges) (For Sleeveless Engines)



CE-102079

REF. NO.	PART NUMBER	DESCRIPTION
1	347 604 R91	INDICATOR, oil pressure-safety (part of instruments and instrument panel)
2	42 917 D	BLOCK, junction (optional with 352 110 R91) (part of instruments and instrument panel)
2	352 110 R91	BLOCK, junction w/BRACKET, 42 916 D (optional with 42 917 D) part of instruments and instrument panel)
	179 833	SCREW, 3/8 x 1/2" hex hd cap
	103 321	WASHER, 3/8" lock
	102 635	NUT, 3/8"
	138 530	WASHER, No. 8 int-tooth lock
	120 622	NUT, No. 8NF cad or zn-pltd hex
3		CABLE, ammeter minus (-) terminal to "BAT" terminal on alternator (part of HARNESS, 601 269 C92)
4	702 283 C1	AMMETER (part of instruments and instrument panel)
5		CABLE, plus (+) terminal on ammeter to "B" terminal on solenoid (part of HARNESS, 349 128 R91)
6		CABLE, "R" on solenoid to resistor (part of HARNESS, 349 129 R91)
7		CABLE, "S" terminal on solenoid to "SOL" terminal on ignition and starter switch (part of HARNESS 349 128 R91)

ELECTRIC WIRING - Continued
(Battery Ignition)
For units with instruments and instrument panel
(Safety Gauges) (For Sleeveless Engines)

REF. NO.	PART NUMBER	DESCRIPTION
8		CABLE, cranking motor to "M" terminal on solenoid (furnished as part of "Cranking Motor")
9		SOLENOID (furnished as part of "Cranking Motor")
10		MOTOR ASSY, cranking (for components see list of parts under details of "Cranking Motor")
11	53 023 DA	CABLE, battery to cranking motor (not furnished with power unit) (see "Battery and Cables")
12		BATTERY (12 volt) (not furnished with power unit) (see "Battery and Cables")
13	30 668 DB	CABLE, battery to ground (not furnished with power unit) (See "Battery and Cables")
	120 394	WASHER, 13/32"
	178 551	WASHER, 3/8" int-ext lock
14		DISTRIBUTOR ASSY (for components see list of parts under details of "Distributor")
15	368 267 R91	CABLE, minus (-) terminal on coil to distributor (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")

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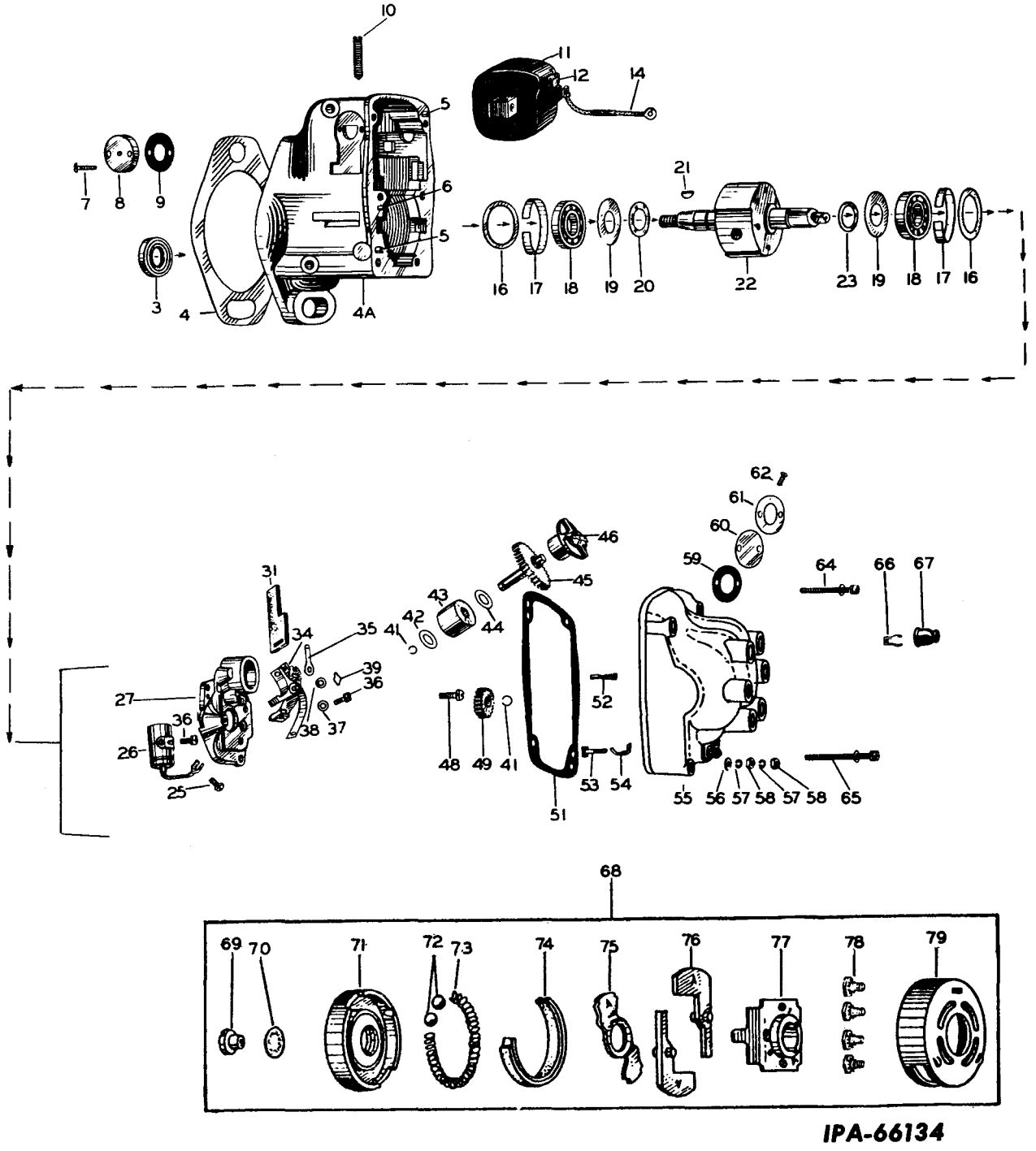
REF. NO.	PART NUMBER	DESCRIPTION
		ELECTRIC WIRING - Continued (Battery Ignition) (For units with instruments and instrument panel (Safety Gauges) (For Sleeveless Engines)
16		RESISTOR, ignition coil (Delco-Remy No. 1957154)(also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
17		CABLE, resistor to "IGN" on ignition and starter switch (part of HARNESS, 349 129 R1)
18	395 330 R2	COIL w/CLAMP, ignition (also listed and illustrated with "Spark Plugs, Coil, Cables and Distributor")
19	404 392 R1	CABLE, plus (+) terminal on coil to resistor (also listed and illustrated with "Spark Plugs, Coil, Cables, and Distributors")
20	702 337 C91	ALTERNATOR (for components see list of parts under details of "Alternator")
21		CABLE, "F" terminal on regulator to "F" terminal on alternator (part of HARNESS 601 269 C92)
22		CABLE, alternator "GRD" terminal to voltage regulator mtg. bolts (part of HARNESS, 601 269 C92)
23		REGULATOR ASSY, voltage (12 volt) (for components see list of parts under details of "Voltage Regulator")
24		CABLE, dummy lead (black) (part of HARNESS, 601 269 C92)
25		CABLE, voltage regulator No. 3 terminal to plus (+) terminal on ammeter (part of HARNESS, 601 269 C92)
26		CABLE, NO. 2 terminal on voltage regulator to coil magneto terminal on relay switch (part of HARNESS, 601 269 C92)
27	631 259 R91 179 793 103 319 109 084	PUMP, electric fuel SCREW, 1/4 x 5/8" hex hd cap (2) WASHER, 1/4" lock (2) NUT, 1/4" (2)
28	267 806 R91	CABLE, fuel pump to "ACC" terminal on starting and ignition switch
29	337 354 R3 336 419 R91 127 651 120 217	PANEL, instrument (part of instruments and instrument panel) MOUNT, vibration (4) SCREW, No. 10 x /34" hex hd cap (4) WASHER, No. 10 lock (4)
30	637 130 A	CABLE, "BAT" terminal on relay switch to "IGN" terminal on starter and ignition switch.
31		CABLE, plus (+) terminal on heat indicator to "S" terminal on relay switch (order 702 544 C1)
32	702 544 C1	INDICATOR, heat safety
33	274 747 R91	CABLE, safety control toggle switch to junction block
34		CABLE, safety oil pressure indicator to junction block (order 347604 R91)
35	253 818 R91	SWITCH, safety control toggle (optional with 253 818 R91)
36	678 253 C1	CABLE, minus (-) terminal on ammeter to "BAT" terminal on ignition and starter switch
37	327 144 R91	SWITCH, ignition and starter (part of instruments and instrument panel)
38		CABLE, hourmeter to "ACC" on ignition and starter switch (furnished as part of Hourmeter)
39	621 657 C91 132 705 131 044 103 091	HOURMETER, electric SCREW, No. 6 x 1/2" rd hd (3) WASHER, No. 6 lock (3) NUT, No. 6 (3)
40		CABLE, hourmeter to ground (order HOURMETER, 621 657 C91)
41		NOT USED
42		NOT USED
43		NOT USED
44	678 132 C91	SWITCH, relay (part of instruments and instrument panel)
45	264 164 R91	CLIP, alternator cable (2)
46	370 535 R1	CLIP, ignition cable harness (2)
47	362 120 R1	CLIP, cranking motor cable harness
	349 128 R91	HARNESS, cranking motor cable (part of instruments and instrument panel) (Consists of Ref. Nos. 5, 7)
	349 129 R91	HARNESS, ignition cable (part of instruments and instrument panel) (Consists of Ref. Nos. 6, 17)
	601 269 C92	HARNESS, alternator cable (polarized Connector) (part of instruments and instrument panel) (Consists of Ref. Nos. 3, 21, 22, 24, 25, 26)

MAGNETO
(Bosch) (High Tension)
C-221 501 to 43020
C-263 501 to 56635

MAGNETO - Continued
(Bosch) (High Tension)
C-221 501 to 43020
C-263 501 to 56635



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REF. NO.	PART NUMBER	DESCRIPTION
		MAGNETO - Continued (Bosch) (High Tension) C-221 501 to 43020 C-263 501 to 56635
	310 962 R91	MAGNETO, high tension (Bosch MRD-6A-302)(medium duty-tungsten points)
		SCREW, 3/8 x 1-/38" hex hd cap
		SCREW, 3/8 x 1-1/4" hex hd cap
		WASHER, 3/8" lock (2)
	127 507 H	WASHER, magneto screw (2)
3		SEAL (NFS)
4		*GASKET
5		PIN (NFS)
6		PIN (NFS)
7		SCREW (NFS)
8		COVER (NFS)
9		*GASKET
10		SCREW (NFS)
11		COIL, includes Ref. No. 12 and 14 (NFS)
12		SPRING (NFS)
14		CABLE (NFS)
16		* WASHER
17		*STRIP
18		BEARING (NFS)
19		*WASHER
20		*WASHER
21		KEY (NFS)
22		ROTOR (NFS)
23		*WASHER (.012" thick)
23		*WASHER (.007" thick)
23		*WASHER (.004" thick)
23		*WASHER (.002" thick)
25		* SCREW and lock WASHER
26		*CONDENSER
27		PLATE (NFS)
31		WICK (NFS)
34		*BRACKET ASSEMBLY - includes Ref. No. 38 and 39
35		CLIP (NFS)
36		*SCREW and lock WASHER
37		*WASHER
38		*WASHER
39		*RING
41		*RING
42		WASHER (NFS)

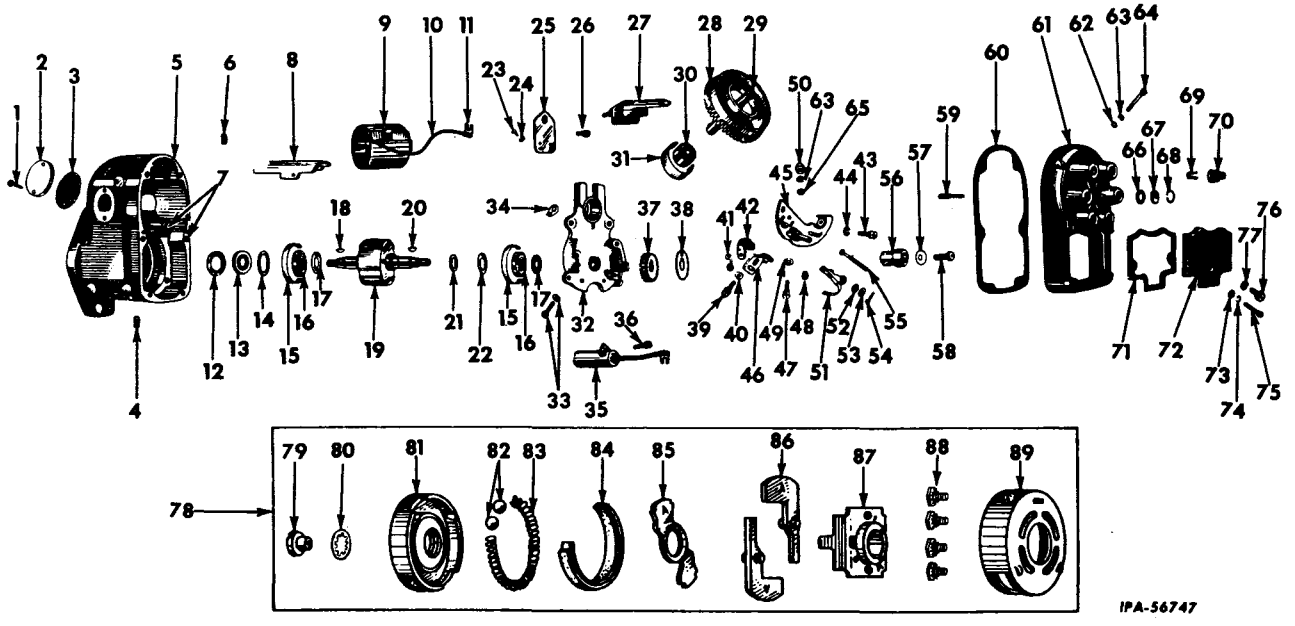
REF. NO.	PART NUMBER	DESCRIPTION
		MAGNETO - Continued (Bosch) (High Tension) C-221 501 to 43020 C-263 501 to 56635
43		BEARING (NFS)
44		WASHER (NFS)
45		GEAR (NFS)
46		ROTOR (NFS)
48		*SCREW and LOCKWASHER
49		*GEAR (NFS)
51		*GASKET
52		*BRUSH w/SPRING
53		STUD (NFS)
54		SPRING (NFS)
55		DISTRIBUTOR, plate assembly (includes Ref. Nos. 53, 54 and 56 to 62 (NFS)
56		WASHER (NFS)
57		WASHER (NFS)
58		NUT (NFS)
59		*GASKET
60		WINDOW (NFS)
61		WASHER (NFS)
62		SCREW (NFS)
64		*SCREW
65		*SCREW and lock WASHER
66		CLIP (NFS)
67		NIPPLE (NFS)
68		IMPULSE COUPLING ASSY - Includes Ref. Nos. 69 to 79 (NFS)
69		NUT (NFS)
70		WASHER (NFS)
71		HOUSING (NFS)
72		BALL (NFS)
73		SPRING (NFS)
74		WICK (NFS)
75		CAM (NFS)
76		WEIGHT (NFS)
77		HUB (NFS)
78		SCREW and WASHER (NFS)
79		PLATE (NFS)
	317 835 R91	*PACKAGE, magneto field service

* - Furnished As Part Of Magneto Field Service Package 317 835 R91

NFS - Not Furnished Separately

REF. NO.	PART NUMBER	DESCRIPTION
		MAGNETO (Bosch) (High Tension) C-221 501 to 43020 C-263 501 to 56635

REF. NO.	PART NUMBER	DESCRIPTION
		MAGNETO - Continued (Bosch) (High Tension) C-221 501 to 43020 C-263 501 to 56635



	313 698 R91	MAGNETO, high tension (Bosch MRF-6A-332) (heavy duty-platinum points)
	310 963 R91	MAGNETO, high tension (Bosch MRF-6A-302) (heavy duty-tungsten points)
		SCREW, 3/8 x 1-3/8" hex hd cap
		SCREW 3/8 x 1-1/4" hex hd cap
		WASHER, 3/8 " lock (2)
	127 507 H	WASHER, magneto screw (2)
1		* SCREW and lock WASHER
2		COVER (NFS)
3		SCREW (NFS)
4		SCREW (NFS)
5		HOUSING (NFS)
6		SCREW (NFS)
7		PIN (NFS)
8		INSULATION (NFS)
9		COIL (NFS)
10		CABLE (NFS)
11		TERMINAL (NFS)
12		* WASHER
13		* SEAL
14		* WASHER
15		* STRIP (.009 thick)
15		* STRIP (.008 thick)
16		BEARING (NFS)
17		WASHER (NFS)
18		KEY (NFS)
19		ROTOR (NFS)
20		KEY (NFS)
21		* WASHER (.012" thick)
21		* WASHER (.007" thick)
21		* WASHER (.004" thick)
21		* WASHER (.002" thick)
22		* WASHER
23		SCREW (NFS)
24		WASHER (NFS)
25		INSULATION (NFS)
26		SCREW and lock WASHER (NFS)
27		CONDUCTOR (NFS)
28		GEAR AND ROTOR (NFS)
29		ROTOR (NFS)
30		BEARING (NFS)
31		SPACER (NFS)

* - Furnished as Part of Magneto Field Service Package 317 834 R91

NFS - Not Furnished Separately

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REF. NO.	PART NUMBER	DESCRIPTION
		MAGNETO - Continued (Bosch) (High Tension) C-221 501 to 43020 C-263 501 to 56635
32		BRACKET (NFS)
33		SCREW and lock WASHER (NFS)
34		CLIP (NFS)
35		* CONDENSER
36		SCREW and lock WASHER (NFS)
37		GEAR (NFS)
38		WASHER (NFS)
39		SCREW and lock WASHER (NFS)
40		WASHER (NFS)
41		HOOK (NFS)
42		WICK (NFS)
43		SCREW and lock WASHER (NFS)
44		WASHER (NFS)
45		BREAKER PLATE (NFS)
46		* BRACKET
47		SCREW and lock WASHER (NFS)
48		WASHER (NFS)
49		WASHER (NFS)
50		NUT (NFS)
51		* LEVER
52		* WASHER
53		WASHER (NFS)
54		PIN (NFS)
55		* BRUSH
56		CAM (NFS)
57		WASHER (NFS)
58		SCREW w/lock WASHER (NFS)
59		* BRUSH w/SPRING
60		* GASKET
61		PLATE
62		* WASHER
63		* WASHER
64		* SCREW
65		WASHER
66		GASKET (NFS)
67		WINDOW (NFS)
68		RING (NFS)
69		TERMINAL (NFS)
70		NIPPLE (NFS)

REF. NO.	PART NUMBER	DESCRIPTION
		MAGNETO - Continued (Bosch) (High Tension) C-221 501 to 43020 C-263 501 to 56635
71		* GASKET
72		CAP (NFS)
73		* WASHER
74		* WASHER
75		SCREW (NFS)
76		* SCREW
77		WASHER (NFS)
78		IMPULSE COUPLING ASSY-includes Ref. Nos. 79 to 89 (NFS)
79		NUT (NFS)
80		WASHER (NFS)
81		HOUSING (NFS)
82		BALL (NFS)
83		SPRING (NFS)
84		WICK (NFS)
85		CAM (NFS)
86		WEIGHT (NFS)
87		HUB (NFS)
88		SCREW and WASHER (NFS)
89		PLATE (NFS)
		PLATE (NFS)
		PLATE (NFS)
		* GASKET
	317 834 R91	* PACKAGE, magneto field service

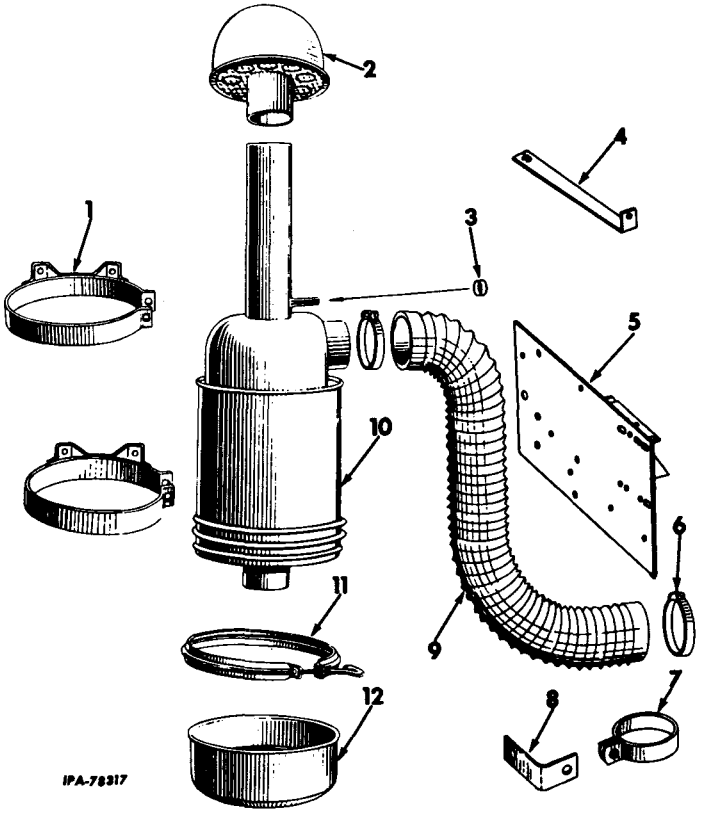
* - Furnished as Part of Magneto Field Service Package 317 834 R91

NFS - Not Furnished Separately

BATTERY AID CABLES	
	BATTERY, dry charged (12 volt) (Auto-Lite 12H-70-3)
356 062 R91	BOLT, battery terminal (X)
30 668 DB	CABLE, battery to cranking motor (positive grounded battery)
53 023 DA	CABLE, battery to cranking motor (negative grounded battery)
263 518 R91	CABLE, battery to ground (positive grounded battery)
30 668 DB	CABLE, battery to ground (negative grounded battery)
	WASHER, 13/32 x 13/16 x No. 16 ga.
	WASHER, 3/8" internal-external tooth lock

(X) - As Required

AIR CLEANER
(Donaldson) (Oil Bath Type)



REF. NO.	PART NUMBER	DESCRIPTION
A	305 180 R91	ATTACHMENT, air cleaner (+)
B	349 144 R91	ATTACHMENT, air cleaner (see Notes NOTES 1 and 3)
1	55 804 DX	BRACKET, air cleaner (2 for Attachment A) NUT, 5/16" (2) NUT, 3/8" (4) SCREW, 5/16 x 1-1/4" slt fil hd mach. (2) SCREW, 3/8 x 7/8" hex hd cap SCREW, 3/8 x 1-1/8" hex hd cap WASHER, 5/16" lock (2) WASHER, 3/8" lock (4) WASHER, 13/32 x 13/16" x 1/16"
1	55 804 DX	BRACKET, air cleaner (2 for Attachment B) NUT, 3/8" (4) SCREW, 3/8 x 7/8" hex hd cap (2) SCREW 3/8 x 1-1/8" hex hd cap (2) WASHER, 3/8" lock (4)
2	353 013 R92	CAP, air intake
3	265 331 R1	CAP, vent tube
4	318 140 R1	BRACE, air cleaner support (Attachment A)
5	305 181 R13	SUPPORT, air cleaner (Attach. A)
5	349 138 R91	SUPPORT, air cleaner (Attach. B)
6	274 088 R91	CLAMP, air pipe hose (2)

AIR CLEANER - Continued
(Donaldson) (Oil Bath Type)

REF. NO.	PART NUMBER	DESCRIPTION
7	31 790 DA	BRACKET, air hose support NUT, 3/8" SCREW, 3/8 x 1" hex hd cap WASHER, 3/8" lock
8	305 886 R1	ANGLE, air hose support
9	305 885 R1	PIPE, air
10		BODY, (Not Furnished Separately)
10	357 659 R92	CLEANER w/BODY, CLAMP, 54 269 D, CUP, 355 444 R92, ASSY, air (7") (Attach. A)
10	305 626 R91	CLEANER w/BODY, CLAMP, 54 269 D, CUP, 355 444 R92, ASSY, air (7") (Attach. B)
11	54 269 D	CLAMP, oil cup retaining
12	355 444 R92	CUP, oil

(+) - Attachment No Longer Available Service Parts Only Will be Furnished

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels

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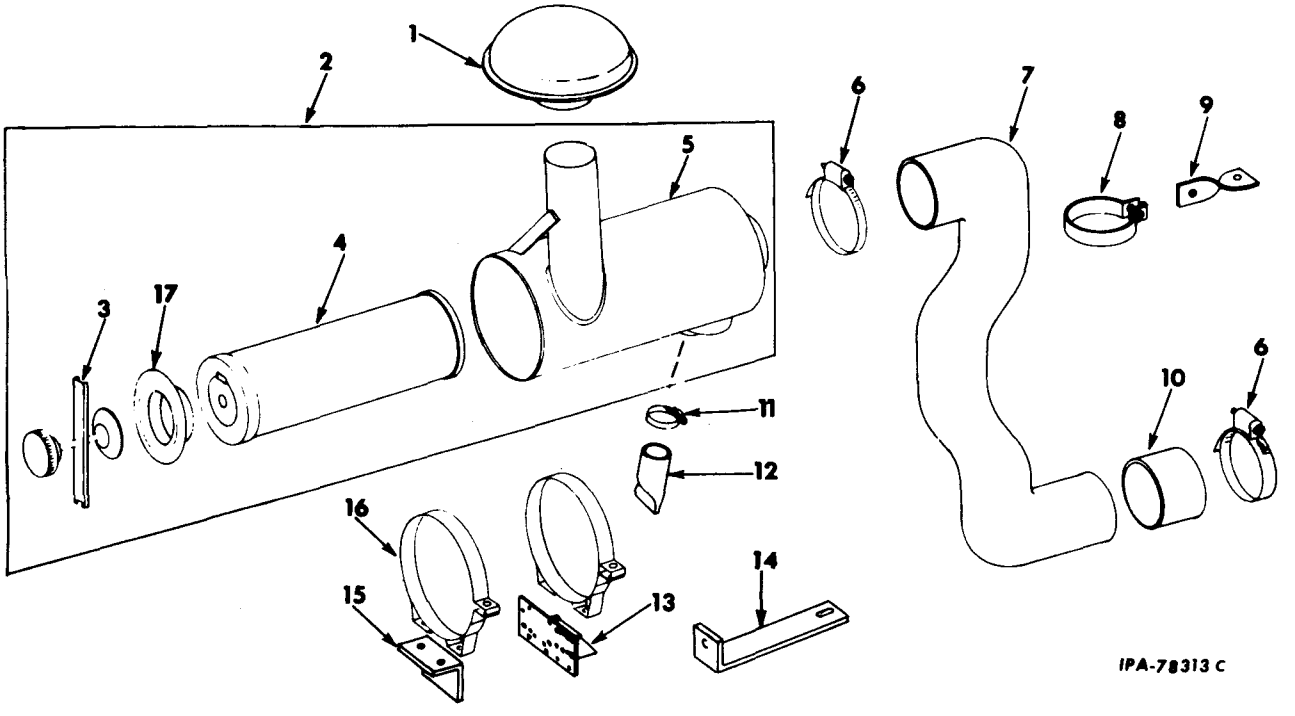
AIR CLEANER AND CONNECTIONS
(United Specialties) (Dry Type)



REF. NO.	PART NUMBER	DESCRIPTION
	349 137 R91	ATTACHMENT, air cleaner and connections (+)
1	353 018 R92	CAP, weather
2	338 887 R91	CLEANER, air
3	313 965 R91	RETAINER, air cleaner element
4	317 702 R91	ELEMENT, air cleaner
5		BODY, air cleaner (Not Furnished Separately)
6	274 088 R91	CLAMP, air pipe (2)
7	347 598 R1	PIPE, air
8	112 030 H	CLAMP, air pipe support
	102 635	NUT, 3/8"
	179 840	SCREW, 3/8 x 1-1/8" hex hd cap
	103 321	WASHER, 3/8" lock
9	349 143 R1	SUPPORT, air pipe
		SCREW, 3/8 x 3-1/4" hex hd cap
10	347 599 R1	SLEEVE, air pipe hose
11	122 316 R91	CLAMP, dust unloader
12	324 194 R1	UNLOADER, dust
13	349 138 R91	SUPPORT, air cleaner
14	349 141 R1	BRACE, air cleaner support
		SCREW, 3/8 x 3-1/4" hex hd cap

AIR CLEANER AND CONNECTIONS - Continued
(United Specialties) (Dry Type)

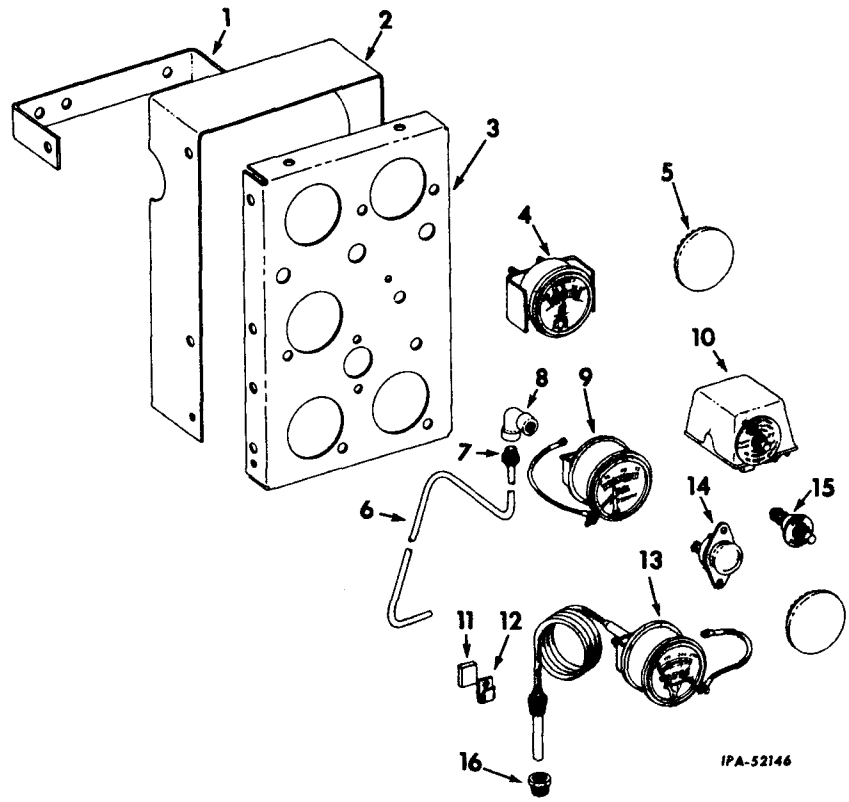
REF. NO.	PART NUMBER	DESCRIPTION
15	349 142 R1	BRACKET, air cleaner
	102 635	NUT, 3/8" (4)
	179 839	SCREW, 3/8 x 1" hex hd cap (4)
	103 321	WASHER, 3/8" lock (4)
16	341 373 R91	BRACKET, air cleaner mtg. (2)
	102 635	NUT, 3/8" (4)
	179 837	SCREW, 3/8 x /34" hexhd cap (4)
	103 321	WASHER, 3/8" lock (4)
17	603 824 C1	GASKET, end cap seal
	2 751 188 R1	PRODUCT GRAPHIC, decalcomania, air cleaner instruction

(+) - Attachment no longer Available. Service Parts Only Will be Furnished

ATTACHMENTS

AUTOMATIC SAFETY SHUT-OFF
(Murphy Panel) (Not used on units equipped with Instruments and Panel Attachments 305 191 R91, 312 062 R91 and 312 063 R91)

AUTOMATIC SAFETY SHUT-OFF - Continued
(Murphy Panel) (Not used on units equipped with Instruments and panel attachments 305 191 R91, 312 062 R91 and 312 063 R91)



REF. NO.	PART NUMBER	DESCRIPTION
A	305 198 R91	ATTACHMENT, automatic safety shut-off (Murphy panel) (Battery ignition) (+)
B	312 059 R91	ATTACHMENT, automatic safety shut-off (Murphy panel) (Magneto ignition) (For units not equipped with Cranking Motor and Generator) (+)
C	312 060 R91	ATTACHMENT, automatic safety shut-off (Murphy panel) (Magneto ignition) (for units not equipped with Cranking Motor and Generator) (+)
1	304 585 R11	BRACKET, instrument panel mtg (2) NUT, 3/8" (2) SCREW, 3/8 x 3/4" hexhd cap (4) WASHER, 3/8" lock (4)
2	304 586 R1	HOUSING, instrument panel
3	278 597 R2	PANEL, instrument SCREW, 1/4 x 1/2" slt rd hd (4) WASHER, 1/4" lock (4)
4	702 283 C91	AMMETER (also listed with "Electric Starting") (Units A and B)
5	432 577	PLUG, instrument panel button (2 for Units A and B) (3 for Units C)
6	304 587 R1	TUBE, oil pressure indicator
7	369 987 R1	NUT, tube (nylon) (2)
8	67 869 D	ELBOW, oil pressure indicator tube (in gauge)
9	268 542 R91	GAUGE, oil pressure (also listed with "Electric Starting") (Unit A)
9	313 067 R91	GAUGE, oil pressure (also listed with "Electric Starting") (Units B and C)
10	265 470 R91	RELAY, (also listed with "Electric Starting")
11	26 242 D	FELT, heat indicator cable clip
12	254 275 R1	CLIP, heat indicator cable SCREW, 3/8 x 3/4" hex hd cap WASHER, 3/8" lock
13	256 502 R91	INDICATOR, heat (also listed with "Electric Starting") (Unit A)
13	265 468 R91	INDICATOR, heat (also listed with "Electric Starting") (Units B and C)
14	366 317 R93	SWITCH, starting (also listed with "Electric Starting")
15	265 471 R91	SWITCH, stop (also listed with "Electric Starting"

(+) - Attachment No Longer Available Service Parts Only Will be Furnished

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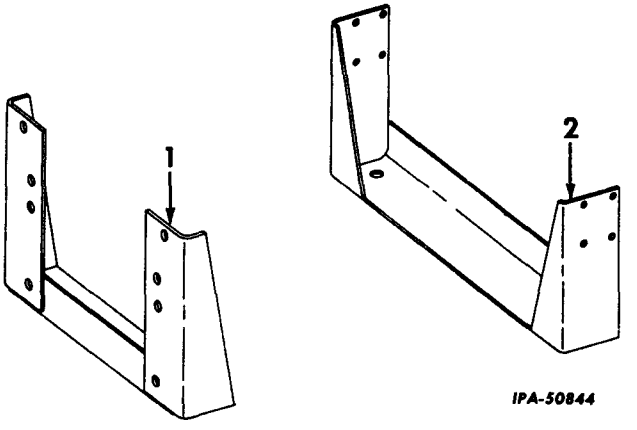
REF. NO.	PART NUMBER	DESCRIPTION
		AUTOMATIC SAFETY SHUT-OFF - Continued (Murphy Panel) (Not used on units equipped with instruments and panel attachments 305 191 R92, 312 062 R91 and 312 063 R91)
16	346 598 R1	ADAPTER, heat indicator
	62 862 D	CABLE, ignition switch to magneto (Unit C)
	29 901 D	CONNECTOR, oil pressure indicator tube (in crankcase)
	264 164 R91	CLIP, cable harness (illustrated with "Electric Starting") (3 for Units A and B) (Unit C)
	362 120 R1	CLIP, cable harness (Illustrated with "Electric Starting") (Units B and C)
	305 192 R91	HARNESS, cable (illustrated with "Electric Starting") (Unit A)
	312 061 R91	HARNESS, cable (illustrated with "Electric Starting") (Unit B)

SUPPORTS

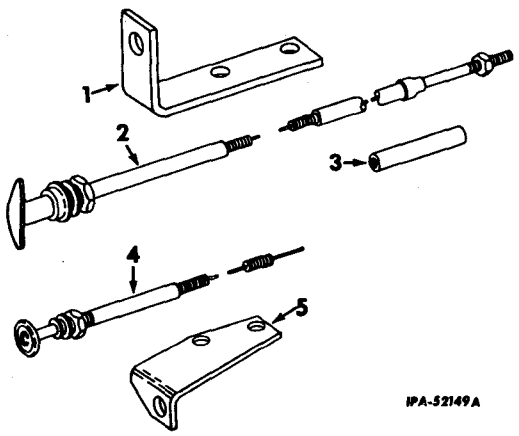


REF. NO.	PART NUMBER	DESCRIPTION
A	305 296 R91	ATTACHMENT, front support (see NOTES 1 and 3)
B	305 297 R91	ATTACHMENT, rear support (see NOTES 1 and 3)
1	304 546 R12	SUPPORT, front (Unit A) NUT, 5/8" (4) SCREW, 5/8 x 3-3/4" hex hd cap (4) WASHER, 5/8" lock (4)
2	304 543 R11	SUPPORT, rear (Unit B) SCREW, 1/2 x 1" hex hd cap (8) WASHER, 1/2" lock (8)

NOTE 1 - Factory Application -Order On Machine Order Form.

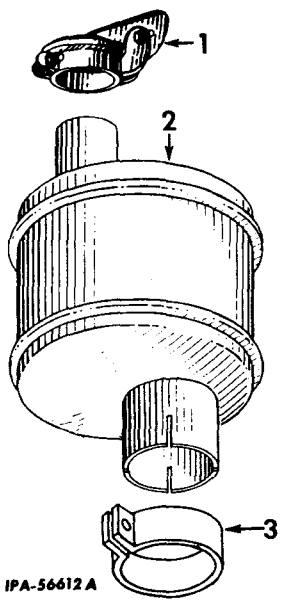
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ENGINE CONTROLS
(For engines with Mechanical Governor)



REF. NO.	PART NUMBER	DESCRIPTION
A	305 185 R92	ATTACHMENT, engine controls (for units equipped with Natural Gas, LPG and Combination Gas and gasoline engines and IH mechanical governor) (see NOTES 1 and 3)
B	312 064 R91	ATTACHMENT, engine controls (for units equipped with Natural Gas, LPG and combination gas and gasoline engines and Novi mechanical governor) (*)
C	323 826 R91	ATTACHMENT, engine controls (for units equipped with gasoline engines and Novi mechanical governor) (*)
D	323 862 R91	ATTACHMENT, engine controls (for units equipped with gasoline engines and I. H. mechanical governor) (see NOTES 1and 3)
1	349 148 R1	BRACKET, governor control cable SCREW, 3/8 x 7/8" hex hd cap (2) WASHER, 3/8" lock (2)
2	305 114 R92	CABLE, governor control (Attachments A and D)
2	313 069 R93	CABLE, governor control (Attachments B and C)
3	332 077 R1	COUPLING, governor control cable (Attachments A and D) NUT, 1/4"NF
4	312 428 R91	WIRE, choke control (Attachments A and B)
4	312 199 R91	WIRE, choke control (Attachments C and D)
5	349 147 R1	BRACKET, choke control wire
	109 415	BALL JOINT, governor control cable (Attachments B and C) NUT, 1/4"NF (2) WASHER, 1/4" lock
	35 758 D	CLIP, governor control cable (mount on center oil pan bolt) (Attachments B and C) NUT, 1/4"NF SCREW, 1/4"NF x 1/2"hex hd cap WASHER, 1/4" lock WASHER, 11/32 x 11/16 x 1/16"

EXHAUST MUFFLER AND RAIN CAP
(Nelson Muffler Co.)



REF. NO.	PART NUMBER	DESCRIPTION
	332 516 R91	ATTACHMENT, exhaust rain cap (See NOTES 1 and 3)
	276 250 R91	ATTACHMENT, exhaust muffler (see NOTES 1 and 3)
1	281 424 R91	CAP, exhaust rain (not used with units equipped with exhaust muffler)
2	313 847 R91	MUFFLER, exhaust (T6965) (Part of ATTACHMENT, 276 250 R91)
3	31 790 DA	CLAMP, exhaust muffler (part of ATTACHMENT, 276 250 R91) NUT, 3/8" SCREW, 3/8 x 1-1/4" hex hd cap WASHER, 3/8" lock

(*) - Attachment No Longer Available Service Parts Will be Furnished

NOTE 1 - Factory Application Order On Machine Order Form

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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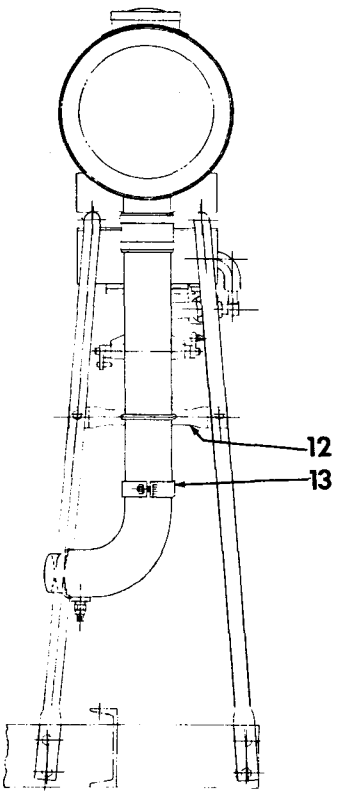
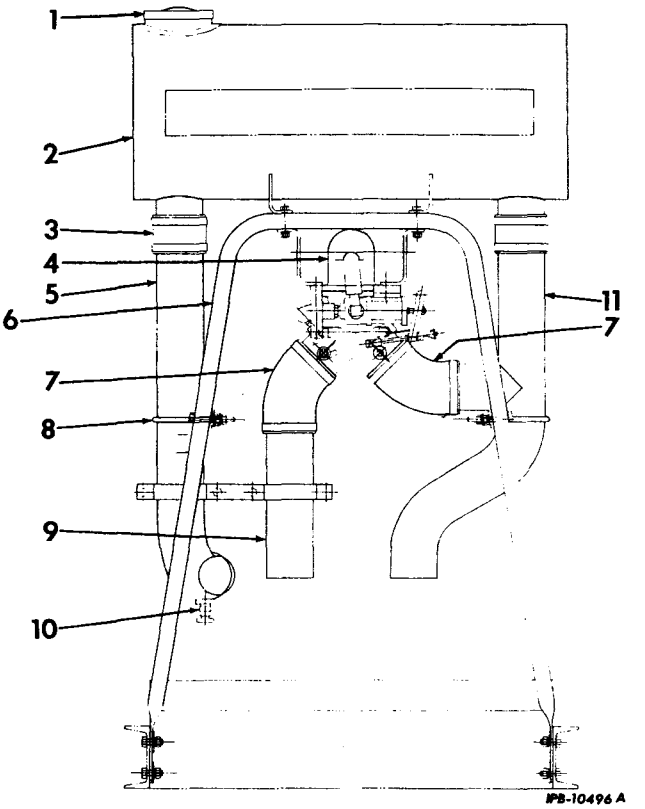
EXPANSION TANK AND CONNECTIONS



EXPANSION TANK AND CONNECTIONS - Continued



REF. NO.	PART NUMBER	DESCRIPTION
	312 181 R91	ATTACHMENT, expansion tank and connections (For use with flo-matic valve attachment and engine support attachment) (See NOTES 1 and 3)
1	317 654 R91	CAP, tank filler
2	316 029 R93	TANK w/PLUG, 103 874, water expansion NUT, 5/16" (4) SCREW, 5/16 x 1-3/4" hex hd cap (4) WASHER, 5/16" lock
	103 874	PLUG, 1/2" pipe
3	346 611 R1	HOSE, 3"ID x 2-1/2" long inlet and outlet tube connectro (*) (2)
	279 029 R91	CLAMP, hose (4)
4		VALVE, flo-matic (Not Furnished as part of "Expansion Tank and Connections Attachments") (for components see list of parts under details of "Flo-Matic Valve")
5	316 040 R11	TUBE, water outlet
6	316 035 R1	SUPPORT, expansion tank (2) NUT, 3/8" (8) SCREW, 3/8 x 1" Hex hd cap (8) WASHER, 3/8" lock (8) WASHER, 7/16" lock (8)
7	316 058 R2	ELBOW, by-pass valve body (2)
	279 029 R91	CLAMP, hose (5)
8	316 039 R1	"U" BOLT, water tube (2) NUT, 5/16" (6) WASHER, 5/16" lock (4) WASHER, 11/32 x 11/16" x No. 16 ga. (4)
9	316 059 R1	TUBE, water return
10	31 729 D	VALVE, drain
11	316 037 R11	TUBE, water inlet
12	316 036 R1	SUPPORT, tube (2) NUT, 5/16" (4) SCREW, 5/16 x 1-3/4" hex hd cap (4) WASHER, 5/16" lock (4) WASHER, 11/32 x 11/16" x No. 16 ga. (4)
13	316 060 R1	SUPPORT, water return tube (2) NUT, 5/16" (4) SCREW, 5/16 x 1" hex hd cap (4) WASHER, 5/16" lock (4)
	332 182 R1	ELBOW, engine water outlet
	332 183 R1	ELBOW, engine water inlet
	279 026 R91	CLAMP, hose (3)

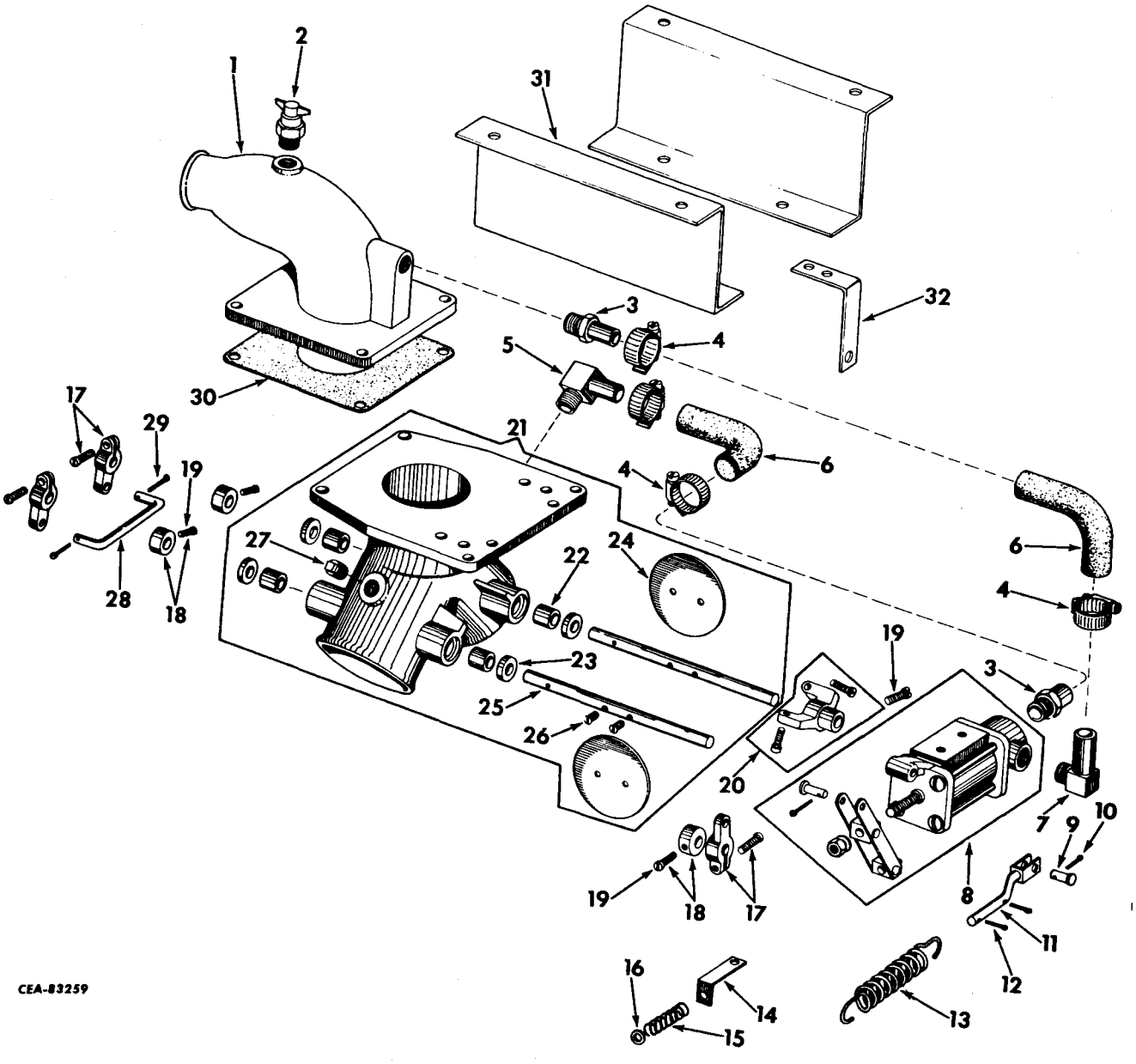
NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

* - Make from Bulk Stock. Bulk Stock Furnished In 3 Foot Lengths. Part No. Is for 1 Foot of Hose Only.

FLO-MATIC VALVE

FLO-MATIC VALVE - Continued



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REF. NO.	PART NUMBER	DESCRIPTION
FLO-MATIC VALVE - Continued		
	332 184 R91	ATTACHMENT, flo-matic valve (see NOTES 1 and 3)
1	316 253 R2	INLET, flo-matic valve
2	31 729 D	VALVE, 3/8" vent
3	171 819 R1	NIPPLE, 5/8 x 3/8" hose (2)
4	274 085 R91	CLAMP, hose (4)
5	171 807 R1	ELBOW, 5/8 x 3/8" x 90° hose (short)
6	169 192 R1	ELBOW, 90° x 5/8" rubber hose (2)
7	120 879 R1	ELBOW, 5/8 x 3/8" x 90° hose (long)
8	346 637 R91	CONTROL, vernatherm SCREW, 1/4 x 5/8" hex hd cap (2) WASHER, 1/4" lock (2)
9	102 776 H	PIN, rod end
10	107 761	PIN, 1/16 x 3/4" cotter
11	316 063 R11	ROD w/CLEVIS, overtravel
12	103 373	PIN, 3/32 x 3/4" cotter (2)
13	61 635 D	SPRING, return
14	316 065 R1	CLIP, return spring
15	300 415 R1	SPRING, overtravel
16		WASHER, 9/32 x 5/8" x 16 ga. (2)
17	317 554 R91	LEVER ASSY, throttle shaft (3)
18	268 296 R91	COLLAR w/SCREW, 36 756 D, throttle shaft (3)
19	36 756 D	SCREW, set (4)
20	332 488 R91	STOP w/two SCREW, 11 189 V, throttle shaft
	11 189 V	SCREW, throttle stop adjusting (2)
21	316 046 R42	BODY ASSY, flo-matic valve (composed of - § 1 BODY 4 BUSHING 347 001 R1 § 2 DISC 2 SHAFT 612 179 C1 4 SCREW 4 WASHER)
22	347 001 R1	BUSHING, throttle shaft (4)
23	321 881 R91	SEAL, water (4)
24		DISC, throttle (Not Furnished Separately)
25	612 179 C1	SHAFT, flo-matic valve (2)
26		SCREW, No. 6 x 7/16" slt. fil hd (4) WASHER, No. 6 lock (4)
27	445 686	PLUG, 3/8" sq hd pipe
28	316 049 R1	LINK, throttle shaft lever
29	103 373	PIN, 3/32 x 3/4" cotter (2) WASHER, 9/32 x 5/8" x 16 ga. (2)
30	316 048 R1	GASKET, flo-matic valve

REF. NO.	PART NUMBER	DESCRIPTION
FLO-MATIC VALVE - Continued		
31	323 847 R1	SUPPORT, flo-matic valve (2) NUT, 5/16" (4) SCREW, 5/16 x 1-1/2" hex hd cap SCREW, 5/16 x 1-1/4" hex hd cap (3) WASHER, 5/16" lock (4)
32	323 850 R1	BRACKET, return spring NUT, 5/16" SCREW, 5/16 x 7/8" hex hd cap WASHER, 5/16" lock
	323 849 R92	VALVE ASSY, flo-matic (Composed of - 1 BODY 316 046 R42 1 BRACKET 323 850 R1 2 CLAMP 274 085 R91 1 CLIP 316 065 R1 3 COLLAR 268 296 R91 1 CONTROL 346 637 R91 1 ELBOW 169 192 R1 1 ELBOW 171 807 R1 3 LEVER 317 554 R91 1 LINK 316 049 R1 2 NIPPLE 171 819 R1 1 PIN 102 776 H 4 PIN 103 373 1 PIN 107 761 1 PLUG 103 879 1 ROD 316 063 R11 1 SCREW 36 756 D 4 SEAL 321 881 R91 1 SPRING 61 635 D 1 SPRING 300 415 R1 1 STOP 332 488 R91)

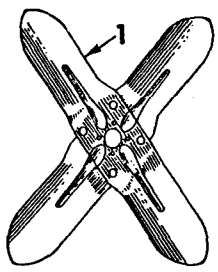
§ - Not Furnished Separately

NOTE 1 - Factory Application - Order On Machine Order Form.

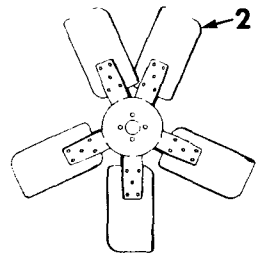
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ATTACHMENTS

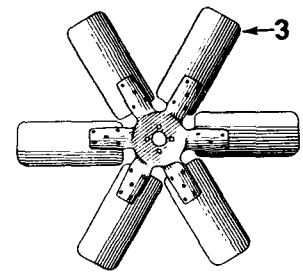
FAN



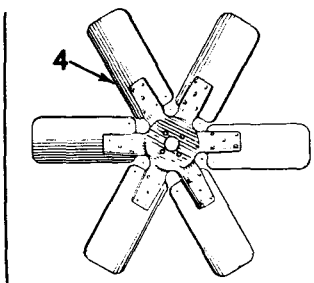
Suction Fan Standard



Suction Fan Tropical



Blower Fan



Suction Fan

IPA-56287B

REF. NO.	PART NUMBER	DESCRIPTION
A		Service parts for suction fan (standard cooling - 1800 to 2400 rpm)
B	304 576 R91	ATTACHMENT, suction fan (tropical increased cooling - 1800 to 2400 rpm) (order 320 165 R91)
C	304 549 R93	ATTACHMENT, blower fan (18-1/2" dia. 6 blade w/1.00" spacer) (see NOTES 1 and 3)
D	316 168 R91	ATTACHMENT, blower fan (18" dia. 6 blade w/1.00" spacer) (for use with 48 H.P. flexible coupling ATTACHMENT, 318 004 R91)(see NOTES 1 and 3)
E	316 170 R91	ATTACHMENT, suction fan (18" dia. 6 blade w/1.62" spacer)(for use with 48 H.P. flexible coupling ATTACHMENTS, 318 004 R91) (see NOTES 1 and 3)
F	320 165 R91	ATTACHMENT, suction fan (18-1/2" dia. 6 blade w/1.38" spacer) (will work for 304 576 R91) (see NOTES 1 and 3)
G	320 166 R91	ATTACHMENT, suction fan (18-1/2" dia. 6 blade w/1.62" spacer) (for use with auxiliary drive pulley ATTACHMENT, 318 001 R91, 318 002 R91, 318 003 R91 and flexible coupling ATTACHMENT, 318 005 R91) (see NOTES 1 and 3)
H	323 768 R91	ATTACHMENT, blower fan (18-1/2" dia. 6 blade w/1.31" spacer) (for use with auxiliary drive pulley ATTACHMENTS, 318 001 R91, 318 002 R91 or 318 003 R91) (see NOTES 1 and 3)
1	86 898 R91	FAN, suction (standard) (18-1/2" dia. 4 blades) (optional with 82 796 R91) (Unit A)
1	82 796 R91	FAN, suction (standard) (18-1/2" dia. 4 blades) (optional with 86 898 R91) (Unit A) SCREW, 1/4 x 2-1/8" Hex hd cap (4) WASHER, 1/4" lock (4)
2	267 450 R91	FAN, suction (tropical) (18-1/2" dia. 5 blades) (optional with 371 633 R91) (Unit B)

FAN - Continued

REF. NO.	PART NUMBER	DESCRIPTION
2	371 633 R91	FAN, suction (tropical) (18-1/2" dia. 5 blades) (optional with 267 450 R91) (Unit B) SCREW, 1/4 x 2-1/8" hex hd cap (4) WASHER, 1/4" lock (4)
3	306 355 R91	FAN, blower (18-1/2" dia. 6 blades) (Units C and H)
3	317 720 R91	FAN, blower (18" dia. 6 blades) (Unit D) SCREW, 1/4NF x 1-5/8" Hex hd cap (4 for Unit D) SCREW, 1/4NF x 2" hex hd cap (4 for Unit H) SCREW, 1/4NF x 2-1/4" Hex hd cap (4 for Unit C) WASHER, 1/4" lock (4)
4	317 719 R91	FAN, suction (18" dia. 6 blades) (Unit E) SCREW, 1/4 x 2-1/4" hex hd cap (4) WASHER, 1/4" lock (4)
4	321 565 R91	FAN, suction (18 -1/2" dia. 6 blades) (Units F and G) SCREW, 1/4NF x 2-1/4" hex hd cap (4 for Unit F) SCREW, 1/4NF x 2-1/2" hex hd cap (4 for Unit G) WASHER, 1/4" lock (4)
	316 169 R1	SPACER, fan (1.00") (Units C and D)
	574 100 R1	SPACER, fan (1.31") (Unit H)
	304 575 R1	SPACER, fan (1.38") (Units B and F)
	318 008 R1	SPACER, fan (1.62") (Units E and G)

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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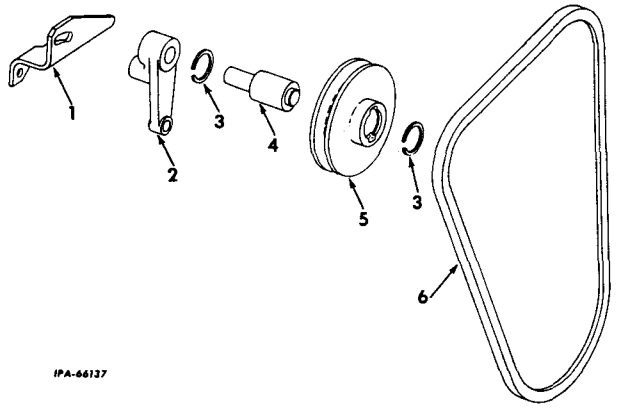
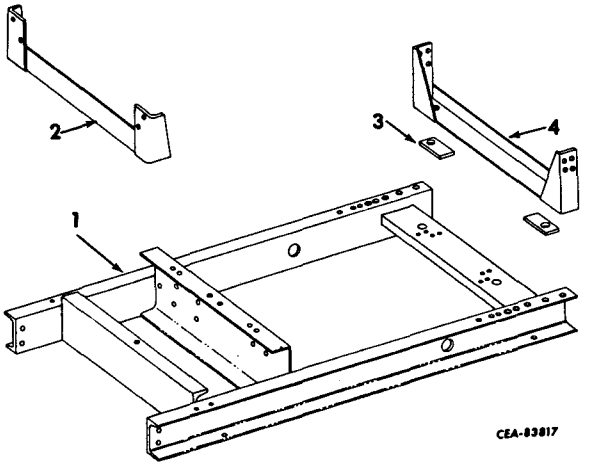
FAN BELT IDLER
(Not used with Generator)



REF. NO.	PART NUMBER	DESCRIPTION
	312 959 R91	ATTACHMENT, fan belt idler (see NOTES 1 and 3)
1	312 056 R1	SUPPORT, idler pulley adjusting arm WASHER, 13/32 x 13/16 x 1/16" ga. (2)
2	312 055 R1	ARM, idler pulley adjusting SCREW, 3/8 x 1" hex hd cap SCREW, 5/16 x 1" hex hd cap WASHER, 13/32 x 13/16 x 1/16" ga. WASHER, 3/8" lock WASHER, 5/16" lock
3	133 502 R1	RING, snap
4	ST 633	BEARING, idler pulley shaft
5	312 054 R1	PULLEY, idler
6	305 177 R1	BELT, water pump and generator fan

ENGINE SUPPORT
(Box Type Base)

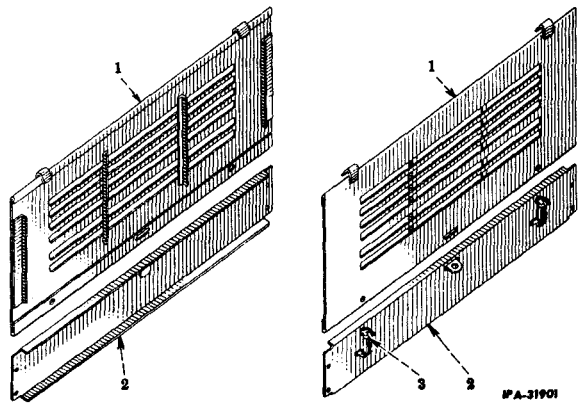


REF. NO.	PART NUMBER	DESCRIPTION
	332 190 R91	ATTACHMENT, engine support (for use with expansion tank and connections) (not used on gasoline and gasoline high altitude engines equipped with hydraulic pump) (see NOTES 1 and 3)
1	320 015 R93	BASE, box type
2	332 191 R11	SUPPORT, front NUT, 1/2" (2) NUT, 5/8" (4) SCREW, 5/8 x 4-1/2" hex hd cap (4) SCREW, 1/2 x 1-3/4" hex hd cap (2) WASHER, 1/2" lock (2) WASHER, 5/8" lock (4)
3	332 180 R1	SPACER, rear support (2) NUT, 3/4" (2) SCREW, 3/4 x 2-1/4" hex hd cap (2) WASHER, 3/4" lock (2)
4	304 543 R11	SUPPORT, rear SCREW, 1/2 x 1" hex hd cap (8) WASHER, 1/2" lock (8)

NOTE 1 - Factory Application - Order On Machine Order Form.

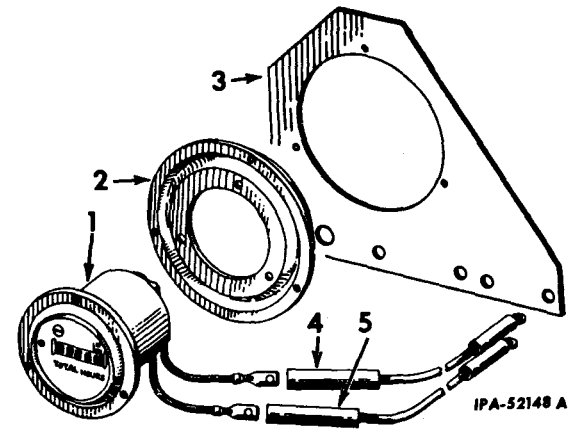
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

HOOD SIDE DOOR



REF. NO.	PART NUMBER	DESCRIPTION
	268 277 R91	ATTACHMENT, hood side doors (see NOTES 1 and 3)
1	268 228 R11	DOOR, hood side (2)
2	268 230 R11	SHEET, hood side (2) NUT, 3/8" (8) SCREW, 3/8 x 3/4" hex hd cap (8) WASHER, 3/8" lock
3	353 443 R91	LATCH, hood side door (4) RIVET, 3/16 x 5/16" f-hd. (8)

HOURMETER



REF. NO.	PART NUMBER	DESCRIPTION
A	305 202 R91	ATTACHMENT, hourmeter (for units equipped with dash) (+)
B	305 203 R91	ATTACHMENT, hourmeter (for units not equipped with dash) (+)
C	349 136 R91	ATTACHMENT, hourmeter (for use with instrument and panel ATTACHMENTS, 349 132 R91 and 349 133 R91) (See NOTES 1 and 3)
1	621 657 C91	HOURMETER, SCREW, No. 6 x 5/16" slt rd. hd mach. (3) WASHER, No. 6 lock (3)
2	264 674 R91	DAMPER, hourmeter vibration (Attachments A and B) SCREW, No. 6 x 1/2" slt rd hd mach (3) WASHER, No. 6 lock (3)
3	305 201 R1	PLATE, hourmeter mtg. (Attachment B) NUT, 3/8" SCREW, 3/8 x 1" hex hd cap WASHER, 3/8" lock
4	305 199 R91	CABLE, hourmeter to ignition switch (Attachments A and B)
4	271 066 R92	CABLE, hourmeter (Attachment C)
5	267 807 R91	CABLE, hourmeter to ground screw 3/8" internal tooth loc WASHER, 3/8" internal-tooth lock (Attachments A and B)

(+) Attachments No Longer Available. Service Parts Only Will Be Furnished.

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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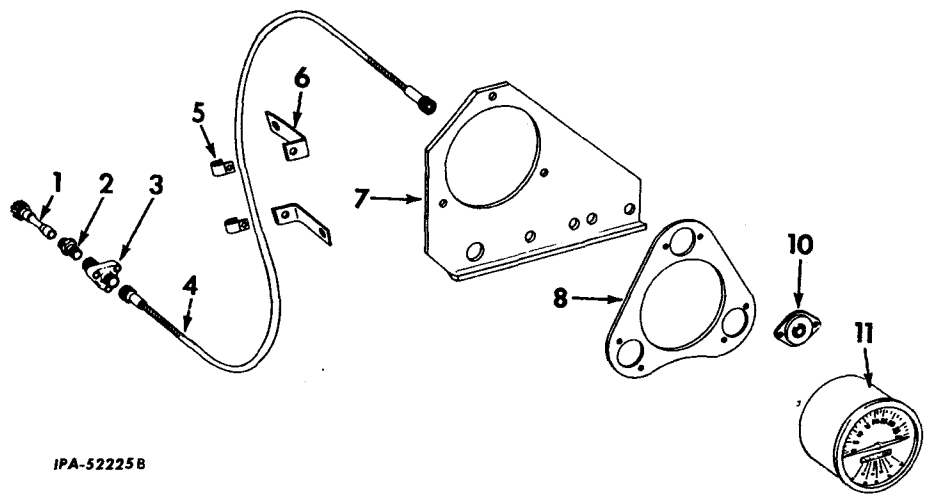
TACHOMETER AND TACHOURMETER



IPA-52225B

REF. NO.	PART NUMBER	DESCRIPTION
A	306 686 R91	ATTACHMENT, tachometer (mechanical) (for units equipped with dash) (order 349 134 R92) (+)
B	306 687 R91	ATTACHMENT, tachometer (mechanical) (for units not equipped with dash) (order 3)
C	349 134 R92	ATTACHMENT, tachourmeter (mechanical) (combination tachourmeter and service meter with correction factor dial) (for use with Novi mechanical governor and instrument and instrument panel ATTACHMENTS, 349 132 R91 and 349 133 R91) (see NOTES 1 and 3)
1	368 245 R12	GEAR, tachometer or tachourmeter drive
2	368 246 R1	HOUSING, tachometer or tachourmeter connection
3	63 364 H	ADAPTER, box type (1.440 ratio)
4	306 394 R91	CABLE, tachometer or tachourmeter drive (optional with 306 398 R91)
4	306 398 R91	CABLE, tachometer or tachourmeter (optional with 306 394 R91)
5	73 163 H	CLIP, tachometer or tachourmeter drive cable NUT, 1/4" SCREW, 1/4 x 1/2" hex hd cap WASHER, 1/4" lock
6	56 787 R1	EXTENSION, tachometer or tachourmeter drive cable clip
7	328 637 R1	BRACKET, tachometer mounting plate (attachment B) NUT, 3/8" (2) SCREW, 3/8 x 1" hex hd cap (2) WASHER, 3/8" lock (2)

TACHOMETER AND TACHOURMETER - Continued

REF. NO.	PART NUMBER	DESCRIPTION
8	281 801 R11	PLATE w/three GROMMET, 281 802 R91, tachometer mtg. (Attachments A and B) NUT, No. 8 (3) SCREW, No. 8 x 1" slt rd. hd mach. (3) WASHER, No. 8 lock (3) WASHER, 11/64 x 13/32" x 18 ga. (6)
10	281 802 R91	GROMMET, tachometer mtg. (3 for attachments A and B) RIVET, 1/8 x 1/4" rd. hd solid (6)
11	338 595 R91	TACHOURMETER
	263 297 R2	CLAMP, tachometer or tachourmeter NUT, No. 10 (2) WASHER, No. 10 lock (2)

(+) - Attachment No Longer Available. Service Parts Only Will Be Furnished.

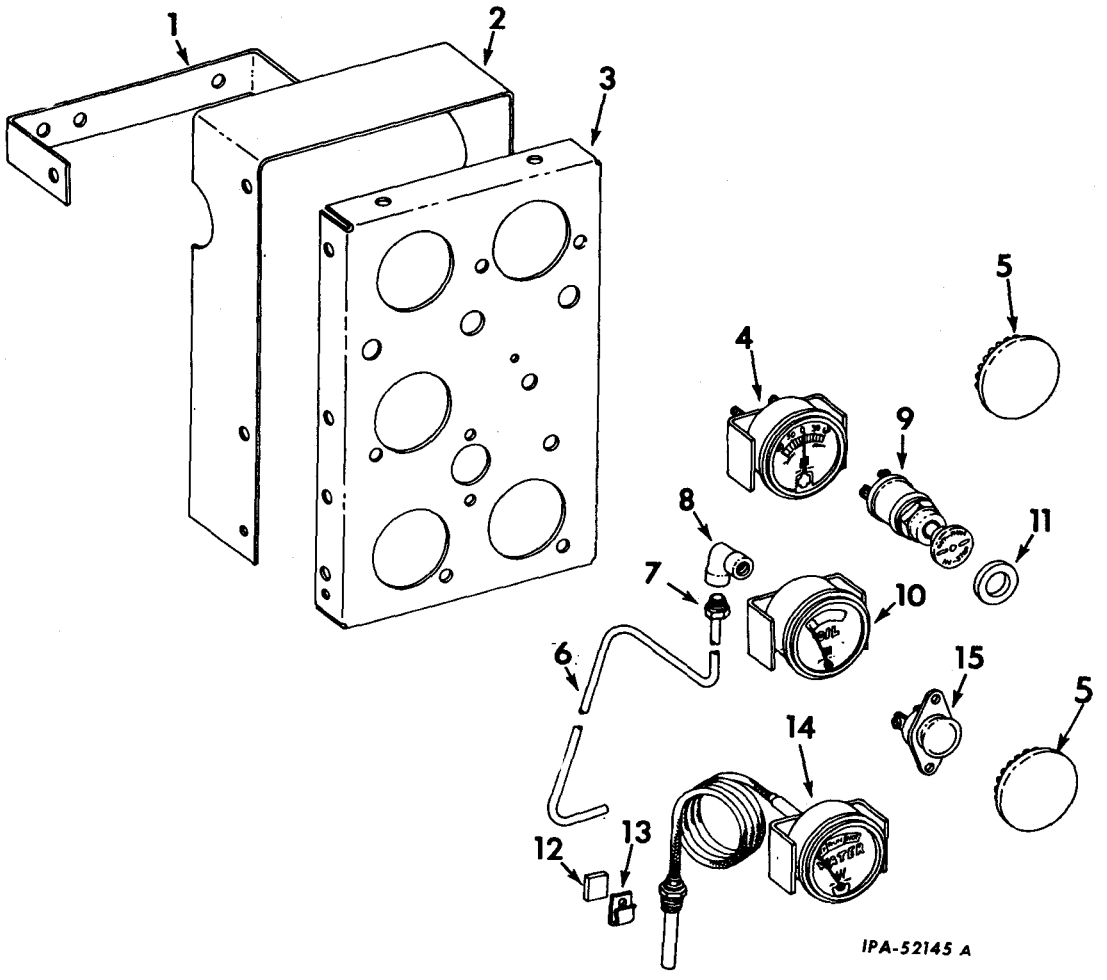
NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ATTACHMENTS

INSTRUMENTS AND PANEL
(Not used with units equipped with Automatic Safety Shut-Off) (For Sleeved Engines)

INSTRUMENT AND PANEL - Continued
(Not used with units equipped with Automatic Safety Shut-Off) (For Sleeved Engines)



REF. NO.	PART NUMBER	DESCRIPTION
A	305 191 R92	ATTACHMENT, instruments and pan panel (Battery Igntion) (for units not equipped with Hydraulic Pump) (+)
B	312 062 R91	ATTACHMENT, instruments and panel (Magneto Ignition) (for units equipped with cranking motor and generator) (+)
C	312 063 R91	ATTACHMENT, instruments and panel (Magneto Ignition) (for units not equipped with cranking motor and generator) (+)
D		Service parts for instruments and panel (Battery Ignition) (for units equipped with Hydraulic Pump)
1	304 585 R11	BRACKET, instrument panel mtg. (2) NUT, 3/8" (2) SCREW, 3/8 x 3/4" hex hd cap (4) WASHER, 3/8" lock (4)
2	304 586 R1	HOUSING, instrument panel
3	278 597 R2	PANEL, instrument SCREW, 1/4 x 1/2" rd hd (4) WASHER, 1/4" lock (4)
4	269 103 R91	AMMETER (also listed with "Electric Starting") (Units A, B and D)
5	432 577	PLUG, instrument panel button (2 for Units A, B and D) (3 for Unit C)
6	304 587 R1	TUBE, oil pressure indicator
7	369 987 R1	TUBE, oil pressure indicator
8	67 869 D	ELBOW, oil pressure indicator tube (in gauge)
9	62 801 DC	SWITCH, ignition (also listed with "Electric Starting") (Units A and D)
9	54 207 DB	SWITCH, ignition (magneto) (also listed with "Electric Starting") (Units B and C)
10	702 027 C1	GAUGE, oil pressure (Units A, B and C)
10	313 177 R91	INDICATOR, oil pressure (Unit D)

(+) - Attachment No Longer Available Service Parts Only Will Be Furnished

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REF. NO.	PART NUMBER	DESCRIPTION
		INSTRUMENT AND PANEL - Continued (Not used with units equipped with Automatic Safety Shut-Off) (For Sleeved Engines)
11	59 109 D	SPACER, ignition switch
12	26 242 D	FELT, heat indicator cable clip (Units B, C and D)
13	254 275 R1	CLIP, heat indicator cable (Units B, C and D) NUT, 3/8" SCREW 3/8 x 3/4" hex hd cap WASHER, 3/8" lock
14	273 602 R91	INDICATOR, heat (Units A, B and C)
14	702 219 C1	INDICATOR, heat (Unit D)
15	366 317 R93	SWITCH, starting (also listed with "Electric Starting") NUT, No. 10NF sq. SCREW, No. 10NF x 7/16" rd. hd. sltd. mach. WASHER, No. 10 lock (2)
	62 862 D	CABLE, ignition switch to magneto (also listed with "Electric Starting")
	264 164 R91	CLIP, cable harness (also listed with
	264 164 R91	CLIP, cable harness (also listed with "Electric Starting") (2)
	29 901 D	CONNECTOR, oil pressure indicator tube (in crankcase)
	305 192 R91	HARNESS, cable (Illustrated with "Electric Starting") (Unit A)
	312 061 R91	HARNESS, cable (Illustrated with "Electric Starting") (Unit B)
	316 160 R91	HARNESS, cable (Unit D)

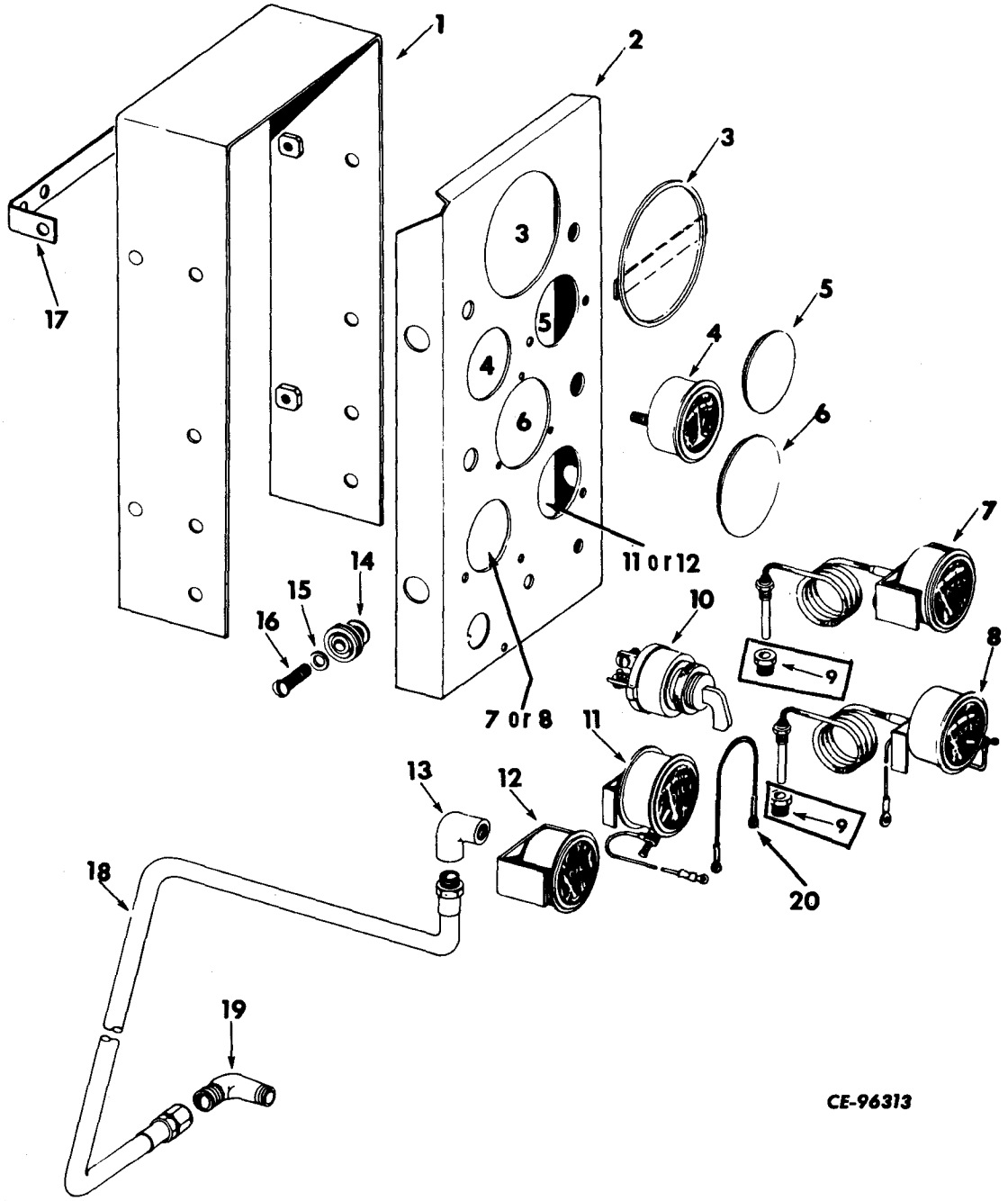
ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION

INSTRUMENTS, INSTRUMENT PANEL AND INSTRUMENT PANEL MOUNTING

REF. NO.	PART NUMBER	DESCRIPTION

INSTRUMENTS, INSTRUMENT PANEL AND INSTRUMENT PANEL MOUNTING - Continued



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REF. NO.	PART NUMBER	DESCRIPTION
		INSTRUMENTS, INSTRUMENT PANEL AND INSTRUMENT PANEL MOUNTING - Continued
A		Service parts for instruments and instrument panel (regular gauges) (for use on units equipped with instrument panel mtg, tachourmeter or hourmeter).
B		Service parts for instruments and instrument panel (safety gauges) (for use on units equipped with instrument panel mtg, tachourmeter or hourmeter).
C		Service parts for instrument panel mounting(for use with sleeved engines) equipped with instruments and instrument panel.
D		Service parts for instruments and instrument panel (for use w/sleeveless engines) (used on units equipped w/alternator instruments and instrument panel).
1	337 113 R11	FRAME, instrument panel (C)
	102 635	NUT, 3/8" (4)
	179 837	SCREW, 3/8 x 3/4" hex hd cap (4)
	103 321	WASHER, 3/8" lock (4)
2	337 354 R3	PANEL, instrument (A and B)
3	370 940 R11	COVER, tachometer opening (A and B) (not used with Tachourmeter attachment)
4	702 283 C91	AMMETER (A and B)
5	432 577	PLUG, 2-3/32" button (A and B)
6	432 582	PLUG, 2-1/4" button (A and B)
7	702 220 C91	INDICATOR, heat (A) (will work for 346 597 R91)
8	702 544 C1	INDICATOR, safety heat (B) (will work for 347 602 R91)
9	347 601 R1	ADAPTER, heat indicator (C) (for use w/heat INDICATOR, 346 597 R91 and 347 602 R91)
10	327 144 R91	SWITCH, ignition and starting (A and B)
11	347 604 R91	INDICATOR, safety oil pressure (B)
12	702 027 C1	GAUGE, engine oil pressure (A)
13	9 409 923	ELBOW, 1/8" x 90° (A and B)
14	336 419 R91	MOUNT, vibration (4 for A and B)
15	120 217	WASHER, No. 10 lock (4 for A and B)
16	127 651	SCREW, No. 10 x 3/4" rd. hd. mach. (4 for A and B)
17	337 112 R2	BRACKET, instrument panel (2 for Attachment C)
	102 635	NUT, 3/8" (4)
	179 837	SCREW, 3/8 x 3/4" hex hd cap(4)
	103 321	WASHER, 3/8" lock
18	346 592 R91	HOSE w/two FITTING, oil pressure indicator (HOSE, 19" ID x 17" long including FITTINGS (C)
19	118 753	ELBOW, 1/4" x 90° oil pressure hose (C)

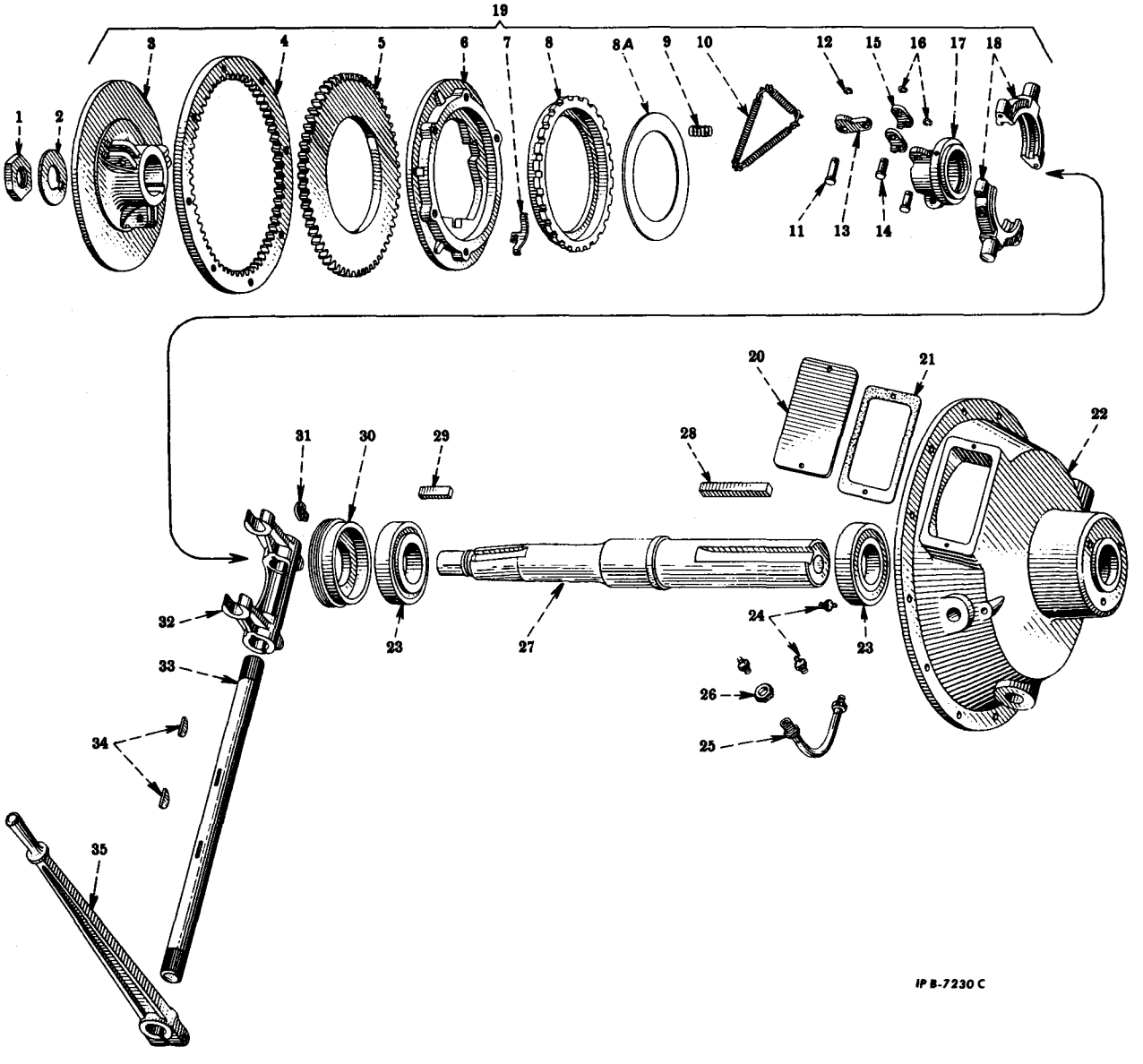
REF. NO.	PART NUMBER	DESCRIPTION
		INSTRUMENTS, INSTRUMENT PANEL AND INSTRUMENT PANEL MOUNTING - Continued
	42 915 D	BLOCK, juntion (B) (%)
	42 917 D	BLOCK,w/BLOCK, 42 915D and BRACKET, 42 916 D, junction (optional with 352 110 R91) (B) (%)
	352 110 R91	BLOCK w/BLOCK, 42 915 D and BRACKET, 42 916 D, junction (optional with 42 917 D) (B) (%)
	120 622	NUT, No. 8 (cd or zn-pltd)
	102 635	NUT, 3/8"
	179 833	SCREW, 3/8 x 1/2" hex hd cap
	138 530	WASHER, No. 8 int. tooth lock
	103 321	WASHER, 3/8" lock
	42 916 D	BRACKET, junction block (B) (%)
	110 633	NUT, No. 10
	110 500	SCREW, No. 10 x 1/2" slt hd. mach.
	106 797	WASHER, No. 10 lock
	63 713 DA	CABLE, relay to ignition switch (B) (%)
	274 747 R91	CABLE, safety control to junction block (B) (%)
	670 382 C91	CABLE, ground (part of (B)
	274 747 R91	CABLE, relay to safety control switch (B) (%)
	264 164 R1	CLIP, regulator cable (3) (D)
	327 071 R1	CLIP, capillary tube (D)
	263 308 R1	CLIP, cranking motor cable harness
	362 120 R1	CLIP, cranking motor cable harness (D)
	370 535 R1	CLIP, ignition cable (C)
	187 954	GROMMET, oil press hose (D)
	349 128 R91	HARNESS, cranking motor cable (C) (*) and (D)
	349 129 R91	HARNESS, ignition cable (C) (*)
	601 269 C92	HARNESS, alternate cable (part of (D)
	349 130 R91	HARNESS, regulator cable (C) (*)
2	752 445 R1	PRODUCT GRAPHIC, safety control switch escutcheon (B)
	678 132 C91	RELAY, ignition coutout (for use w/Battery Ignition only) (%)
	603 884 C91	SWITCH, safety control toggle (optional with 253 818 R91) (B) (%)
	253 818 R91	SWITCH, safety control toggle (optional with 603 884 C91) (B) (%)

% - Also listed and Illustrated with "Electric Wiring (Safety Gauges)".

* - Also Listed and Illustrated with "Electric Wiring (Regular Gauges)."

POWER TAKE-OFF
(Rockford)
(UC-221 Regular Duty) (Uc-263 Light Duty)

POWER TAKE-OFF - Continued
(Rockford)
(UC-221 Regular Duty) (UC-263 Light Duty)



REF. NO.	PART NUMBER	DESCRIPTION
	273 017 R91	ATTACHMENT, power take-off, 319 503 R91 w/BEARING, 305 861 R91 (UC-221 regular duty) (UC-263 light duty) (with 10" single plate over-center drive ring type clutch) (See NOTES 1 and 3)
1	273 231 R1	NUT, hex
2	273 230 R1	WASHER, lock
3	273 233 R1	BODY, clutch
4	255 663 R1	RING, driving
5	266 682 R1	FACING, clutch
6	268 958 R91	PLATE w/LOCK, 268 869 R1, pressure
7	268 869 R1	LOCK, adjusting
8	347 871 R1	NUT, adjusting
8A	347 872 R1	PLATE, adjusting ring
9	266 704 R1	SPRING, separator (3)
10	268 865 R91	SPRING, lever

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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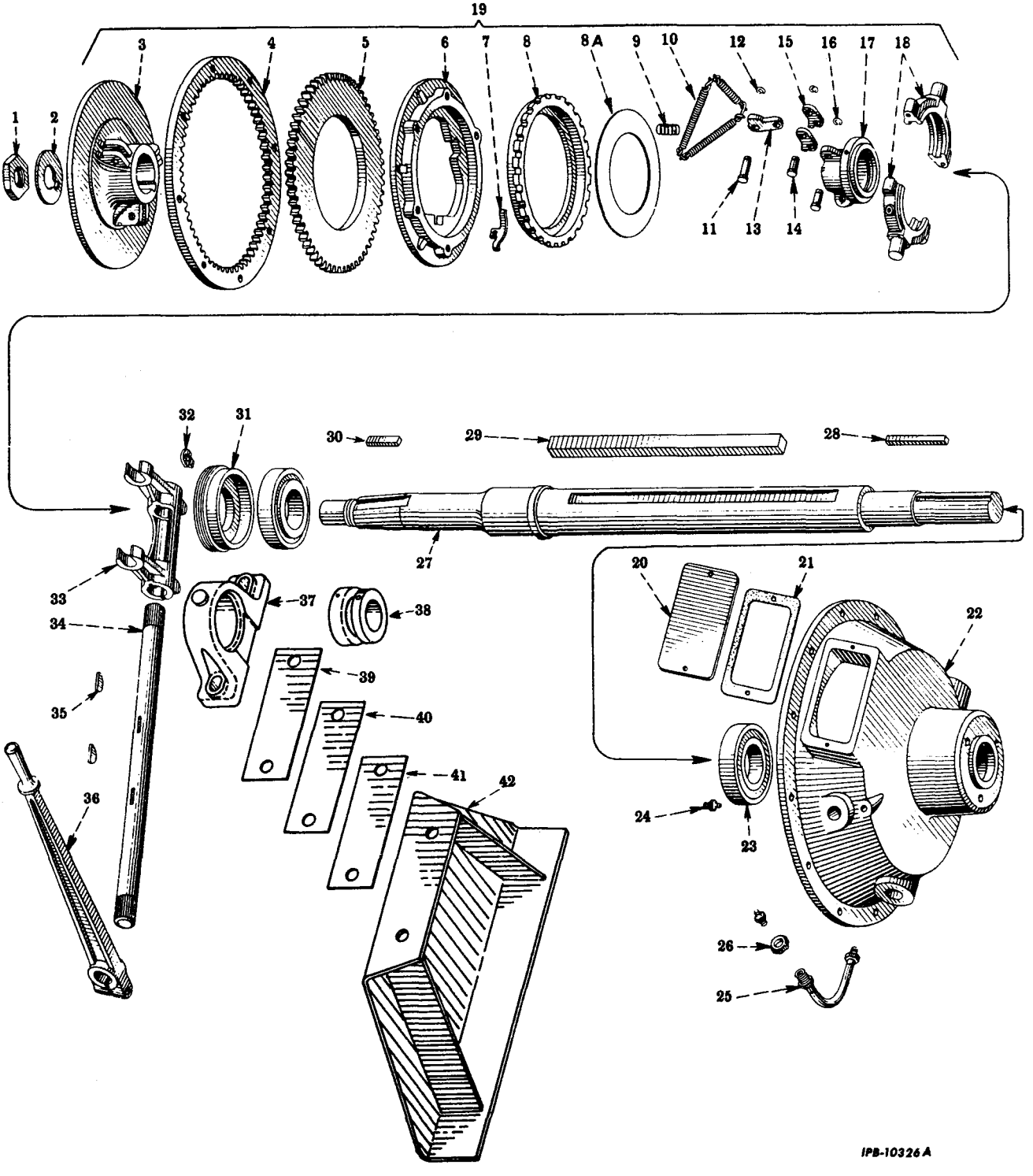
REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF - Continued (Rockford) (UC-221 Regular Duty) (UC-263 Light Duty)
11	266 697 R1	PIN, clevis (6)
12	266 698 R1	RING, retaining (6)
13	268 866 R1	LEVER (3)
14	266 694 R1	PIN, clevis (3)
15	266 696 R1	LINK, connecting (6)
16	255 395 R1	RING, retaining (3)
17	273 235 R1	SLEEVE, release
18	273 236 R91	BEARING, w/two NUT, 258 370 R1 and PLUG, 103 883, release
19	273 232 R91	CLUTCH ASSY, 10" (Composed of - 1 BODY 273 233 R1; 1 FACING 266 682 R1; 3 LEVER 268 866 R1; 1 LOCK 319 531 R1; 6 LINK 266 696 R1; 1 NUT 347 871 R1; 3 PIN 266 694 R1; 6 PIN 266 697 R1; 1 PLATE 268 958 R91; 1 PLATE 347 872 R1; 3 RING 255 395 R1; 1 RING 255 663 R1; 6 RING 266 698 R1; 1 SCREW 19 559 R1; 1 SLEEVE w/ BEARING 273 234 R91; 3 SPRING 266 704 R91; 1 SPRING 268 865 R91)
20	321 481 R1	PLATE, instruction
21	266 656 R1	GASKET, cover
22	273 238 R1	HOUSING, clutch
23	13 396 DC	CONE, tapered roller bearing (2)
23	13 390 D	CUP, tapered roller bearing (2)
24	109 461	FITTING, 1/8" plug pipe (3)
25	266 667 R91	TUBE, flexible
26		NUT, 5/8"NF
27	319 536 R1 103 883	SHAFT, drive PLUG, 1/8" pipe
28	266 668 R1	KEY
29	266 678 R1	KEY
30	266 660 R1	RETAINER, bearing
31	266 661 R1	PLATE, lock
32	266 665 R91	YOKE, clutch
33	266 662 R1	SHAFT, yoke
34	124 553	KEY, (Woodruff, No. 15) (2)
35	266 666 R91	LEVER, shifting
	305 861 R91	BEARING, clutch pilot (optional with 338 543 R91)

REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF - Continued (Rockford) (UC-221 Regular Duty) (UC-263 Light Duty)
	338 543 R91	BEARING, clutch pilot (option with 305 861 R91)
	273 255	FITTING, lubrication (2)
	258 370 R1	NUT, 5/16"NF elastic stop
	319 531 R1	LOCK, positive
	319 503 R91	POWER TAKE-OFF w/10" over-center clutch assembly (will work for 273 015 R91) (Composed of - 1 CLUTCH 273 232 R91; 2 CONE 13 396 DC; 2 CUP 13 390 D; 3 FITTING 109 461; 2 FITTING 273 255; 1 GASKET 266 656 R1; 1 HOUSING 273 238 R1; 2 KEY 124 553; 1 KEY 266 668 R1; 1 KEY 266 678 R1; 1 LEVER 266 666 R91; 1 NUT 273 231 R1; 1 PLATE 266 661 R1; 1 PLATE 321 481 R1; 1 RETAINER 266 660 R1; 1 SHAFT 266 662 R1; 1 SHAFT 319 536 R1; 1 TUBE 266 667 R91; 1 WASHER 273 230 R1; 1 YOKE 266 665 R91)
		SCREW, 3/8 x 1-1/8" hex hd.cap (12)
		SCREW, 3/8 x 1-1/2" hex hd. cap (8)
		WASHER, 3/8" lock (20)
	103 883	PLUG, 1/8" slt hd pipe
		SCREW, 1/4 x 3/8" rd hd mach (2)
		SCREW, 1/4 x 3/8" fil hd.
		SCREW, 3/8 x 1-1/4" hex hd cap (2)
		SCREW, 5/16 x 1/2" hex hd cap
		SCREW, 1/2 x 1-3/4" hex hd cap
		SCREW, 5/16NF x 1-3/4" hex hd cap (2)
		SCREW, 5/16 x 1/4" f-pt. set
	19 559 R1	SCREW, 1/4 x 3/8" hex hd cap
	273 234 R91	SLEEVE, 273 235 R1, w/release BEARING, 273 236 R91
		WASHER, 5/16" lock
		WASHER, 3/8" lock (2)
		WASHER, 1/2" lock
		WASHER, 1/4" (Shakeproof)

POWER TAKE-OFF WITH EXTENDED SHAFT (Rockford)

POWER TAKE-OFF WITH EXTENDED SHAFT - Continued (Rockford)



REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF WITH EXTENDED SHAFT - Continued (Rockford)
	304 535 R91	ATTACHMENT, pwer take-off w/ extended shaft (11-1/2" overcenter drive ring type clutch)(See NOTES 1 and 3) (Composed of - 1 BEARING 305 861 R91 1 BLOCK 304 485 R91 1 BRACKET 304 573 R11 1 POWER TAKE-OFF 319 519 R91 1 SPACER 265 636 R1 1 SHIM 304 539 R1 1 SHIM 304 540 R1 1 SHIM 304 541 R1)
1	266 681 R1	NUT, drive shaft
2	273 212 R1	WASHER, drive shaft lock
3	273 214 R1	BODY, clutch
4	267 065 R1	RING, driving
5	338 903 R1	FACING, clutch
6	268 861 R91	PLATE w/LOCK, 319 531 R1, pressure
7	319 531 R1	LOCK, positive
8	347 871 R1	NUT, adjusting
8A	347 872 R1	PLATE, adjusting ring
9	266 704 R1	SPRING, separator (3)
10	268 865 R91	SPRING, lever
11	266 697 R1	PIN, clevis
12	266 698 R1	RING, retaining (6)
13	268 866 R1	LEVER (3)
14	266 694 R1	PIN, clevis (3)
15	266 696 R1	LINK, connecting (6)
16	255 395 R1	RING, retaining (3)
17	273 217 R1	SLEEVE, release
17	273 216 R91	SLEEVE, 273 217 R1 w/BEARING 273 218 R91)
18	273 218 R91	BEARING w/two NUT, 19 503 R1 and one PLUG, 103 883, release
19	273 215 R91	CLUTCH ASSY. (11-1/2") (composed of - 1 BODY 273 214 R1 1 FACING 338 903 R1 3 LEVER 268 866 R1 6 LINK 266 696 R1 1 NUT 347 871 R1 3 PIN 266 694 R1 6 PIN 266 697 R1 1 PLATE 268 861 R91 1 PLATE 347 872 R1 3 RING 255 395 R1 6 RING 266 698 R1 1 RING 267 065 R1 1 SLEEVE w/ BEARING 273 216 R91 3 SPRING 266 704 R1 1 SPRING 268 865 R91)

REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF WITH EXTENDED SHAFT - Continued (Rockford)
20	321 481 R1	PLATE, instruction
21	266 656 R1	GASKET, cover
22	273 240 R1	HOUSING, clutch
23	13 396 DC	CONE, tapered roller bearing (2)
23	13 390 D	CUP, tapered roller bearing (2)
24	109 461	FITTING, lubrication (3)
25	266 667 R91	TUBE, flexible
26		NUT, 5/8"NF
27	273 209 R1	SHAFT, drive
28	268 864 R1	KEY, 3/8 x 3/8 x 3-1/2"
29	268 863 R1	KEY, 5/8 x 5/8 x 11-1/2"
30	273 211 R1	KEY, 3/8 x 3/8 x 2-1/4"
31	266 660 R1	RETAINER, bearing
32	266 661 R1	PLATE, lock
33	273 210 R91	YOKE, clutch
34	266 663 R1	SHAFT, yoke
35	124 553	KEY (2)
36	266 666 R91	LEVER, shifting
37	304 485 R91	BLOCK w/BEARING, 305 166 R91 and FITTING, 109 461, outboard bearing pillow (optional with 304 486 R91)
37	304 486 R91	BLOCK w/BEARING, 305 167 R91, outboard bearing pillow (optional with 304 485 R91) NUT, 1/2" (2) SCREW, 1/2 x 2" hex hd cap (2) WASHER, 1/2" lock (2) WASHER, 17/32 x 1-11/16" x 13 ga. (2)
38	305 166 R91	BEARING w/locking COLLAR
38	305 167 R91	BEARING w/locking COLLAR
39	304 539 R1	SHIM, outboard bearing (heavy)
40	304 540 R1	SHIM, outboard bearing (med.) (2)
41	304 541 R1	SHIM, outboard bearing (light) (x)
42	304 537 R11	BRACKET, outboard bearing
	305 861 R91	BEARING, clutch pilot (optional with 338 543 R91)

NOTE 1 - Factory Application - Order On machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

x - Four or More As Required

REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF WITH EXTENDED SHAFT - Continued (Rockford)
	338 543 R91	BEARING, clutch pilot (optional with 305 861 R91)
	273 355	FITTING, hydraulic lubricator (1/4" drive type) (2)
	19 503 R1	NUT, 5/16"NF elastic stop (2)
	319 519 R91	POWER TAKE-OFF w/extended SHAFT ASSY. (will work for 304 493 R91) (Composed of 1 CLUTCH 273 215 R91 2 CONE 13 396 DC 2 CUP 13 390 D 3 FITTING 109 461 2 FITTING 273 355 1 GASKET 266 656 R1 1 HOUSING 273 240 R1 1 KEY 268 863 R1 2 KEY 124 553 1 KEY 268 864 R1 1 KEY 273 211 R1 1 LEVER 266 666 R91 1 NUT 266 681 R1 1 PLATE 321 481 R1 1 PLATE 266 661 R1 1 RETAINER 266 660 R1 1 SHAFT 273 209 R1 1 SHAFT 266 663 R1 1 TUBE 266 667 R91 1 WASHER 273 212 R1 1 YOKE 273 210 R91) SCREW, 3/8 x 1-1/8" hex hd cap (12) SCREW, 3/8 x 1-1/2" hex hd cap (8) WASHER, 3/8" lock (20)
103	103 883	PLUG, 1/8" slt hd slt pipe (release bearing)
		SCREW, 5/16NF x 2" hex hd cap (release bearing) (2)
		SCREW, 3/8 x 1-1/4" hex hd cap (clutch yoke) (2)
		SCREW, 1/4 x 3/8" fil hd mach (pressure plate)
		SCREW, 5/16 x 1/4" fl pt set (clutch housing)
		SCREW, 1/4 x 3/8" rd hd mach (instruction plate) (2)
		SCREW, 5/16 x 1/2" hex hd cap (lock plate)
		SCREW, 3/8 x 1-1/2" hex hd cap (shifting lever)
	265 636 R1	SPACER, clutch pilot bearing
		WASHER, 3/8" lock (clutch yoke) (3)
		WASHER, 1/4" (Shakeproof) (pressure plate)
		WASHER, 5/16" lock (Lock plate)

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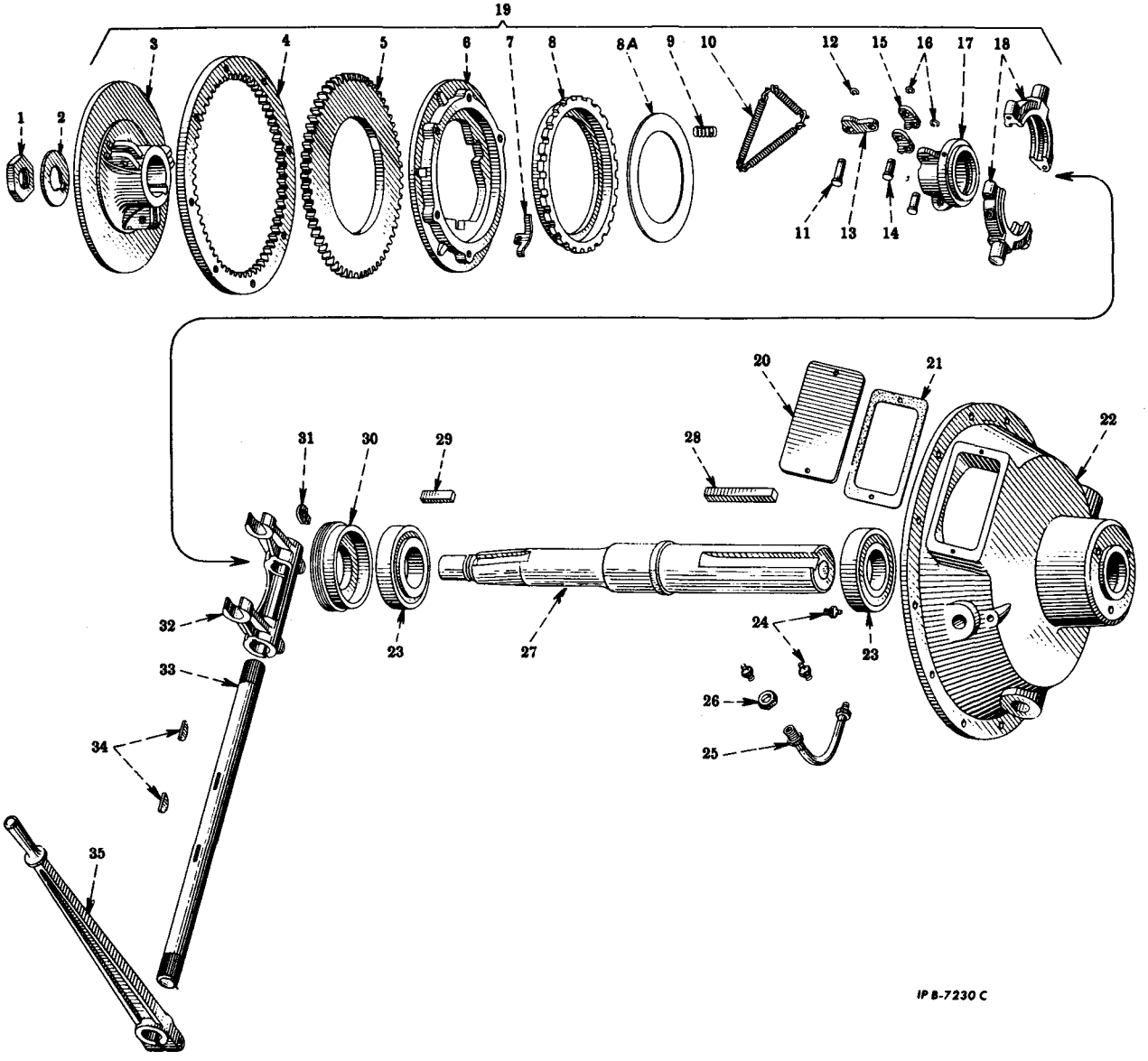
POWER TAKE-OFF
(Rockford)
(UC-263 Regular Duty)

POWER TAKE-OFF - Continued
(Rockford)
(UC-263 Regular Duty)



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REF. NO.	PART NUMBER	DESCRIPTION
	273 019 R92	ATTACHMENT, power take-off, 319 524 R91, w/BEARING, 305 305 861 R91 and SPACER, 265 265 636 R1 (UC-263 Regular duty) (with 11-1/2" single plate over-center drive ring type clutch operating at 2200 RPM or below) (See NOTES 1 and 3)
1	266 681 R1	NUT, 2-3/16-12 hex
2	273 212 R1	WASHER, lock
3	273 214 R1	BODY, clutch
4	267 065 R1	RING, driving
5	338 903 R1	FACING, clutch
6	268 861 R91	PLATE w/LOCK, 319 531 R1 pressure
7	319 531 R1	LOCK, positive
8	347 871 R1	NUT, adjusting
8A	347 872 R1	PLATE, adjusting ring
9	266 704 R1	SPRING, separator (3)

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF - Continued (Rockford) (UC-263 Regular Duty)
10	268 865 R91	SPRING, lever
11	266 697 R1	PIN, clevis (6)
12	266 698 R1	RING, retaining (6)
13	268 866 R1	LEVER (3)
14	266 694 R1	PIN, clevis (3)
15	266 696 R1	LINK, connecting (6)
16	255 395 R1	RING, retaining (3)
17	273 217 R1	SLEEVE, release
18	273 218 R91	BEARING, w/two NUT, 258 370 R1 and PLUG, 103 883, release
19	273 215 R91	CLUTCH ASSY (11-1/2") (Composed of - 1 BODY 273 214 R1 1 FACING 338 903 R1 3 LEVER 268 866 R1 6 LINK 266 696 R1 1 NUT 347 871 R1 3 PIN 266 694 R1 6 PIN 266 697 R1 1 PLATE 268 861 R91 1 PLATE 347 872 R1 3 RING 255 395 R1 6 RING 266 698 R1 1 RING 267 065 R1 1 SLEEVE w/ BEARING 273 216 R91 3 SPRING 266 704 R1 1 SPRING 268 865 R91)
20	321 481 R1	PLATE, instruction
21	266 656 R1	GASKET, cover
22	273 240 R1	HOUSING, clutch
23	13 396 DC	CONE, tapered roller bearing (2)
23	13 390 D	CUP, tapered roller bearing (2)
24	109 461	FITTING, 1/8" pipe plug
25	266 667 R91	TUBE, flexible
26		NUT, 5/8"NF
27	319 946 R1	SHAFT, drive
28	267 060 R1	KEY (PT-780)
29	273 211 R1	KEY, 1/2 x 1-7/8"
30	266 660 R1	RETAINER, bearing
31	266 661 R1	PLATE, lock
32	273 210 R91	YOKE, clutch
33	266 663 R1	SHAFT, voke
34	124 553	KEY, (Woodruff No. 15) (2)
35	266 666 R91	LEVER, shifting
	305 861 R91	BEARING, clutch pilot (optional with 338 543 R91)
	338 543 R91	BEARING, clutch pilot (optional with 305 861 R91)

REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF - Continued (Rockford) (UC-263 Regular Duty)
	19 503 R1	NUT, 5/16"NF elastic stop (2)
	319 524 R91	POWER TAKE-OFF, w/11-1/2" over-center clutch assembly (will work for 273 016 R91) (Composed of - 1 CLUTCH 273 215 R91 2 CONE 13 396 DC 2 CUP 13 390 D 3 FITTING 109 461 1 GASKET 266 656 R1 1 HOUSING 273 240 R1 2 KEY 124 553 1 KEY 267 060 R1 1 KEY 273 211 R1 1 LEVER 266 666 R91 1 NUT 266 681 R1 1 PLATE 266 661 R1 1 PLATE 321 481 R1 1 RETAINER 266 660 R1 1 SHAFT 266 663 R1 1 SHAFT 319 946 R1 1 TUBE 266 667 R91 1 WASHER 273 212 R1 1 YOKE 273 210 R91 SCREW, 3/8 x 1-1/8" hex hd cap (12) SCREW, 3/8 x 1-1/2" hex hd cap (8) WASHER, 3/8" lock (20)
	103 883	PLUG, 1/8" slt hd pipe (steel)
		SCREW, 1/4 x 3/8" rd. hd mach. (2)
		SCREW, 1/4 x 3/8" fil hd
		SCREW, 3/8 x 1-1/4" hex hd cap (2)
		SCREW, 5/16 x 1/2" hex hd cap
		SCREW, 1/2 x 1-3/4" hex hd cap
		SCREW, 5/16NF x 2" hex hd cap (2)
		SCREW, 5/16 x 5/16" f-pt. set
	273 216 R91	SLEEVE, 273 217 R1, w/release BEARING, 273 218 R91, release
	265 636 R1	SPACER, clutch pilot bearing
		WASHER, 5/16" lock
		WASHER, 3/8" lock (2)
		WASHER, 1/2" lock
		WASHER, 1/4" (Shakeproof)

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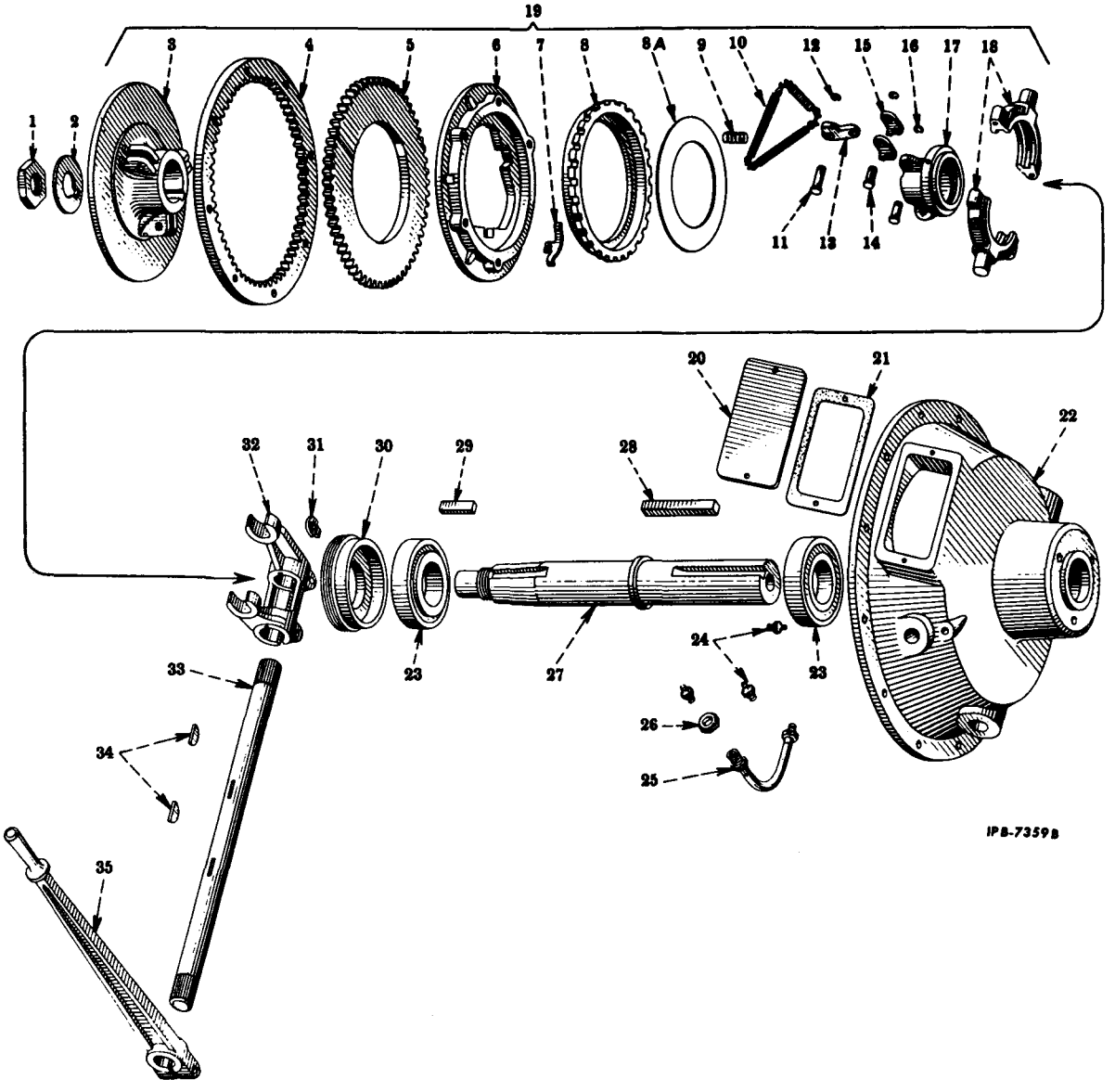
(Rev. No. 1 6-71)

POWER TAKE-OFF
(Rockford) (UC-221 Light Duty)

POWER TAKE-OFF - Continued
(Rockford) (UC-221 Light Duty)



REF. NO.	PART NUMBER	DESCRIPTION
	273 020 R91	ATTACHMENT, power take-off 319 500 R91, w/BEARING, ST 301 (with 8" single plate over-center drive ring type clutch) (UC-221 light duty) (used with flywheel ATTACHMENT, 312 729 R91) (See NOTES 1 and 3)
1	258 671 R1	NUT, hex
2	258 670 R1	WASHER, lock
3	269 110 R1	BODY, clutch
4	266 699 R1	RING, driving
5	266 686 R1	FACING, clutch
6	266 688 R1	PLATE
7	266 690 R1	LOCK, adjusting
8	347 766 R1	NUT, adjusting (together with PLATE, 347 767 R1) (will work for 266 689 R1)
8A	347 767 R1	PLATE, adjusting ring (together with NUT, 347 766 R1) (will work for 266 689 R1)
9	266 687 R1	SPRING, separator (3)

NOTE 1 - Factory Application - Order On Machine Order Form

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF - Continued (Rockford) (UC-221 Light Duty)
10	269 109 R91	SPRING, lever
11	266 697 R1	PIN, clevis (6)
12	266 698 R1	RING, retaining (6)
13	268 866 R1	LEVER (3)
14	266 694 R1	PIN, clevis (3)
15	266 696 R1	LINK, connecting (6)
16	255 395 R1	RING, retaining (3)
17	266 700 R1	SLEEVE, release
18	266 701 R91	BEARING w/two NUT, 19 503 R1 release
	19 503 R1	NUT, 5/16"NF elastic stop (2) SCREW, 5/16NF x 1-3/4" hex hd cap (2)
19	266 683 R92	CLUTCH ASSEMBLY, 8" (Composed of - 1 BODY 269 110 R1 1 FACING 266 686 R1 3 LEVER 268 866 R1 6 LINK 266 696 R1 1 LOCK 266 690 R1 1 NUT 347 766 R1 3 PIN 266 694 R1 6 PIN 266 697 R1 1 PLATE 266 688 R1 1 PLATE 347 767 R1 3 RING 255 395 R1 1 RING 266 699 R1 6 RING 266 698 R1 1 SLEEVE w/ BEARING 266 691 R91 3 SPRING 266 687 R1 1 SPRING 269 109 R91)
20	321 481 R1	PLATE, instruction
21	266 656 R1	GASKET, cover
22	266 654 R2	HOUSING, clutch
23	62 923 R91	CONE, tapered roller bearing (2)
23	ST 977	CUP, tapered roller bearing (2)
24	271 409	FITTING, 1/8" plug pipe (3)
25	266 667 R91	TUBE, flexible
26		NUT, 5/8"NF
27	319 534 R1 103 881	SHAFT, drive PLUG, 1/8" pipe
28	266 669 R1	KEY
29	266 678 R1	KEY (1/4 x 1/4 x 2")
30	266 659 R1	RETAINER, bearing
31	266 661 R1	PLATE, lock
32	266 665 R91	YOKE, clutch
33	266 662 R1	SHAFT, yoke
34	124 553	KEY (Woodruff, No. 15) (2)

REF. NO.	PART NUMBER	DESCRIPTION
		POWER TAKE-OFF - Continued (Rockford) (UC-221 Light Duty)
35	266 666 R91	LEVER, shifting
	ST 301	BEARING, clutch pilot
	319 500 R91	POWER TAKE-OFF w/8" over-center clutch assembly (will work for 265 814 R92) (Composed of - 1 CLUTCH 266 683 R92 2 CONE 62 923 R91 2 CUP ST 977 3 FITTING 271 409 2 FITTING 145 692 1 GASKET 266 656 R1 1 HOUSING 266 654 R2 2 KEY 124 553 1 KEY 266 669 R1 1 KEY 266 678 R1 1 LEVER 266 666 R91 1 NUT 258 671 R1 1 PLATE 266 661 R1 1 PLATE 321 481 R1 1 RETAINER 266 659 R1 1 SHAFT 266 662 R1 1 SHAFT 319 534 R1 1 TUBE 266 667 R91 1 WASHER 258 670 R1 1 YOKE 266 665 R91) SCREW, 3/8 x 1-1/8" hex hd cap (12) SCREW, 3/8 x 1-3/8" hex hd cap (6) WASHER, 3/8' lock (18)
	103 883	PLUG, 1/8" sltd hd pipe
		SCREW, 1/4 x 3/8" rd. hd mach (2)
		SCREW, 1/4 x 3/8" fil hd
		SCREW, 3/8 x 1-1/4" hex hd cap (2)
		SCREW, 5/16 x 1/2" hexhd cap
		SCREW, 1/2 x 1-3/4" hex hd cap
		SCREW, 5/16 x 1/4" f-pt set
	266 691 R91	SLEEVE, 266 700 R1, w/release BEARING, 266 701 R1
		WASHER, 5/16" lock
		WASHER, 3/8" lock (2)
		WASHER, 1/2" lock
		WASHER, 1/4" (Shakeproof)

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ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
POWER TAKE-OFF (Twin Disc)		
A	266 818 R92	ATTACHMENT, power take-off w/standard shaft (11-1/2" single plate overcenter drive ring type clutch) (for light duty and sideload applications w/PTO speeds of 2200 rpm or below) (see NOTES 1 and 3)
B	304 536 R91	ATTACHMENT, power take-off w/extended shaft (11-1/2" over-center drive ring type clutch) (+)
C	345 345 R91	ATTACHMENT, high speed power take-off w/11-1/2" single plate over-center drive ring clutch, 2-1/4" dia. shaft w/sealed for life cartridge type pilot bearing - P.T.O. shaft has no rifle drill (for heavy duty clutch and side load applications w/P.T.O. speeds above 2200 rpm)(UC-263)(see NOTES 1 and 3)
D	345 346 R91	ATTACHMENT, high speed power take-off s/11-1/2" single plate overcenter drive ring clutch, 2-1/4" dia. shaft w/sealed for life cartridge type pilot bearing - P.T.O. shaft has no rifle drill (for heavy duty clutch and side load applications w/P.T.O. speeds above 2200 rpm) (includes safety shut-off)(UC-263) (see NOTES 1 and 3)
E	273 018 R91	ATTACHMENT, power take-off 321 054 R91 w/bearing, 305 861 R91 (UC-221 regular duty) (UC263 light duty) (with 10" single plate over-center drive ring type clutch)(see NOTES 1 and 3)
F	273 021 R91	ATTACHMENT, power take-off, 321 052 R91 w/BEARING, ST-301 (with 8" single plate overcenter drive ring type clutch) (UC-221 light duty) (Used with flywheel attachment 312 759 R91) (see NOTES 1 and 3)
	305 861 R91	BEARING, clutch pilot (optional with 338 543 R91) (Attachments A thru E)
	338 543 R91	BEARING, clutch pilot (optional with 305 861 R91) (Attachments A thru E)
	ST 301	BEARING, clutch pilot (Attachment F)
	308 610 R91	BLOCK w/BEARING, 305 167 R91, outboard bearing pillow (optional with 304 485 R91 and 304 486 R91) (Attachment B)
	304 485 R91	BLOCK w/BEARING, 305 166 R91 and FITTING, 138 322 H, outboard bearing pillow (optional with 304 486 R91 and 308 610 R91) (Attachment B)
	304 486 R91	BLOCK w/BEARING, 305 167 R91, outboard bearing pillow (optional with 304 485 R91 and 308 610 R91) (Attachment B) NUT, 1/2" (2) SCREW, 1/2 x 2" hex hd cap (2) WASHER, 1/2" lock (2) WASHER, 17/32 x 1-11/16" x 13 ga. (2)

REF. NO.	PART NUMBER	DESCRIPTION
POWER TAKE-OFF - Continued (Twin Disc)		
	304 537 R11	BRACKET, outboard bearing (Attachment B)
	345 347 R91	CABLE, temperature switch to junction block (Attachment D)
	366 460 R1	CLIP, cable (mount on power take-off bolts) (2 for Attachment D)
	60 610 D	KEY, belt pulley short (Attach. B)
	60 614 D	KEY, belt pulley long (Attachment B)
	321 054 R91	POWER TAKE-OFF w/STANDARD SHIFT ASSY (will work for 265 817 R91) (Attachment E) (*)
	321 052 R91	POWER TAKE-OFF-w/STANDARD shaft assy (will work for 265 816 R91) (Attachment F) (*)
	321 056 R91	POWER TAKE-OFF w/extended shaft Assy (Attachment B) (*)
	321 057 R91	POWER TAKE-OFF w/standard shaft Assy (Attachment A) (*)
	346 882 R91	POWER TAKE-OFF w/standard shaft Assy (Attachments C and D) (*) SCREW, 3/8 x 1-1/8" hex hd cap (12) SCREW, 3/8 x 1-1/2" hex hd cap (8) WASHER, 3/8" lock (20)
	304 539 R1	SHIM, outboard bearing heavy (Attachment B)
	304 540 R1	SHIM, outboard bearing medium (2 for Attachment B)
	304 541 R1	SHIM, outboard bearing light (4 or more for Attachment B)
	265 636 R1	SPACER, clutch bearing
	183 350 R91	SWITCH, temperature (250°) (Attachment D)

(+) - Attachment No Longer Available Service Parts will Be Furnished

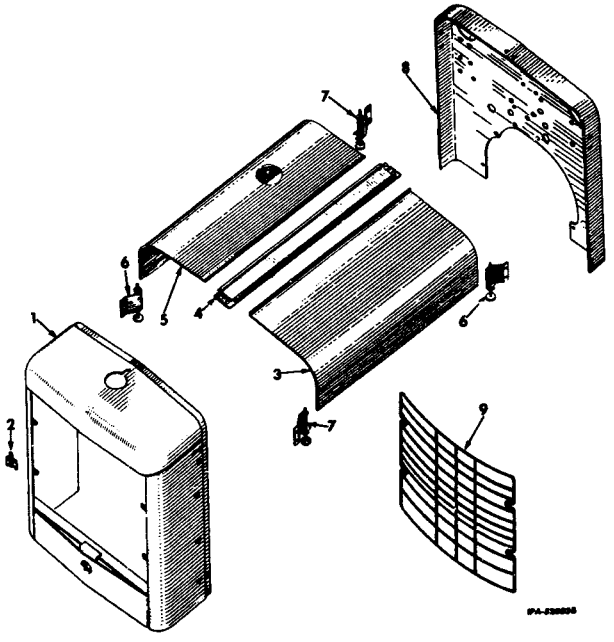
(*) - Order Detail Service Parts From Nearest Twin-Disc Distributor.

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

ATTACHMENTS

GRILLE, HOOD AND DASH



REF. NO.	PART NUMBER	DESCRIPTION
A	304 581 R91	ATTACHMENT, hood and dash (+)
B	320 136 R91	ATTACHMENT, hi-flow radiator grille (not for use with radiator shutter) (see NOTES 1 and 3)
C	320 137 R91	ATTACHMENT, hi-flow radiator grille (for use with radiator shutter) (see NOTES 1 and 3)
D	349 145 R91	ATTACHMENT, hood and dash (see NOTES 1 and 3)
1	320 138 R11	HOUSING, radiator grille (Attachment B)
1	320 140 R91	HOUSING, radiator grille (Attachment C) SCREW, 5/16 x 1/2" hex hd cap (8) WASHER, 5/16" lock (8)
2	275 194 R91	EMBLEM, "IH" (Attachments B and C)
	363 284 R2	FASTENER, "IH" emblem (2)
3	265 581 R1	HOOD, LH engine (Attachments A and D)
4	268 390 R11	STRIP, hood center (Attachments A and D) NUT, 3/8" (4) SCREW 3/8 x 5/8" hex hd cap (4) WASHER, 3/8" lock (4)
5	304 582 R1	HOOD, RH engine (Attachments A and D)
6	265 586 R91	HOOK, RH hood clamp (2 for Attachments A and D) SCREW, 5/16 x 1/2" hex hd cap (4) WASHER, 5/16" lock (4)

GRILLE, HOOD AND DASH - Continued

REF. NO.	PART NUMBER	DESCRIPTION
7	265 585 R91	HOOK, LH hood clamp (2 for Attachments A and D) SCREW, 5/16 x 1/2" hex hd cap (4) WASHER, 5/16" lock (4)
8	304 583 R2	DASH (Attachment A)
8	349 146 R1	DASH (Attachment D) SCREW, 3/8 x 3/4" hex hd cap (5 for Attachment A) WASHER, 3/8" lock (5 for Attachment A, 4 for Attach, D) SCREW, 3/8 x 5/8" hex hd cap (4 for Attachment D) WASHER, 13/32 x 13/16" x 16 ga. (2 for Attachment A)
9	320 139 R1	GRILLE, hi-flow (Attachments B and C)
	321 719 R91	BOLT, grille (4)
	354 837 R1	WASHER, flat (4)
9	304 600 R91	GRILLE, radiator (order PACKAGE, 320 149 R91 or 320 163 R91)
	144 229	GROMMET (Attachment A)
	320 149 R1	PACKAGE, radiator grille field service (for units without radiator shutter) (Consists of - 4 BOLT 321 719 R91 1 GRILLE 320 139 R1 1 HOUSING 320 138 R11 4 WASHER 354 837 R1)
	320 163 R91	PACKAGE, radiator grille field service(for units with radiator shutter) (Consists of - 4 BOLT 321 719 R91 1 GRILLE 320 139 R1 1 HOUSING 320 140 R91 4 WASHER 354 837 R1)
		NUT, 3/8" (+) (2 for Attachment D)
		SCREW, 3/8 x 3/4" hex hd cap (+) (2 for Attachment D)
		SCREW, 3/8 x 3/8" hex hd cap (+) (2 for attachment D)
	670 305 C1	SHIM, radiator housing (Attachment B)
		WASHER, 3/8" lock (+) (4 for Attachment D)

(+) - For Use With Dash When Instrument and Panel Attachment is Not Rear Mounted.

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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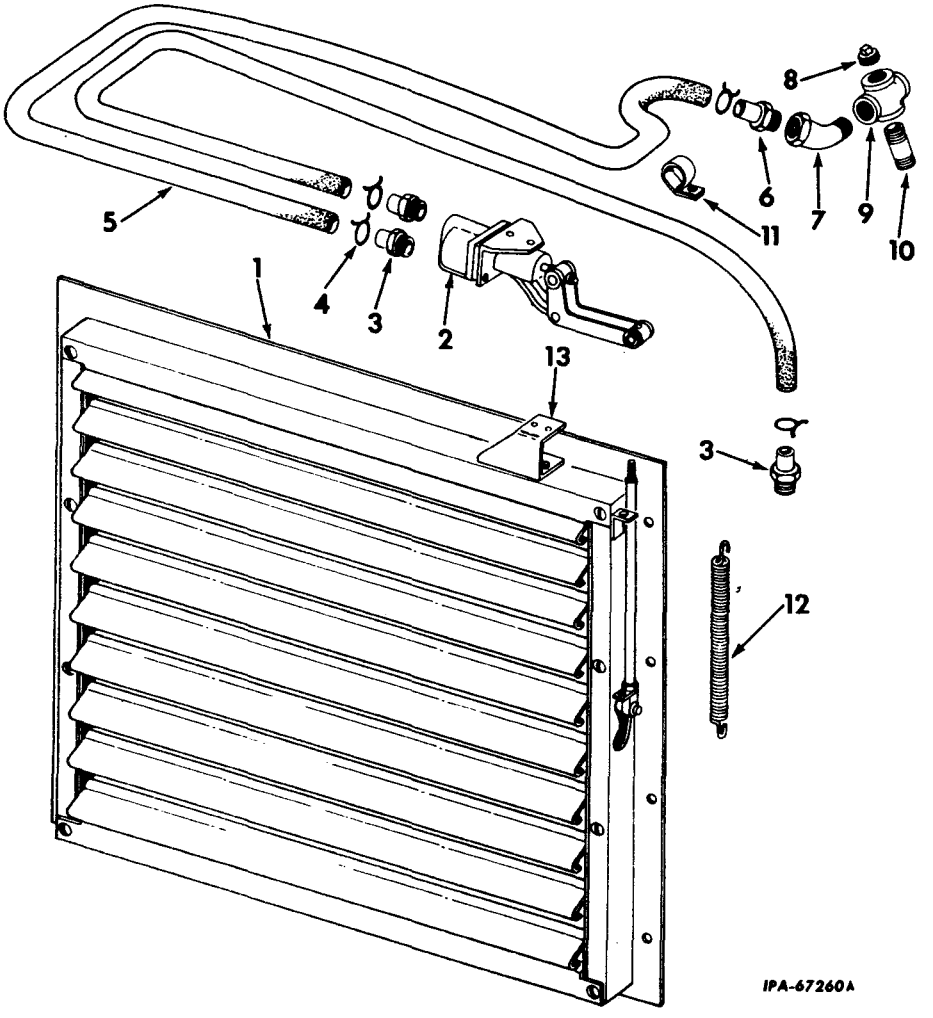
ATTACHMENTS

RADIATOR SHUTTER
(Automatic) (Kysor Heater)



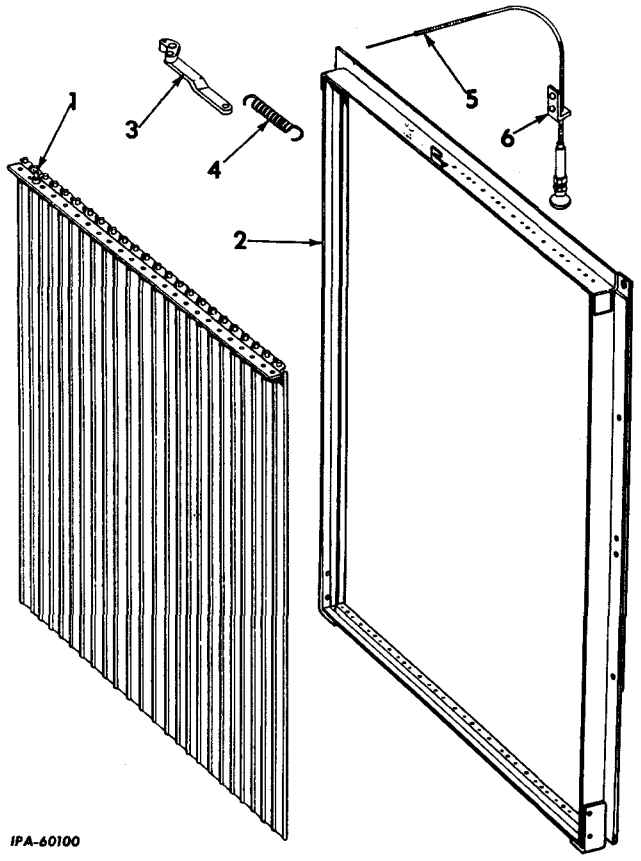
REF. NO.	PART NUMBER	DESCRIPTION
	318 021 R91	ATTACHMENT, radiator shutter (+)
1	313 326 R91	SHUTTER w/CONTROL, 615 236 C91, BRACKET, 615 237 C1 and SPRING 317 785 R1, radiator SCREW, 5/16 x 1/2" hex hd cap (8) WASHER, 5/16" lock (8)
2	615 236 C91	CONTROL, vernatherm SCREW, 1/4NF x 1/2" hex hd cap (cd-pltd) (4) WASHER, 1/4" lock (4)
3	171 819 R1	NIPPLE, hose (3)
4	112 700 R1	CLAMP, hose (4)
5	312 278 R1	HOSE, radiator to vernatherm (5/8 x 5/16 x 49") (2)
6	171 820 R1	NIPPLE, hose
7	137 894	ELBOW, 1/2 x 45° street
8	438 159	PLUG, 1/2" pipe

RADIATOR SHUTTER - Continued
(Automatic) (Kysor Heater)

REF. NO.	PART NUMBER	DESCRIPTION
9	142 340	CROSS, 1/2" pipe
10	144 610	NIPPLE, 1/2 x 1-3/8" pipe
11	301 819 R1	CLIP, hose
12	317 785 R1	SPRING, control rod
13	615 237 C1	BRACKET, control
	445 673	PLUG, 3/8" pipe
		WASHER, 5/16 x 3/4 x .065" (cd-pltd)
		PIN, 3/32 x 1/2" cotter

(+) - Attachment No Longer Available Service Parts Will Be Furnished

RADIATOR SHUTTER
(Manual) (Hardy Mfg. Corp.)



REF. NO.	PART NUMBER	DESCRIPTION
	312 184 R91	ATTACHMENT, radiator shutter (see NOTES 1 and 3)
1	317 781 R91	SHUTTER w/operating BAR NUT, 1/4" (4) SCREW, 1/4 x 5/8" slt rd hd mach. (4) WASHER, 1/4" lock (4)
2		FRAME (Not Furnished Separately)
3	317 680 R91	BELLCRANK w/operating LINK
4	47 530 D	SPRING, bellcrank
5	313 224 R91	CONTROL, vernier SCREW, 1/4NF x 1/2" ov-pt hex soc hd set NUT, 1/4"NF
6	312 185 R1	BRACKET, shutter control SCREW, 3/8 x 1" hex hd cap
	313 225 R91	SHUTTER ASSY, manual (Composed of - 1 BELLCRANK w/LINK 317 680 R91 1 FRAME 1 SHUTTER w/ BAR 317 781 R91 1 SPRING 47 530 D 1 WASHER 352 627 R1) SCREW, 5/16 x 1/2" hex hd cap (8) WASHER, 5/16" lock (8)

RADIATOR SHUTTER - Continued
(Manual) (Hardy Mfg. Corp.)

REF. NO.	PART NUMBER	DESCRIPTION
		NUT, No. 10
		SCREW, No. 10 x 9/16" rd hd mach
		WASHER, No. 10 internal tooth lock
	352 627 R1	WASHER, .325 x 5/8" flat PIN, 3/32 x 5/8" cotter

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channel.

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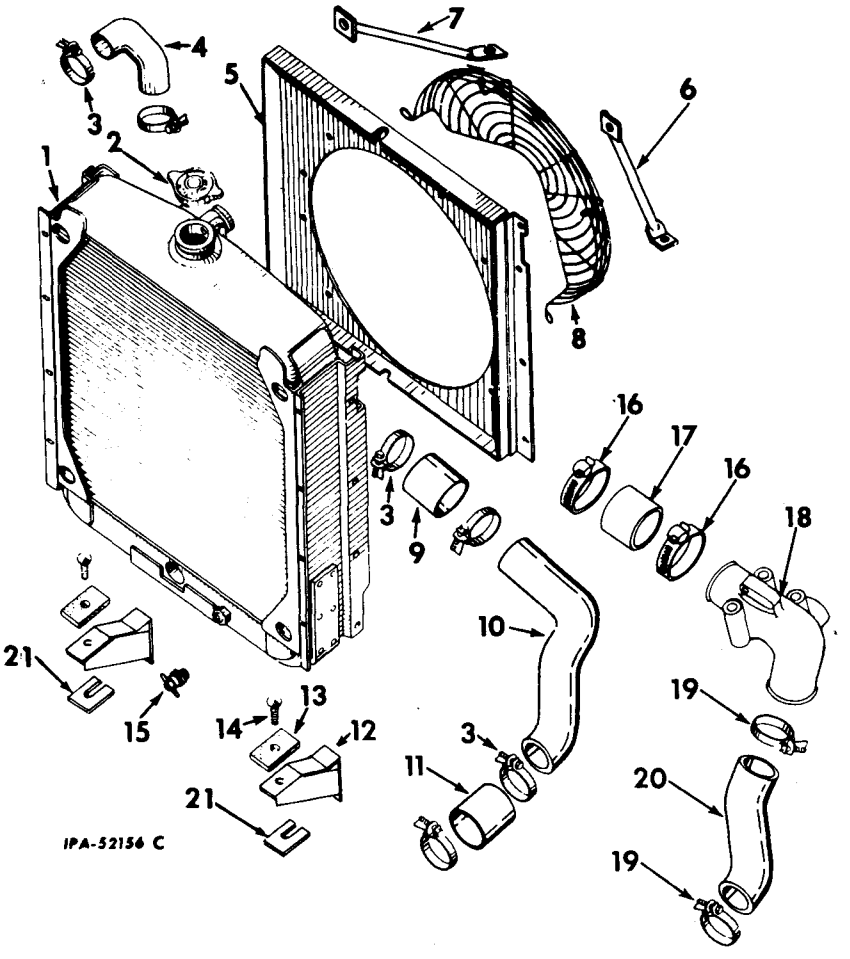
ATTACHMENTS

RADIATOR AND CONNECTIONS AND FAN GUARD



REF. NO.	PART NUMBER	DESCRIPTION
A	304 577 R91	ATTACHMENT, fan guard (UC-221) and (UC-263) (see NOTES 1 and 3)
B	609 106 C91	ATTACHMENT, radiator and connections (for units equipped with Hydraulic Pump) (See NOTES 1 and 3)
C	305 193 R92	ATTACHMENT, radiator and connections (for units not equipped with Hydraulic Pump) (UC-263) (see NOTES 1 and 3)
D		Service parts for radiator and connections (for units equipped with Hydrauli Pump) (UC-221)
E		Service parts for radiator and connections (for units equipped with Hydraulic Pump) (UC-263)
1	265 595 R93	RADIATOR (will work for 304 608 R93)
2	361 705 R91	CAP, radiator (Units B, C, D and E)
3	274 088 R91	CLAMP, radiator elbow (4 for Unit B and 6 for Unit C; 2 for Units D and E)
4	304 596 R2	ELBOW, radiator inlet (Units B, C, D D and E)

RADIATOR AND CONNECTIONS AND FAN GUARD - Continued

REF. NO.	PART NUMBER	DESCRIPTION
5	612 292 C1	SHROUD, fan (Unit B) SCREW, 5/16 x 1/2" hex hd cap (4) SCREW, 5/16 x 3/4" hex hd cap (2) WASHER, 5/16" lock (6) SCREW, 3/8 x 1/2" hex hd cap (2) WASHER, 3/8" lock (2)
5	304 590 R11	SHEET, fan housing (Units C, D and E) SCREW, 5/16 x 1/2" hex hd cap (6) WASHER, 5/16" lock (6)
6	601 712 C1	BRACE, radiator LH (Units B, C, D and E) SCREW, 3/8 x 3/4" hex hd cap
7	601 713 C1	BRACE, radiator RH (Units B, C, D and E)

NOTE 1 - Factory Application - Order On Machine Order Form.

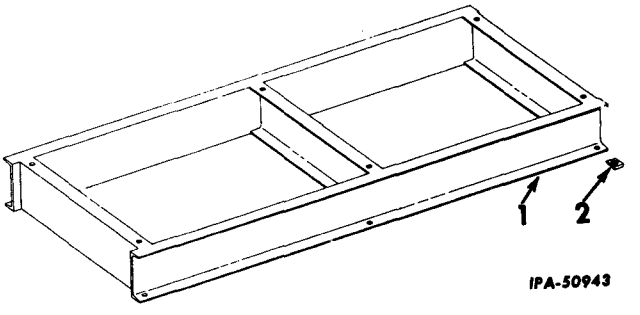
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

REF. NO.	PART NUMBER	DESCRIPTION
		RADIATOR AND CONNECTIONS AND FAN GUARD - Continued
8	304 578 R91	GUARD, fan (Unit A) SCREW, 5/16 x 1/2" hex hd cap (4) WASHER, 5/16" lock (4) WASHER, 11/32 x 11/16 x 16 ga. (4)
9	407 008 R1	HOSE, upper radiator outlet elbow (2 x 2-3/16 x 2-1/4" long)(Units B and C) (*)
10	305 197 R1	ELBOW, radiator outlet (Units B and C)
11	407 009 R1	HOSE, lower radiator outlet elbow (2-1/8 x 2-5/16 x 1-7/8" long) (Units B and C) (*)
12	310 336 R21	SUPPORT, radiator (2 for Units B, C, D and E) NUT, 5/8" (4) SCREW, 5/8 x 1-1/4" hex hd cap (2) SCREW, 5/8 x 1-1/2" hex hd cap (2) WASHER, 5/8" lock (4)
13	265 597 R1	PAD, radiator (2 for Units B, C, D and E)
14	15 024 R1	BOLT, radiator mounting (2 for Units B, C, D and E) NUT, 7/16" (2) WASHER, 7/16" lock (2) WASHER, 15/32 x 59/64" x 16 ga. (2)
15	31 729 D	VALVE, radiator drain (Units B, C, D and E)
16	279 038 R1	CLAMP, hose (2 for Units D and E)
17	278 281 R1	HOSE, water inlet (2 x 2-3/8 x 1-3/4") (Units D and E)
18	312 501 R1	ELBOW, water inlet (Units D and E) SCREW, 3/8 x 2-3/4" hex hd cap (3) WASHER, 3/8" lock (3)
19	274 088 R91	CLAMP, radiator outlet elbow hose (2 for Units D and E)
20	304 597 R1	ELBOW, radiator outlet (Units D and E)
21	670 670 C1	SHIM (used with radiator SUPPORT, 310 336 R21) (X)
	444 782	PLUG, water inlet (for condenser) (Unit C)
	445 673	PLUG, water inlet (for condenser) (Unit C)

(X) - As Required

(*) - Make From Bulk Stock. Bulk Stock Furnished In 3 Foot Lengths. Part No. Is For 1 Foot Of Hose Only.

REF. NO.	PART NUMBER	DESCRIPTION
		SUB-BASE (For UC-263 Power Units equipped with Extended Shaft and Outboard Bearing Attachment)



	304 605 R91	ATTACHMENT, sub-base (UC-263) (See NOTES 1 and 3) (Consists of the following parts -
1	304 602 R91	SUB-BASE NUT, 5/8" (6) SCREW, 5/8 x 1-3/4" hex hd cap (6) WASHER, 5/8" lock (6)
2	51 811 D	WASHER, bevel (6)

NOTE 1 - Factory Application - Order On Machine Order FORM.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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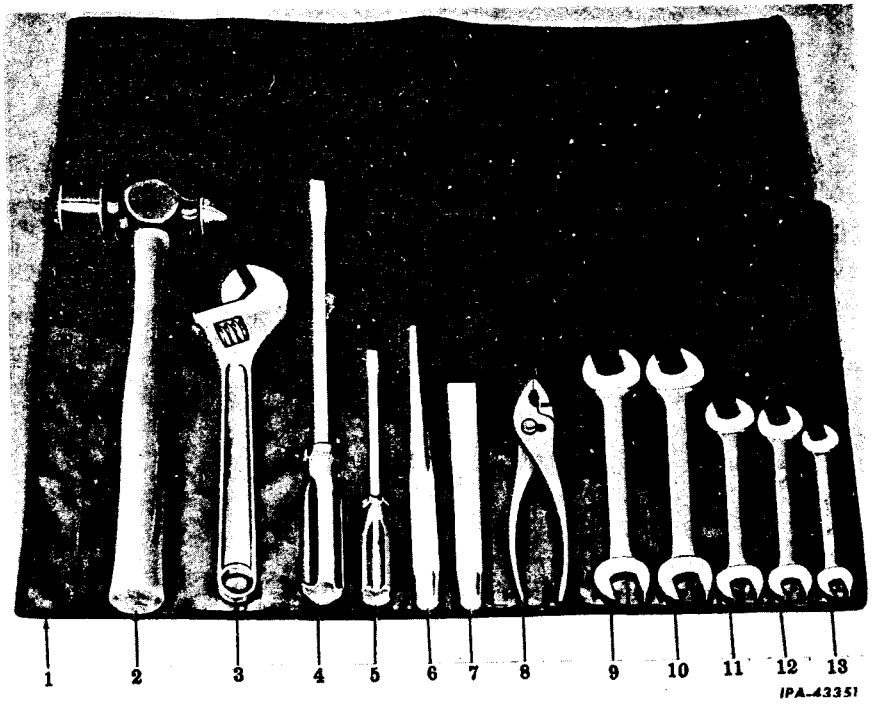
REF. NO.	PART NUMBER	DESCRIPTION
AUXILIARY DRIVE PULLEY		
	318 001 R91	ATTACHMENT, auxiliary drive pulley, (6.75" OD single "A" sheave) (for use with suction fan ATTACHMENT, 320 165 R91, 320 166 R91 or blower fan ATTACHMENT, 323 768 R91) See NOTES 1 and 3)
	318 002 R91	ATTACHMENT, auxiliary drive pulley (6.75" OD single "B" sheave) (for use with suction fan ATTACHMENT, 320 166 R91 or blower fan ATTACHMENT, 323 768 R91) (18-1/2" dia. 5 blade w/1.62" spacer) (See NOTES 1 and 3)
	318 003 R91	ATTACHMENT, auxiliary drive pulley (5.02" OD single "A" sheave (for use with suction fan ATTACHMENT, 320 165 R91, 320 166 R91 or blower fan ATTACHMENT, 323 768 R91 (See NOTES 1 and 3)
	284 358 R1	PULLEY, auxiliary drive (part of ATTACHMENT, 318 001 R91)
	9 409 030	BOLT, 3/8 x 1-1/4" (Type "AA" lock) (4)
	318 007 R1	PULLEY, auxiliary drive (part of ATTACHMENT, 318 002 R91)
	9 409 231	BOLT, 3/8 x 1-1/2" (Type "AA" lock) (4)
	338 952 R91	PULLEY, auxiliary drive (part of ATTACHMENT, 318 003 R91)
FLEXIBLE COUPLING		
	318 004 R91	ATTACHMENT, flexible coupling (front power take-off (48 H.P. capacity) (for use with suction fan ATTACHMENT, 316 170 R91) 18" dia 6 blade w/1.38" spacer)or blower fan ATTACHMENT, 316 168 R91 (18" dia. 6 blade w/ 1.00" spacer) (See NOTES 1 and 3)
	318 005 R91	ATTACHMENT, flexible coupling (front power take-off)(20 H.P. capacity) (for use with blower fan ATTACHMENT, 304 549 R91, and 320 166 R91) suction fan ATTACHMENT, 320 165 R91) (See NOTES 1 and 3)
	319 650 R91	COUPLING, flexible (part of ATTACHMENT, 318 005 R91)
	319 651 R91	COUPLING, flexible (part of ATTACHMENT, 318 004 R91)
		SCREW, 3/8 x 7/8" soc hd cap (4)
		NUT, 1"NF crankshaft jam

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels

TOOLS
(Service Tools)



TOOL SET (I.H. Part No. 276822R91) (order through regular service parts channels) (See NOTE)

REF. NO.	PART NUMBER	DESCRIPTION
1	ED-1133	ROLL, tool (leatherette)
2	BP-32	HAMMER (2 lb. - ball peen)
3	DA-12	WRENCH (adjustable - 12" long)
4	SS-123	SCREWDRIVER (3/8" shank)
5	SS-83	SCREWDRIVER (1/4" shank)
6	TP-24	PUNCH (10" long)
7	CC-24	CHISEL (8" long)
8	712-A	PLIERS (slip joint - 8" long)
9	E-2426	WRENCH, end (3/4 x 13/16")
10	E-2628	WRENCH, end (13/16 x 7/8")
11	E-2022	WRENCH, end (5/8 x 11/16")
12	E-1820	WRENCH, end (9/16 x 5/8")
13	E-1416	WRENCH, end (7/16 x 1/2")

NOTE - Order Individual Tools and Complete Tool Sets From Service Tools, Inc., 1901 South Indiana Avenue, Chicago, Illinois 60616

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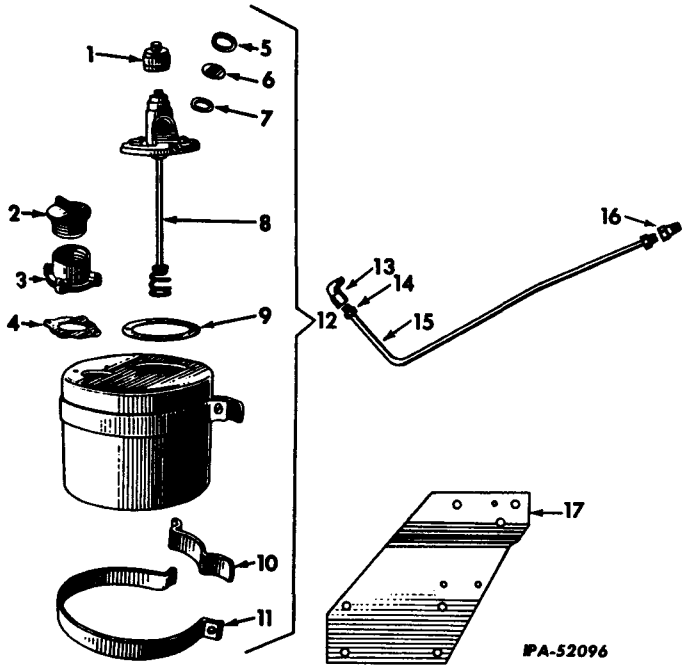
REF. NO.	PART NUMBER	DESCRIPTION
		TOP CYLINDER OILER (Emerol Manufacturing Company's Marvel Oiler)

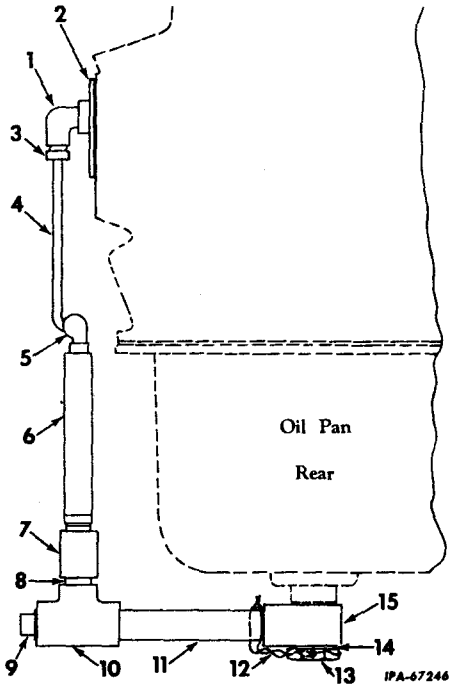


REF. NO.	PART NUMBER	DESCRIPTION
		TOP CYLINDER OILER - Continued (Emerol Manufacturing Company's Marvel Oiler)
	305 883 R91	ATTACHMENT, top cylinder oiler (*)
1	38 976 D	CAP, head
2	261 518 R1	PLUG, filler
3	261 517 R1	BODY, filler SCREW, No. 8 x 5/8" slt fil hd (4)
4	38 974 D	GASKET, filler body
5	39 824 D	NUT, sight glass lock
6	39 822 D	GLASS, sight (plastacele)
7	39 823 D	GASKET, sight glass
8	38 970 D	HEAD SCREW, No. 8 x 5/8" flt fil hd (6)
9	38 975 D	GASKET, head to tank
10	38 972 D	SADDLE (2) SCREW, No. 10NF x 1/2" slt rd hd. (4)
11	38 971 D	STRAP (2)
12	36 087 DA	OILER, top cylinder (Emerol Co. "Marvel Inverse" Oiler) (Model "TU") NUT, No. 10 (4) SCREW, No. 10 slt fil hd. (4) WASHER, No. 10 lock (4)
13	36 637 D	ELBOW, top cylinder oiler tube (at oiler)
14	36 092 D	NUT, top cylinder oiler tube coupling (2)
15	305 884 R1	TUBE, top cylinder oiler
16	59 939 D	CONNECTOR, male top cylinder oiler tube (at manifold)
17	305 708 R1	SUPPORT, top cylinder oiler SCREW, 7/16 x 7/8" hex hd cap (2) WASHER, 7/16" lock (2)
	445 671	PLUG, 1/8" sq. hd pipe (CI) (optional with 445 684) (assemble in tee)
	445 684	PLUG, 1/8" sq hd steel pipe (optional with 445 671) (assemble in tee)
	444 236	TEE, 1/8-27 automotive pipe (CI) (optional with 444 238 and 444 132) (assemble in intake manifold)
	444 238	TEE, 1/8-27 automotive pipe (brass) (optional with 444 236 and 444 132) (assemble in intake manifold)
	444 132	TEE, 1/8-27 automotive pipe (brass) (optional with 444 236 and 444 238) (assemble in intake manifold)

(*) - Attachment No Longer Available Service Parts Will Be Furnished.

REF. NO.	PART NUMBER	DESCRIPTION

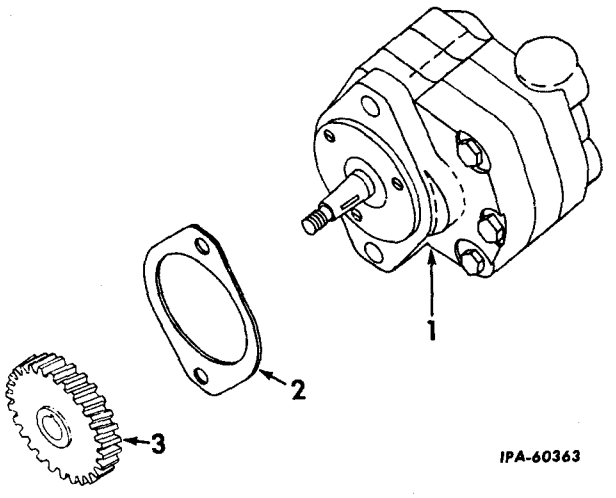
OIL LEVEL SIGHT GAUGE



	312 998 R93	ATTACHMENT, oil level sight gauge (for use on Natural Gas, Liquefied Petroleum Gas and Combination Gas or Gasoline engines) (Not used On Units Equipped with Flo-Matic Valve Attachment) (See NOTES 1 and 3)
1	252 374 R1	ELBOW, 90° vent tube
2	312 948 R11	COVER, fuel pump pad
3	369 987 R1	NUT, 1/4" coupling (2)
4	312 999 R1	TUBE, vent
5	30 402 D	ELBOW, vent tube
6	279 689 R91	GAUGE, oil level
7	120 755	COUPLING, 3/8" pipe
8	120 207	NIPPLE, 3/8 x 1" pipe UC221 501 to UC263 UC263 501 to
8	109 421	NIPPLE, 3/8 x 1-1/2" pipe UC221 501 Up UC263 501 Up
9	103 868	PLUG, 1/2" pipe
10	143 166	TEE, 1/2 x 1/2 x 3/8" oil level gauge
11	190 702	NIPPLE, 1/2 x 5" pipe UC221 501 to UC263 501 to
11	219 334	NIPPLE, 1/2 x 5-1/2" pipe UC221 501 Up UC263 501 Up
12	702 598 C1	ELBOW, adustable (will work for BOLT, 332 174 R1 and UNION, 332 173 R1)
	3 405 H	GASKET, oil pan drain (used with BOLT, 332 174 R1 and UNION, 332 173 R1) (2)

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC PUMPS AND RELATED PARTS



A		Service parts for Hydraulic Pump (15 G. P. M.) (Gasoline engines)(*)
B		Service parts for Hydraulic Pump (18 G. P. M.) (Gasoline engines)(*)
C		Service parts for Hydraulic Pump (7 G. P. M.) (Gasoline engines) (*)
D		Service parts for Hydraulic Pump (11 G. P. M.) (Gasoline engines)(*)
1	588 368 R91	PUMP, hydraulic (Unit C) (+)
1	588 371 R92	PUMP, hydraulic (Unit A) (+)
1	588 370 R91	PUMP, hydraulic (Unit D) (+)
1	317 528 R91	PUMP, hydraulic (Unit B) (+)
	179 839	SCREW, 3/8 x 1" hex hd cap
	179 842	SCREW, 3/8 x 1-3/8" hex hd cap
	103 321	WASHER, 3/8" lock (2)
2	312 453 R1	GASKET, hydraulic pump
3	312 452 R1	GEAR, hydraulic pump (27 T)
		NUT, 1/2"NF
		WASHER, 1/2" int-ext. tooth lock

(*) - For Use with Electric Fuel Pump, 317 696 R91, Generator (Delco-Remy) No. 11102034) Mechanical Governor, Novi, 310 840 R91, Instrument Panel, 278 597 R2, Radiator 265 595 R92 and Fan, Attachment 304 576 R91.

(+) - For Components See List Of Parts Under Details of "Hydraulic Pump".

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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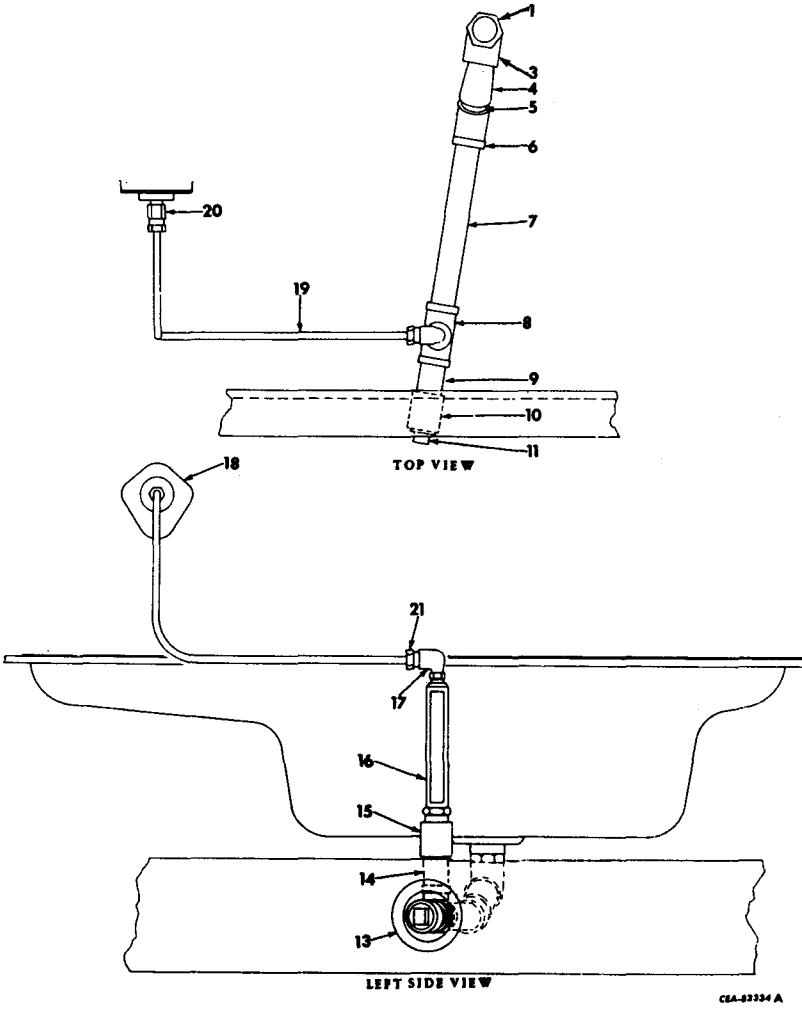
OIL LEVEL SIGHT GAUGE
(Used with Flo-matic Valve Attachment)

OIL LEVEL SIGHT GAUGE - Continued
(Used with Flo-matic Valve Attachment)



REF. NO.	PART NUMBER	DESCRIPTION
	332 471 R92	ATTACHMENT, oil level sight gauge (for use on natural gas, liquefied petroleum gas and combination gas or gasoline engines) (for use with Flo-Matic Valve Attachment)(See NOTES 1 and 3)
1	702 598 C1	ELBOW, adjustable (will work for BOLT, 332 174 R1 and UNION, 332 173 R1)
3	261 505 R1	WIRE, bulk lokcing (16 ga.)(customer must specify length required)
4	137 894	ELBOW, 1/2" x 45° street
5	144 610	NIPPLE, 1/2 x 1-3/8" pipe
6	119 094	ELBOW, 1/2 x 45° pipe
7	187 249	NIPPLE, 1/2 x 7" pipe
8	143 166	TEE, 1/2 x 1/2 x 3/8" pipe
9	140 537	NIPPLE, 1/2 x 2" pipe
10	187 397	COUPLING, 1/2" pipe
11	444 587	PLUG, 1/2" pipe
13	317 623 R1	GROMMET
14	173 001	NIPPLE, 3/8 x 1-3/4" pipe UC221 501 to UC263 501 to
14	120 278	NIPPLE, 3/8 x 2" pipe UC221 501 Up UC263 501 Up
15	120 755	COUPLING, 3/8" pipe
16	279 689 R91	GAUGE, oil level sight

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

REF. NO.	PART NUMBER	DESCRIPTION
		OIL LEVEL SIGHT GAUGE - Continued (Used with Flo-matic Valve Attachment)
17	30 402 D	ELBOW, vent tube
18	312 948 R1	COVER, fuel pump pad
19	995 061 R1	TUBE, vent (19-1/2" long, copper 1/4" OD (#)
20	59 730 H	CONNECTOR, vent tube
21	19 984 R1	NUT, 1/4" (2)
	3 405 H	GASKET, oil pan drain (used with BOLT, 332 174 R1 and UNION 332 173 R1) (2)

(#) - Part Number and Price Covers One Foot of Tubing. Furnished Only in 50 Foot Rolls.

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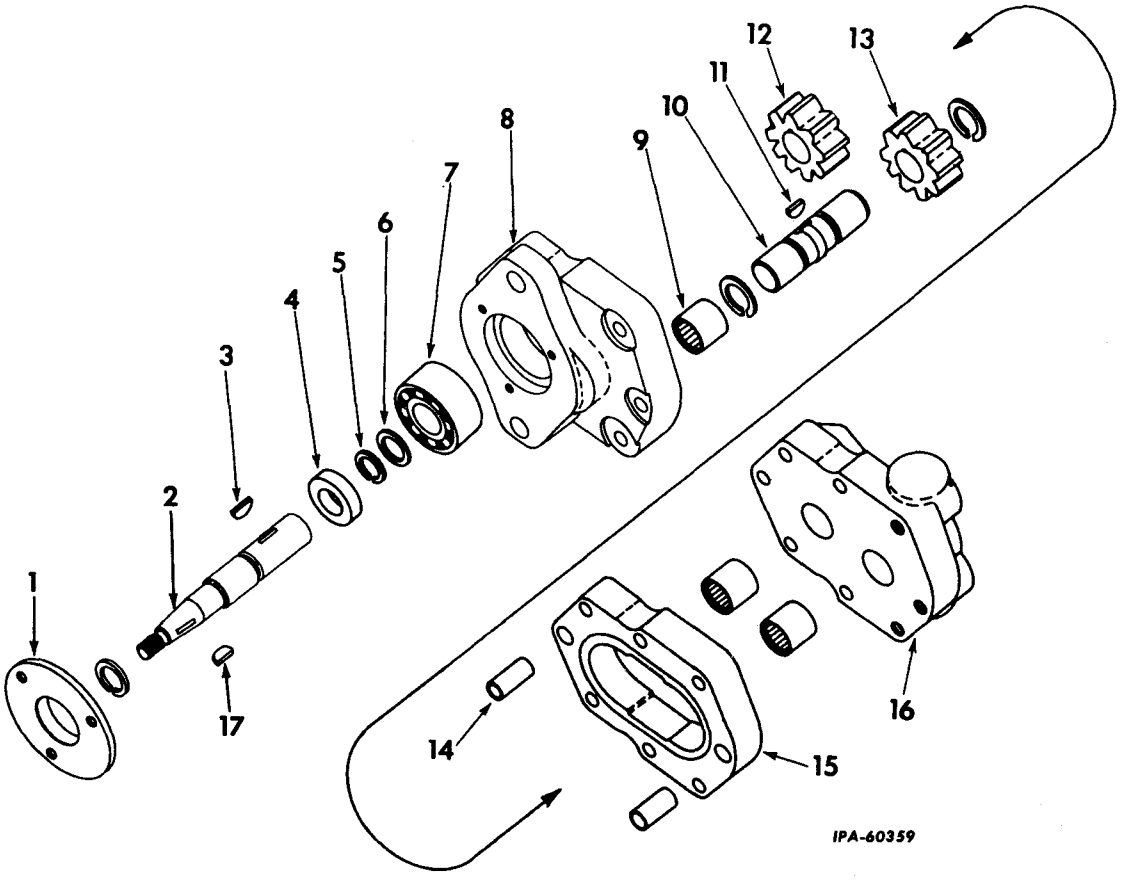
HYDRAULIC PUMP
(Webster Electric)



REF. NO.	PART NUMBER	DESCRIPTION
A	588 371 R92	PUMP, hydraulic (15 G. P. M.)
B	317 528 R91	PUMP, hydraulic (18 G. P. M.)
C	588 368 R91	PUMP, hydraulic (7 G. P. M.)
D	588 370 R91	PUMP, hydraulic (11 G. P. M.)
1	588 394 R1	PLATE, pilot SCREW, No. 10 x 5/8" f-hd mach. (3)
2	588 389 R1	SHAFT, drive (Unit C)
2	588 397 R1	SHAFT, drive (Unit D)
2	588 396 R1	SHAFT, drive (Unit A)
2	303 494 R1	SHAFT, drive (Unit B)
3	103 646	KEY, 1/8 x 3/4" (Units A, B and D)
3	427 261	KEY, 1/8 x 3/8" (Unit C)
4	586 201 R91	OIL SEAL
5	188 287 R1	RING, retaining (4)
6	276 569 R1	WASHER, 49/64 x 59/64 x .030" flat (2)
7	8 521 T	BEARING, ball

HYDRAULIC PUMP - Continued
(Webster Electric)

REF. NO.	PART NUMBER	DESCRIPTION
8	588 391 R1	BODY, pump (Units A, C and D) SCREW, 1/4 x 2" hex hd cap (2) SCREW, 1/4 x 2-1/4" hex hd cap (Unit A and D) SCREW, 5/16 x 1-5/8" hex hd cap (2 for Unit C) WASHER, 1/4" lock WASHER, 5/16" lock (2)
8	303 495 R91	BODY w/BEARING, 276 574 R91 pump (Unit B) SCREW, 1/4 x 2" hex hd cap SCREW, 5/16 x 2" hex hd cap (2) WASHER, 1/4" lock WASHER, 5/16" lock (2)
9	276 574 R91	BEARING, needle (3)
10	303 100 R1	SHAFT, idler (Unit B)
10	572 082 R1	SHAFT, idler (Unit D)
10	572 964 R1	SHAFT, idler (Unit C)
10	573 661 R1	SHAFT, idler (Unit A)
11	427 261	KEY, 1/8 x 3/8"
12	276 579 R1	GEAR, drive (8 T) (Unit D)
12	303 102 R1	GEAR, drive (8 T) (Unit B)
12	572 959 R1	GEAR, drive (8 T) (Unit C)

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC PUMP - Continued (Webster Electric)
12	573 693 R1	GEAR, drive (8 T) (Unit A)
13	276 570 R1	GEAR, idler (8 T) (Unit D)
13	303 074 R1	GEAR, idler (8 T) (Unit B)
13	572 960 R1	GEAR, idler (8 T) (Unit C)
13	573 694 R1	GEAR, idler (8 T) (Unit A)
14	573 655 R1	PIN, dowel (2 for Unit D)
14	303 073 R1	PIN, dowel (2 for Unit B)
14	572 937 R1	PIN, dowel (2 for Unit C)
14	573 657 R1	PIN, dowel (2 for Unit A)
15	303 072 R1	PLATE, gear (Unit B)
15	588 388 R1	PLATE, gear (Unit C)
15	588 393 R1	PLATE, gear (Unit A)
15	588 395 R1	PLATE, gear (Unit D)
16	317 670 R91	COVER w/two BEARING, 276 574 R91 pump (Unit B) SCREW, 1/4 x 2-1/2" hex hd cap SCREW, 5/16 x 2-1/4" hex hd cap (4) WASHER, 1/4" lock WASHER, 5/16" lock (4)
16	588 392 R1	COVER, pump (Units A, C and D) SCREW, 1/4 x 2" hex hd cap SCREW, 1/4 x 2-1/4" hex hd cap SCREW, 5/16 x 1-5/8" hex hd cap (4 for Unit C) SCREW, 5/16 x 2" hex hd cap (4 for Units A and D) WASHER, 1/4" lock WASHER, 5/16" lock (4)
17	124 548	KEY, 5/32 x 3/4"
	364 145 R1	"O" RING, 2-1/8 x 2-5/16 x 3/32"

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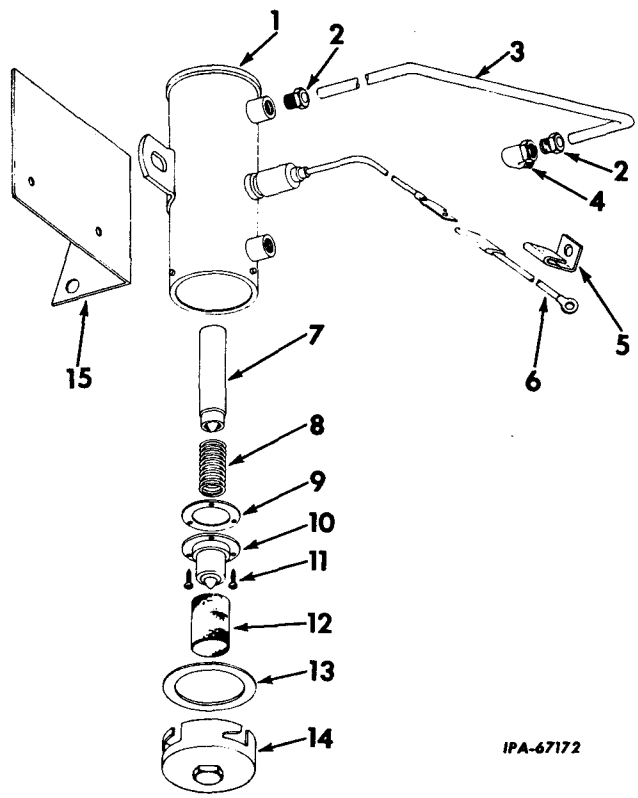
ELECTRIC FUEL TRANSFER PUMP
(12 Volt) (Eclipse Bendix)
(Used with Hydraulic Pump)



REF. NO.	PART NUMBER	DESCRIPTION
	316 151 R91	ATTACHMENT, electric fuel pump (See NOTES 1 and 3)
	631 259 R91	PUMP ASSY, electric fuel transfer (Composed of - § 1 BODY; 1 COVER 936 492 R91; 1 CUP 317 965 R91; 1 GASKET 317 962 R1; 1 GASKET 317 964 R1; 1 PLUNGER 317 967 R91; 1 SCREEN 317 963 R1; 3 SCREW 19 714 R1; 1 SPRING 936 493 R1) NUT, 1/4" (2) SCREW, 1/4 x 5/8" hex hd cap (2) WASHER, 1/4" lock
1		BODY (order 317 696 R91)
2	369 989 R1	NUT, carburetor to pump tube (3)
3	316 159 R11	TUBE w/two NUT, 369 989 R1, carburetor to pump
4	24 847 H	ELBOW, carburetor to pump tube
5	263 515 R91	CLIP, cable (on oil pan bolt)
6	267 806 R91	CABLE, fuel pump
7	317 967 R91	PLUNGER, pump
8	936 493 R1	SPRING, plunger
9	317 964 R1	GASKET, spring cup

ELECTRIC FUEL TRANSFER PUMP - Continued
(12 Volt) (Eclipse Bendix)
(Used with Hydraulic Pump)

REF. NO.	PART NUMBER	DESCRIPTION
10	317 965 R91	CUP, plunger
11	19 714 R1	SCREW, No. 4 x 1/4" pan hd (3)
12	317 963 R1	SCREEN, filter
13	317 962 R1	GASKET, sediment cover
14	936 492 R91	COVER w/GASKET, 317 962 R1
15	316 158 R1	BRACKET, pump mounting

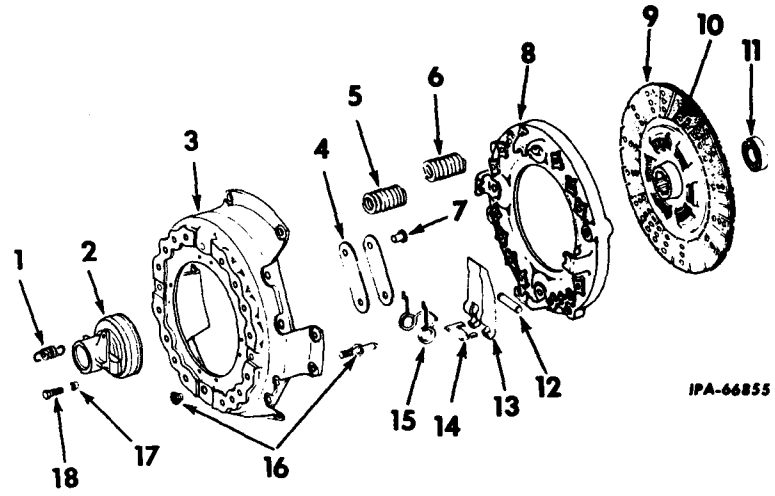
§ - Not Furnished Separately

NOTE 1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

REF. NO.	PART NUMBER	DESCRIPTION
		CLUTCH (BORG AND BECK) AND CONTROLS
	312 837 R91	ATTACHMENT, clutch and controls (See NOTES 1 and 3)
1	57 287 D	SPRING, clutch release sleeve return
2	267 814 R91	SLEEVE, clutch release
3	317 533 R91	COVER w/four RIVET, 317 535 R1 and eight STRAP, 317 534 R1
4	317 534 R1	STRAP, driving (8)
5	317 542 R1	SPRING (8)
6	317 541 R1	SPRING (8)
7	317 535 R1	RIVET, driving strap (4)
8	317 543 R1	PLATE, pressure
9	313 771 R91	MEMBER w/FACING, 317 546 R91 driven
10	317 546 R91	PACKAGE, facing
11	ST 208 B	BEARING, clutch pilot ball
12	317 538 R1	PIN, eyebolt (4)
13	317 540 R1	LEVER, release (4)
14	317 539 R1	STRUT, release lever (4)
15	317 536 R1	SPRING, anti-rattle (4)
16	317 537 R91	EYEBOLT, and NUT (4)
17	317 545 R1	FERRULE, driving strap (4)
18	317 544 R1	SCREW, driving strap (4)

CLUTCH (BORG AND BECK) AND CONTROLS - Continued



313 772 R91	COVER, clutch (Composed of -	
	1 COVER and STRAP	317 533 R91
	4 EYEBOLT and NUT	317 537 R91
	4 FERRULE	317 545 R1
	4 LEVER	317 540 R1
	4 PIN	317 538 R1
	1 PLATE	317 543 R1
	4 SCREW	317 544 R1
	4 SPRING	317 536 R1
	8 SPRING	317 541 R1
	8 SPRING	317 542 R1
	4 STRUT	317 539 R1)
73 092 R2	SCREW, clutch cover mounting (8) WASHER, 3/8" lock (8)	

NOTE1 - Factory Application - Order On Machine Order Form.

NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

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REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION ATTACHMENTS		
	312 838 R91	ATTACHMENT, transmission (four speed sliding gear) (See NOTES 1 and 3) (Consists of all parts listed under "TRANSMISSION (four Speed Sliding Gear)(Warner)") (for use with 12" spring loaded clutch and controls ATTACHMENT, 312 837 R91 and FLYWHEEL, 312 563 R91) (UC-221)

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION ATTACHMENTS - Continued		
	312 839 R91	ATTACHMENT, transmission (four speed synchromesh) (See NOTES 1 and 3)(Consists of all parts listed under "TRANSMISSION (four Speed Synchromesh)(Warner)") (For use with 12" spring loaded clutch and controls ATTACHMENT, 312 837 R91 and FLYWHEEL, 312 563 R91)

NOTE 1 - Factory Application - Order On Machine Order Form.

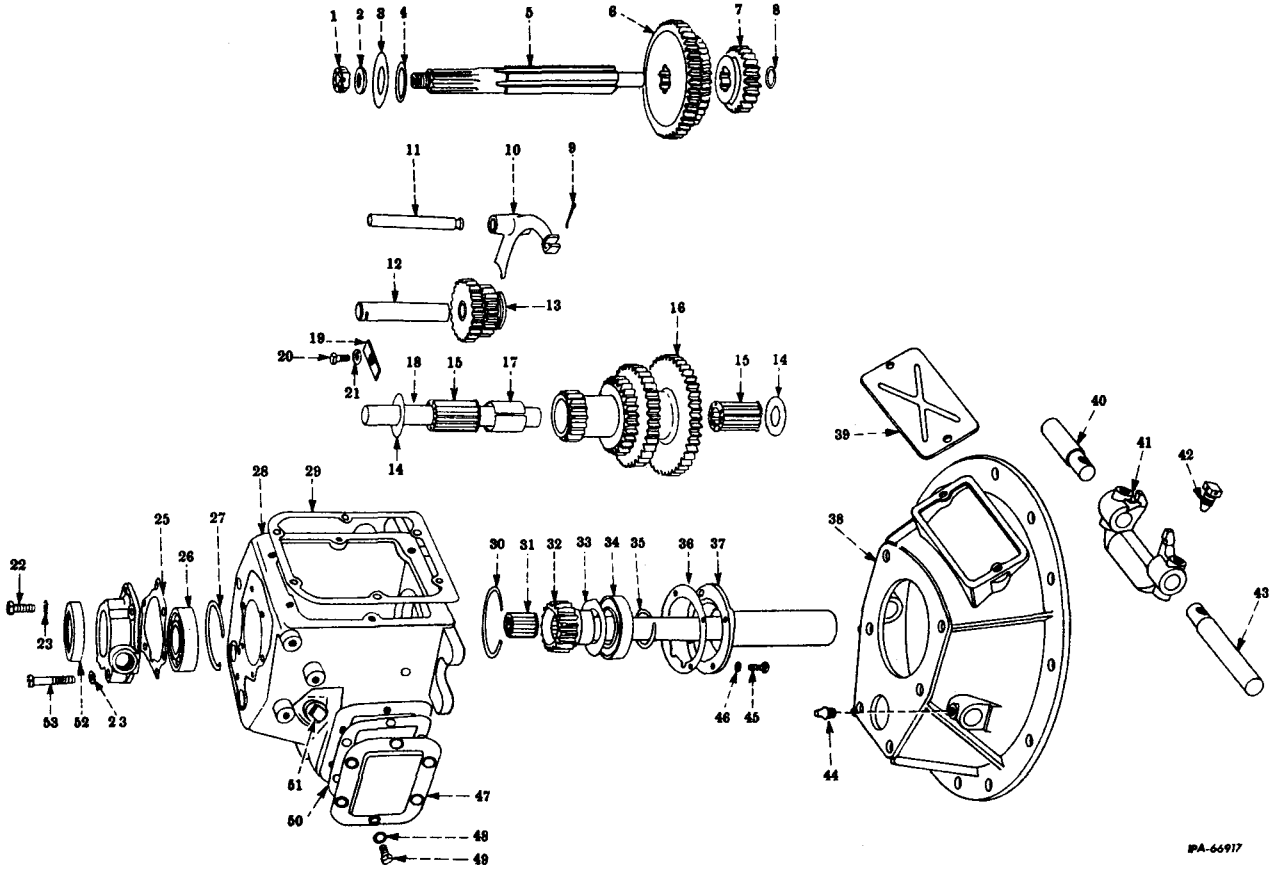
NOTE 3 - Field Application - Order Through Regular Service Parts Channels.

TRANSMISSION
(Four Speed Sliding Gear) (Warner)

TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS

TRANSMISSION - Continued
(Four Speed Sliding Gear) (Warner)

TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS - Continued



	313 740 R91	TRANSMISSION ASSY (part of ATTACHMENT, 312 838 R91)
		SCREW, 3/8 x 1-1/8" hex hd cap (12)
		WASHER, 3/8" lock (12)
1	106 058 H	NUT, main shaft
2	60 192 H	WASHER, companion flange
3	27 090 H	WASHER, mainshaft rear bearing oil
4	27 088 H	WASHER, mainshaft rear bearing thrust
5	27 069 HB	SHAFT, main
6	72 975 H	GEAR, mainshaft first and second

REF. NO.	PART NUMBER	DESCRIPTION
		TRANSMISSION - Continued (Four Speed Sliding Gear) (Warner)
		TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS - Continued
7	62 899 H	GEAR, mainshaft third and direct
8	27 087 H	RING, mainshaft pilot bearing spacer
9		PIN, 1/8 x 1-1/4" cotter
10	27 118 H	FORK, reverse speed shift
11	27 083 H	RAILS, reverse speed shift fork
12	27 079 H	SHAFT, reverse idler gear
13	62 902 H	GEAR, reverse idler
14	95 854 H	WASHER, countershaft gear thrust (2)
15	23 172 H	BEARING, countershaft gear roller (2)
16	72 976 H	GEAR, countershaft
17	27 091 H	SPACER, countershaft gear bearing
18	27 069 H	SHAFT, counter
19	27 082 H	PLATE, reverse idler gear and countershaft lock
20		SCREW, 3/8 x 3/4" hex hd cap
21		WASHER, 3/8" lock
22		SCREW, 3/8 x 1" hex hd cap (4)
23		WASHER, 3/8" lock (5)
24	321 811 R1	RETAINER, mainshaft rear bearing
25	27 116 HA	GASKET, mainshaft rear bearing retainer
26	ST 200	BEARING, mainshaft rear
27	27 073 H	RING, mainshaft rear bearing snap
28	317 659 R1	CASE, transmission
29	27 122 H	GASKET, control lever mounting
30	27 071 H	RING, main drive gear bearing snap (inner)
31	27 009 H	BEARING, mainshaft pilot roller
32	317 663 R1	GEAR, main drive
33	27 089 H	WASHER, main drive gear oil retainer
34	ST 201	BEARING, main drive gear
35	27 086 H	RING, main drive gear bearing snap (outer)
36	27 110 H	GASKET, main drive gear bearing retainer
37	317 662 R1	RETAINER, main drive gear bearing
38	317 666 R1	HOUSING, clutch
39	317 634 R1	COVER, hand hole SCREW, 5/16 x 5/8" fil hd (2) WASHER, 5/16" lock (2)

REF. NO.	PART NUMBER	DESCRIPTION
		TRANSMISSION - Continued (Four Speed Sliding Gear) (Warner)
		TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS - Continued
40	317 635 R1	SHAFT, throw out (short)
41	317 637 R1	YOKE, throw out
42	317 638 R1	SCREW, lock
43	317 636 R1	SHAFT, throw out (long)
44	271 285	FITTING, 1/8" x 90° lubrication (optional with 109 462) (2) (not part of Transmission, 313 740 R91)
44	109 462	FITTING, 1/8" x 90° lubrication (optional with 271 285) (2) (not part of Transmission, 313 740 R91)
45		SCREW, 5/16 x 3/4" hex hd cap (4)
46		WASHER, 5/16" external lock (4)
47	23 045 H	COVER, power take-off opening
48		WASHER, 3/8" lock (6)
49		SCREW, 3/8 x 3/4" hex hd cap (6)
50	111 082 R1	GASKET, power take-off opening cover
51	143 968	PLUG, 3/4" sq. soc. pipe (cd-pltd)
52	382 868 C91	OIL SEAL, mainshaft
53		SCREW, 3/8 x 2" hex hd cap
	115 617 H	BOLT, 3/8 x 3/4" (3)
	2 750 059 R1	DECALCOMANIA, shifting diagram (not part of Transmission, 313 740 R91)
		SCREW, 1/2 x 1-1/4" hex hd cap (6) WASHER, 1/2" lock (6)

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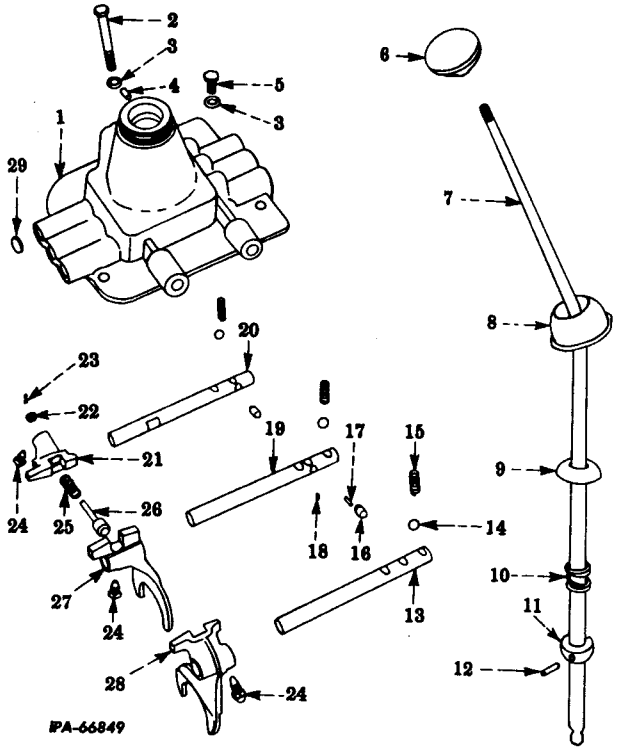
TRANSMISSION - Continued
(Four Speed Sliding Gear)(Warner)

TRANSMISSION CONTROL HOUSING AND LEVER



REF. NO.	PART NUMBER	DESCRIPTION
1	317 665 R1	HOUSING, control lever
2		SCREW, 3/8 x 2-7/8" hex hd cap
3		WASHER, 3/8" lock (6)
4	27 085 HA	PIN, control lever locating
5		SCREW, 3/8 x 7/8" hex hd cap (5)
6	16 780 H	BALL, control lever hand
7	82 717 R11	LEVER, control
8	72 218 H	CAP, control lever
9	72 219 H	WASHER, control lever spring
10	27 098 HA	SPRING, control lever
11	83 780 R1	BALL, fulcrum
12	113 163	PIN, fulcrum ball
13	27 119 HA	RAIL, shift (first and second)
14	16 012 R1	BALL, 3/8" shift bar poppet (3)
15	23 074 H	SPRING, shift bar poppet (3)
16	27 096 H	PLUNGER, shift bar interlock (2)
17	27 104 H	PIN, shift bar interlock plunger
18	27 105 H	STOP, shift bar interlock plunger pin
19	27 120 HAX	RAIL w/PIN, shift (third and direct)

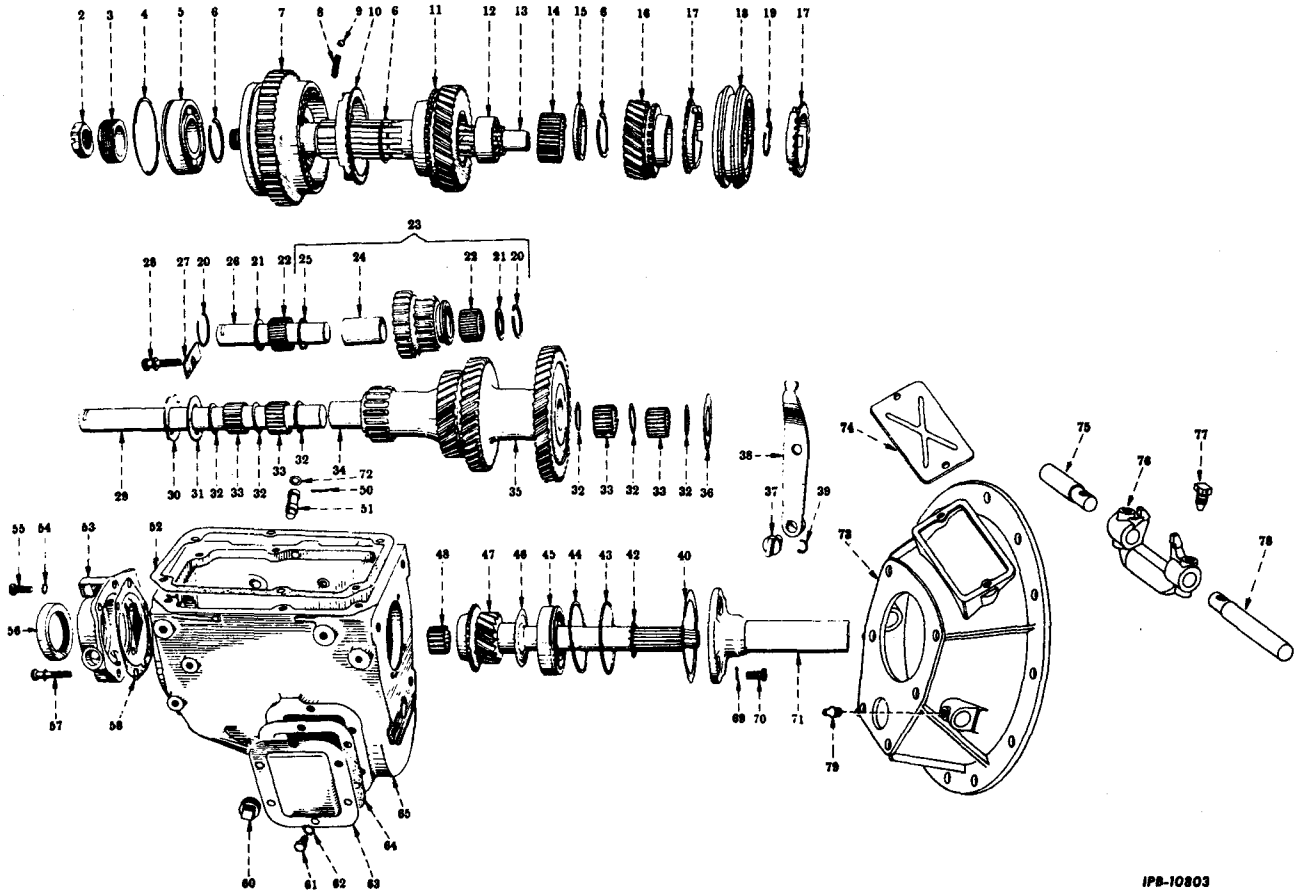
TRANSMISSION - Continued
(Four Speed Sliding Gear)(Warner)

TRANSMISSION CONTROL HOUSING AND LEVER - Continued

REF. NO.	PART NUMBER	DESCRIPTION
20	27 121 HA	RAIL, reverse shift
21	62 894 HB	END, reverse shift rail
22		NUT, 1/4"NF slt
23		PIN, 1/16 x 1/2" cotter
24	23 079 H	SCREW, shift fork set (3)
25	62 892 HC	SPRING, reverse shift end plunger
26	62 893 H	PLUNGER, reverse shift end
27	27 111 HA	FORK, shift (third and direct
28	27 112 HA	FORK, shift (first and second
29	103 892	PLUG, expansion (3)
	14 189 H	PLUG, speedometer opening (not part of Transmission, 313 740 R91)

TRANSMISSION - Continued
(Four Speed Synchromesh) (Warner)

TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS



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REF. NO.	PART NUMBER	DESCRIPTION
	313 739 R91	TRANSMISSSION ASSY (with CONTROL HOUSING (part of ATTACHMENT, 312 839 R91) SCREW, 3/8 x 1-1/8" hex hd cap (12) WASHER, 3/8" lock (12)
2	59 585 R1	NUT, mainshaft
3	317 627 R1	SPACER, speedometer drive gear
4	77 945 R1	RING, mainshaft snap
5	ST 236	BEARING, main drive gear
6	71 843 R1	RING, mainshaft second speed gear snap
7	82 092 R91	SYNCHRONIZER, low and second speed
8	73 298 R1	SPRING, low and second speed synchronizer (3)
9	16 012 R1	BALL, 3/8" low and second speed synchronizer (3)
10	71 847 R1	RING, second speed synchronizer blocking
11	154 075 R1	GEAR, mainshaft second speed

TRANSMISSION - Continued
(Four Speed Synchromesh) (Warner)

TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS - Continued

REF. NO.	PART NUMBER	DESCRIPTION
12	82 079 R1	SPACER, mainshaft second speed gear
13	71 834 R2	SHAFT, main
14	71 846 R1	ROLLER, mainshaft second speed bearing (34)
15	71 842 R1	WASHER, mainshaft second speed gear thrust
16	154 076 R11	GEAR w/BUSHING, 72 202 R1, mainshaft third speed
17	71 840 R1	RING, third and high speed synchronizer blocking (2)
18	71 835 R91	SYNCHRONIZER, mainshaft third and high speed clutch
19	71 841 R1	RING, third and high speed synchronizer hub snap
20	91 092 R1	RING, reverse idler gear snap (2)
21	91 091 R1	WASHER, reverse idler gear thrust (2)
22	91 094 R1	ROLLER, reverse idler gear bearing (74)
23	91 089 R11	GEAR ASSY, reverse idler

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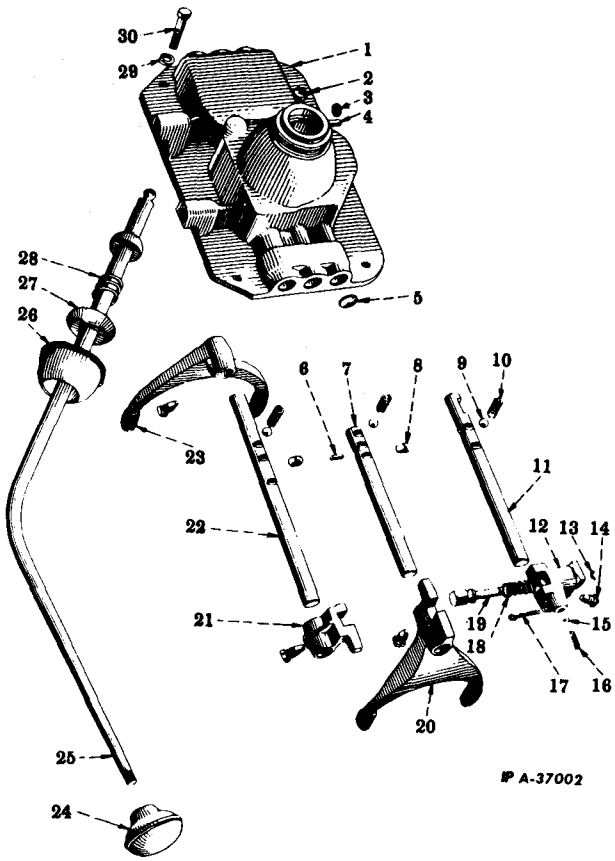
REF. NO.	PART NUMBER	DESCRIPTION
		TRANSMISSION - Continued (Four Speed Synchromesh) (Warner)
		TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS - Continued
24	91 095 R1	SLEEVE, reverse idler gear bearing
25	91 093 R1	SPACER, reverse idler gear bearing
26	59 423 R1	SHAFT, reverse idler gear
27	317 628 R1	PLATE, countershaft reverse idler gear shift lock
28		SCREW, 3/8 x 3/4" hex hd cap (2)
		WASHER, 3/8" lock (2)
29	71 860 R1	COUNTERSHAFT
30	71 859 R1	WASHER, countershaft rear thrust (outer)
31	154 078 R1	WASHER, countershaft rear thrust (inner)
32	59 572 R1	WASHER, countershaft bearing spacer (6)
33	59 574 R1	ROLLER, countershaft gear bearing (88)
34	95 363 R1	SPACER, countershaft gear bearing
35	154 077 R1	GEAR, countershaft
36	71 857 R1	WASHER, countershaft thrust
37	91 090 R1	SHOE, reverse shifting
38	147 922 R1	ARM, reverse shifting
39	82 084 R1	WASHER, "C" shifting shoe
40		GASKET, main drive gear bearing retainer
	77 946 R1	.009" thick
	77 947 R1	.0135" thick
	77 948 R1	.018" thick
	77 949 R1	.0225" thick
42		RING, drive gear bearing snap (small)
	137 244 R1	.117" thick
	137 245 R1	.120" thick
	137 246 R1	.123" thick
	137 247 R1	.127" thick
43	77 945 R1	RING, main drive gear bearing snap (large)
44	82 076 R1	RING, main drive gear bearing spacer
45	ST 236	BEARING, main drive gear ball
46	80 175 R1	BAFFLE, main drive gear oil
47	619 522 C1	GEAR, main drive
48	59 579 R1	ROLLER, mainshaft bearing (16)
50	103 565	PIN, reverse shifting arm screw
51	147 921 R1	PIN, reverse shifting arm pivot
52	71 855 R1	GASKET, control lever housing
53	80 224 R11	RETAINER w/SLEEVE, 26 905 H
54		WASHER, 3/8" external lock (5)

REF. NO.	PART NUMBER	DESCRIPTION
		TRANSMISSION - Continued (Four Speed Synchromesh) (Warner)
		TRANSMISSION CASE, GEARS, CLUTCH HOUSING AND RELATED PARTS - Continued
55		SCREW, 3/8 x 1" hex hd cap (4)
56	59 586 R91	OIL SEAL, mainshaft
57		SCREW, 3/8 x 2" hex hd cap
58		GASKET, mainshaft rear bearing retainer
	80 225 R1	.010" thick
	80 226 R1	.015" thick
	80 227 R1	.020" thick
	80 228 R1	.025" thick
60	20 969 R1	PLUG, 3/4" sq.hd pipe (Steel) (optional with 219 301) (2)
60	219 301	PLUG, 3/4" sq hd pipe (malleable iron) (optional with 20 969 R1)
61		SCREW, 3/8 x 5/8" hex hd cap (6)
62		WASHER, 3/8" external lock (6)
63	23 045 H	COVER, power take-off opening
64	111 082 R1	GASKET, power take-off opening cover
65	317 626 R1	CASE, transmission
69		WASHER, 5/16" external lock (4)
70		SCREW, 5/16 x 7/8" hex hd cap (4)
71	317 631 R1	RETAINER, main drive gear bearing
72	147 920 R1	OIL SEAL, pivot pin
73	317 633 R1	HOUSING,clutch
74	317 634 R1	COVER, hand hole
		SCREW, 5/16 x 5/8" fil hd (2)
		WASHER, 5/16" lock (2)
75	317 635 R1	SHAFT, throwout (short)
76	317 637 R1	YOKE, throwout
77	317 638 R1	SCREW, lock (2)
78	317 636 R1	SHAFT, throwout (long)
79	271 285	FITTING, 1/8 x 90° lubrication (optional with 109 462) (2) (not part of Transmission ASSY, 313 739 R91)
79	109 462	FITTING, 1/8 x 90° lubrication (optional with 271 285) (2) (not part of Transmission ASSY, 313 739 R91)
	115 617 H	BOLT, 3/8 x 3/4" (2)
	72 202 R1	BUSHING, mainshaft third speed gear
	2 751 156 R1	DECALCOMANIA, shifting diagram (not part of Transmission ASSY, 313 739 R91)
	82 082 R1	RING, shift plate retaining
		SCREW, 1/2 x 1-1/4" hex hd cap (6)
		WASHER, 1/2" lock (6)
	26 905 H	SLEEVE, speedometer drive gear

TRANSMISSION - Continued
(Four Speed Synchromesh) (Warner)

TRANSMISSION CONTROL HOUSING AND LEVER



REF. NO.	PART NUMBER	DESCRIPTION
1	71 877 R1	HOUSING, control lever
2	82 075 R91	BREATHER
3		NOT USED
4	103 736	PIN, control housing
5	103 892	PLUG, expansion (6)
6	59 412 R1	PIN, shift bar interlock plunger
7	71 879 R1	RAIL, third and direct speed shift
8	27 096 H	PLUNGER, shift bar interlock (2)
9	16 012 R1	BALL, 3/8" shift bar poppet (3)
10	23 074 H	SPRING, shift bar poppet (3)
11	71 884 R1	RAIL, reverse speed shaft
12	82 090 R1	END, reverse speed shift
13	82 083 R1	WASHER, "C" reverse speed plunger
14	23 079 H	SCREW, shift fork set (4)
15	16 008 R1	BALL, 1/4" reverse speed shift end plunger poppet

TRANSMISSION - Continued
(Four Speed Synchromesh) (Warner)

TRANSMISSION CONTROL HOUSING AND LEVER - Continued

REF. NO.	PART NUMBER	DESCRIPTION
16	82 077 R1	SPRING, reverse speed shift end plunger poppet
17		PIN, 1/8 x 1" cotter
18	62 892 HC	SPRING, reverse speed shift end plunger
19	82 086 R1	PLUNGER, reverse speed shift end
20	71 881 R1	FORK, third and direct speed shift
21	71 883 R1	END, low and second speed shift
22	71 880 R1	RAIL, low and second speed shift
23	71 882 R1	FORK, low and second speed shift
24	16 780 H	BALL, control lever
25	317 623 R1	LEVER, control
26	82 078 R1	CAP, control housing
27	82 192 R1	WASHER, control lever spring
28	27 098 HA	SPRING, control lever
29		WASHER, 3/8" lock (6)
30		SCREW, 3/8 x 7/8" hex hd cap (6)
	83 780 R1	BALL, fulcrum
	14 189 H	PLUG, speedometer opening (not part of transmission ASSY, 313 739 R91)

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NEW AND DISPLACED PARTS LIST

NOTE: This list is prepared to assist distributor parts personnel in keeping their inventory records current.

The information on this sheet will not be covered in future revisions, so you may want to retain this copy. Future revisions will include new and displaced parts information for that revision only.

New and displaced parts listed below are new and displaced parts for applications shown on pages listed for this machine, not necessarily new and displaced for other applications for this machine or in the IH system.

The following is a list of new and displaced parts for the Model UC-221 & UC-263 Parts Catalog, Form PU-52D Rev. No. 4 released since PU-52C Rev. No. 3 dated April 1967.

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* - For ordering procedure for displaced part shown, refer to this catalog.

- Detail parts for this assembly or attachment are all new and are listed on the page shown in this revision.

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