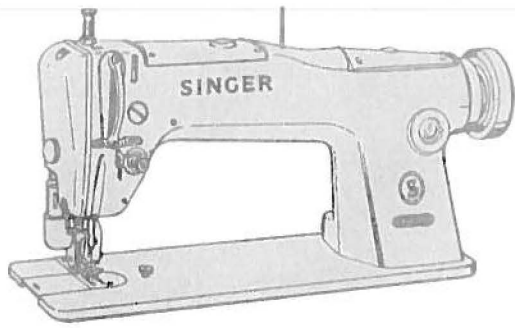
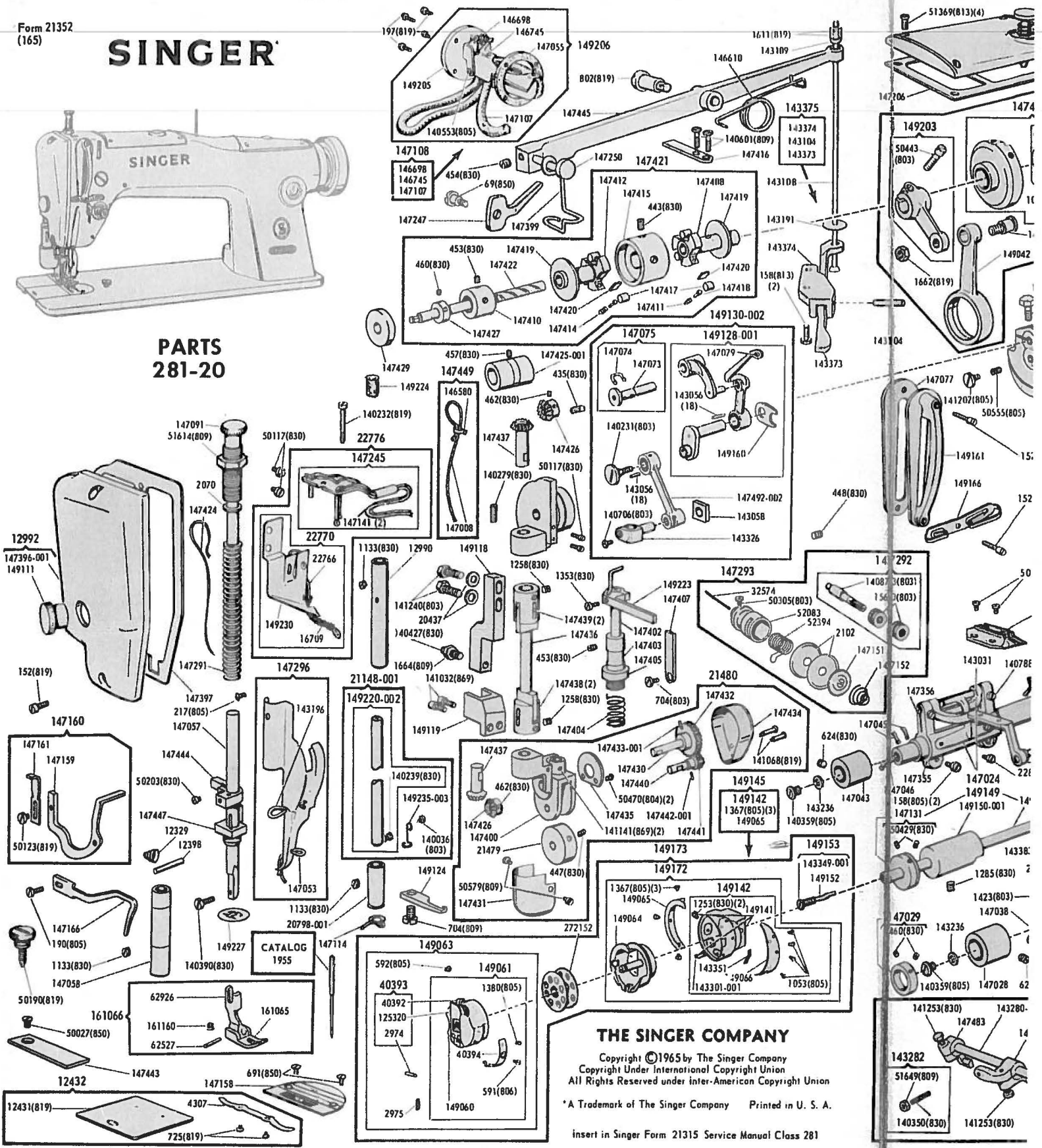


SINGER



PARTS 281-20



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Insert in Singer Form 21315 Service Manual Class 281

NUMERICAL LIST OF PARTS FOR 281-20 MACHINE

NUMBER DESCRIPTION

NUMBER DESCRIPTION

NUMBER DESCRIPTION

69(850) Presser Bar Lifter Hinge Screw
 144(804) Arm Shaft (horizontal) Screw (back)
 152(819) Thread Take-up Lever Guard and Thread Eyelet and Thread Guard Screw (front of arm)
 152(819) Face Plate Screw(2)
 152(819) Thread Take-up Lever Guard Screw
 157(805) Oil Pump (centrifugal) Body Screw(2)
 157(805) Magnet Retaining Clamp and Oil Pump (centrifugal) Body Screw
 158(813) Bell Crank Bracket Screw(2)
 158(805) Feed Bar Carrier Clamping Screw(2)
 189(805) Oil Pump (centrifugal) Screen Frame Screw(4)
 190(805) Slack Thread Regulator Screw
 197(819) Oil Removing Wick (head end) Hinge Plate and Cover Screw(4)
 207(805) Arm Shaft (horizontal) Flanged Bushing (back) Oil Sump Tube Holder Screw
 217(805) Thread Take-up Lever Oil Guard Screw
 228(805) Feed Bar Carrier Oil Wick Holder Screw(2)
 233(805) Rotating Hook Oil Flow Regulating Thumb Screw Spring Screw
 435(830) Thread Take-up Link Hinge Stud Set Screw
 435(830) Arm Shaft (horizontal) Flanged Bushing (front) Set Screw
 443(830) Feed Roll Clutch Body Set Screw(2)
 447(830) Feed Roll Set Screw
 448(830) Thread Take-up Spring Regulator Set Screw
 453(830) Feed Roll Bracket Shaft Bushing Set Screw
 453(830) Feed Roll Clutch (bracket) Bushing Set Screw(2)
 454(830) Presser Bar and Feed Roll Lifting Lever Pin Set Screw
 457(830) Feed Roll Clutch Shaft Arm Bushing (rear) Set Screw
 460(830) Feed Roll Clutch Shaft Collar Set Screw(2)
 460(830) Feed Rock Shaft Collar Set Screw(2)
 460(830) Feed Lifting Rock Shaft Collar Set Screw(4)
 462(830) Feed Roll Driving Shaft (horizontal) Bevel Gear Set Screw(2)
 462(830) Feed Roll Clutch Shaft Bevel Gear Set Screw(2)
 591(806) Rotating Hook Bobbin Case Tension Regulating Screw
 592(805) Rotating Hook Bobbin Case Latch Stop Screw
 624(830) Thread Retainer Set Screw
 624(830) Feed Rock Shaft Bushing (back) Set Screw
 624(830) Feed Lifting Rock Shaft Bushing (back) Set Screw
 624(830) Feed Rock Shaft Bushing (front) Set Screw
 624(830) Feed Lifting Rock Shaft Bushing (front) Set Screw

624(830) Arm Shaft (horizontal) Thrust Collar Set Screw(2)
 691(850) Throat Plate Screw(2)
 704(809) Rotating Hook Bobbin Case Holder Position Bracket Screw
 704(803) Feed Roll Bracket Shaft Guide Bracket Holder Screw
 725(819) Bed Slide Spring Screw(2)
 802(819) Presser Bar and Feed Roll Lifting Lever Hinge Screw
 1036(830) Thread Take-up Crank Set Screw
 1036(830) Feed Eccentric Body Set Screw(2)
 1036(830) Feed Roll Eccentric Set Screw(3)
 1053(805) Rotating Hook Thread Guard Screw(4)
 1133(830) Needle Bar Bushing (upper) Set Screw
 1133(805) Presser Bar Bushing (lower) Set Screw
 1133(830) Needle Bar Bushing (lower) Set Screw
 1253(830) Rotating Hook Set Screw(2)
 1258(830) Feed Roll Driving Shaft (upright) Driving Collar Set Screw(4)
 1259(830) Arm Shaft (upright) Bevel Gear (lower) Set Screw(2)
 1259(830) Arm Shaft (upright) Bevel Gear (upper) Set Screw(2)
 1259(830) Feed Roll Feed Regulator Locking Slide Ratchet Wheel Retaining Collar Set Screw(2)
 1259(830) Feed Lifting Eccentric Set Screw
 1259(830) Rotating Hook Shaft Bevel Gear Set Screw(2)
 1285(830) Rotating Hook Shaft Bushing (back) Set Screw
 1285(830) Rotating Hook Shaft Bushing (front) Set Screw
 1353(830) Feed Roll Bracket Shaft Guide Bracket Clamping Screw
 1367(805) Rotating Hook Section Screw(3)
 1375(830) Feed Eccentric Body Position Screw
 1380(805) Rotating Hook Bobbin Case Tension Spring Screw
 1423(803) Feed Bar Connecting Link Cap Screw(2)
 1518(809) Feed Lifting Rock Shaft Connecting Rod Hinge Screw Nut
 1518(809) Feed Rock Shaft Connecting Rod Hinge Screw Nut
 1560(803) Tension Regulating Thumb Nut
 1560(803) Tension Regulating Thumb Nut Lock Nut
 1611(819) Presser Bar and Feed Roll Lifting Lever Connecting Rod Nut
 1611(819) Presser Bar and Feed Roll Lifting Lever Connecting Rod Nut Lock Nut
 1662(819) Feed Roll Eccentric Connecting Rod Hinge Screw Nut
 1664(809) Feed Roll Guide Bar Adjusting Screw Nut
 2070 Presser Bar Spring Washer
 2102 Tension Disc(2)
 2974 Rotating Hook Bobbin Case Latch Lever Fulcrum Pin
 2975 Rotating Hook Bobbin Case Latch Spring
 4307 Bed Slide Spring
 8582 Arm Dowel Pin(2)

12329 Tension Releasing Lever Spring
 12398 Tension Releasing Lever Hinge Pin
 12431(819) Bed Slide
 12432 Bed Slide complete, Nos. 4307, 12431(819) and two 725(819)
 12990 Needle Bar Bushing (upper)
 12992 Face Plate 147396-001 with 149111
 12997 Feed Roll (rubber covered) with 447(830) Note: No. 12997 is furnished on order only
 13288 Arm Top Cover (front) Stitch Regulator Plunger Spring Stop Ring
 13288 Arm Top Cover (back) Stitch Regulator Plunger Stop Ring
 13300 Presser Bar (adjustable) complete, Nos. 14392, 14393 and 14190(869) Note: No. 13300 is furnished on order only
 13996 Feed Lifting Rock Shaft Oil Wick
 13996 Feed Rock Shaft Oil Wick
 14392 Presser Bar Note: No. 14392 is furnished on order only
 14393 Presser Foot Seat Note: No. 14393 furnished on order only
 16709 Arm Side Shield Wick Spring Holder
 20437 Feed Roll Guide Bar Screw Washer(2)
 20798-001 Needle Bar Bushing (lower)
 21148-001 Needle Bar (hollow) complete, Nos. 140036(803), 149220-002 and 149235-003
 21478 Feed Bar Connecting Link
 21479 Feed Roll (25 Pitch Diamond Knurl) with 447(830) Note: No. 21479 is furnished as regular to machine
 21480 Feed Roll Bracket complete, Nos. 21479, 147400, 147426, 147430, 147431, 147432, 147433-001, 147434, 147435, 147437, 147440, 147441, 147442-001 and two each 50470(804) 50579(809) and 141068(819)
 22557 Magnet (for removing iron particles from oil)
 22558 Magnet Retaining Clamp
 22559 Magnet Retaining Clamp 22558 with 22557
 22766 Arm Side Shield Wick (16 in. long)
 22770 Arm Side Shield complete, Nos. 16709, 22766 and 149230
 22776 Arm Side Shield and Oil Wick Holder, Nos. 22770 and 147245
 22834 Feed Dog (20 teeth to the inch), for use with 147158 and 161066
 22837 Feed Roll (32 rows of spiked teeth, 4 teeth to a row) with 447(830) Note: No. 22837 is furnished on order only
 32574 Tension Releasing Pin
 40392 Rotating Hook Bobbin Case Latch
 40393 Rotating Hook Bobbin Case Latch Hinge Nos. 2974, 40392 and 125320
 40394 Rotating Hook Bobbin Case Tension Spring
 50027(850) Feed Roll Plate Screw
 50117(830) Arm Side Shield Screw(2)

Numerical List of Parts for 281-20 Machine

NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
50117(830)	Feed Dog Screw(2)	140390(830)	Presser Foot Screw	143015	Arm Shaft (upright) Bevel Gear (upper) left hand spiral with two 1259(830) Note: To ensure proper functioning of Gears No. 143015 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 147476
50123(805)	Oil Pump (centrifugal) Impeller Locking Screw	140410(830)	Arm Shaft (upright) Bushing (lower) Set Screw	143016-001	Arm Shaft (upright) Bushing (lower)
50123(819)	Tension Releasing Lever (adjustable) Screw	140427(830)	Feed Roll Guide Bar Adjusting Screw	143024	Bed Hole Plug
50190(809)	Guide Thumb Screw	140542(830)	Feed Roll Crank Position Screw	143031	Feed Bar Carrier Oil Wick
50203(830)	Presser Bar Guide Bracket Clamping Screw	140549(805)	Stitch Regulator Locking Slide Spring Screw	143040	Feed Lifting Rock Shaft Connecting Rod
50257(819)	Oil Flow Window Cap Screw(4)	140549(805)	Feed Roll Feed Regulator Locking Slide Spring Screw	143049	Feed Rock Shaft Connecting Rod
50305(803)	Tension Stud Set Screw	140553(805)	Oil Removing Wick (head end) Holder Body Hinge Screw	143056	Needle Bar Connecting Link Roller Bearing(18)
50429(830)	Rotating Hook Shaft Oil Sling Set Screw(2)	140601(809)	Feed Roll Clutch Position Bracket Screw(2)	143056	Thread Take-up Lever Roller Bearing(18)
50443(830)	Feed Roll Clutch Shaft Driving Crank Clamping Screw	140607(819)	Arm Top Cover (back) Stitch Regulator Plunger Hole Plug Screw (for plugging the Plunger Hole when the Plunger is removed to prevent tampering with the Stitch Set)	143058	Needle Bar Connecting Stud Slide Block
50470(804)	Feed Roll Driving Shaft (horizontal) Spur Gear and Feed Roll Shaft Spur Gear Cover Plate Screw(2)	140607(819)	Arm Top Cover (front) Stitch Regulator Plunger Hole Plug Screw (for plugging the Plunger Hole when the Plunger is removed to prevent tampering with the Stitch Set)	143061	Oil Flow Body Gasket(2)
50504(830)	Arm Shaft (upright) Bushing (upper) Set Screw	140610(819)	Arm Oil Plug Screw	143062	Oil Flow Window
50555(805)	Arm Shaft (horizontal) Plug Screw(2)	140610(819)	Thread Take-up Crank Clamping Screw Hole Plug Screw	143063	Oil Flow Window Cap
50579(809)	Feed Roll Driving Shaft (horizontal) Bevel Gear Cover Screw(2)	140705(805)	Arm Screw (back)	143064	Oil Pipe
51283(830)	Machine Pulley Set Screw(2)	140706(803)	Needle Bar Connecting Stud Clamping Screw	143065	Oil Pipe Clamping Sleeve
51369(813)	Arm Top Cover (front) Screw(4)	140788(805)	Feed Bar Hinge Pin Clamping Screw(2)	143066	Oil Pipe Clamping Sleeve Nut
51369(805)	Oil Load Screw	140873(803)	Tension Stud	143070	Oil Pump (centrifugal) Body with 143126
51369(813)	Arm Top Cover (back) Screw(4)	140915(830)	Feed Lifting Rock Shaft Crank (front) Clamping Screw	143071	Oil Pump (centrifugal) Body Position Pin(2)
51614(809)	Pressure Regulating Thumb Screw Lock Nut	141032(869)	Feed Roll Guide Bracket Screw(2)	143072	Oil Pump (centrifugal) Cover
51649(809)	Knee Lifter Rock Shaft Crank Adjusting Screw Lock Nut	141068(819)	Feed Roll Driving Shaft (horizontal) Spur Gear and Feed Roll Shaft Spur Gear Cover Screw(2)	143073	Oil Pump (centrifugal) Impeller
52083	Thread Take-up Spring Regulator with 50305(803)	141141(869)	Feed Roll Bracket Shaft Set Screw(2)	143074	Oil Pump (centrifugal) Screen
52394	Thread Take-up Spring	141143(803)	Feed Roll Eccentric Connecting Rod Hinge Screw	143075	Oil Pump (centrifugal) Screen Frame
52454	Thread Retainer	141188(803)	Rotating Hook Oil Flow Regulating Thumb Screw	143081	Rotating Hook Shaft Bevel Gear (left hand spiral) with two 1259(830) Note: To ensure proper functioning of Gears No. 143081 will not be supplied separately to Agencies but will be substituted by Pair of Gears No. 143295
62527	Presser Foot Hinge Pin	141190(869)	Presser Foot Seat Adjusting Screw Note: No. 141190(869) is furnished on order only	143082-001	Rotating Hook Shaft Bushing (back)
62926	Presser Foot Shank	141201(805)	Arm and Bed Leg (back) Screw(2)	143085	Feed Roll Feed Regulator
64519	Arm Top Cover (front) Stitch Regulator Plunger Spring	141202(805)	Arm Shaft (horizontal) Screw Plug (front)	143085	Stitch Regulator
64519	Arm Top Cover (back) Stitch Regulator Plunger Spring	141208(830)	Thread Take-up Crank Clamping Screw	143086	Feed Roll Feed Regulator Locking Slide
125320	Rotating Hook Bobbin Case Latch Lever	141240(803)	Feed Roll Guide Bar Screw(2)	143086	Stitch Regulator Locking Slide
140036(803)	Needle Bar Thread Guard Screw	141253(830)	Knee Lifter Rock Shaft Crank Clamping Screw	143087	Feed Roll Feed Regulator Locking Slide Ratchet Wheel
140228(830)	Feed Lifting Rock Shaft Crank (back) Clamping Screw	141253(830)	Knee Lifter Rock Shaft Stop Dog Clamping Screw	143087	Stitch Regulator Locking Slide Ratchet Wheel
140228(830)	Feed Rock Shaft Crank Clamping Screw	143013	Arm Shaft (upright)	143088	Feed Roll Feed Regulator Locking Slide Ratchet Wheel Pin
140230(803)	Feed Lifting Rock Shaft Connecting Rod Hinge Screw	143014	Arm Shaft (upright) Bevel Gear (lower) right hand spiral with two 1259(830) Note: To ensure proper functioning of Gears No. 143014 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 143295	143104	Bell Crank Hinge Pin
140230(803)	Feed Rock Shaft Connecting Rod Hinge Screw	143014	Arm Shaft (upright) Bevel Gear (lower) right hand spiral with two 1259(830) Note: To ensure proper functioning of Gears No. 143014 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 143295	143108	Presser Bar and Feed Roll Lifting Lever Connecting Rod
140231(803)	Needle Bar Connecting Link Cap Screw	143109	Presser Bar and Feed Roll Lifting Lever Connecting Rod Swivel	143109	Presser Bar and Feed Roll Lifting Lever Connecting Rod Swivel
140232(819)	Oil Wick Holder Screw	143124	Oil Pipe Clamping Sleeve	143125	Oil Pipe Clamping Sleeve Nut
140239(830)	Needle Set Screw	143126	Oil Pipe Clamping Sleeve Nut Adaptor	143134	Feed Roll Feed Regulator 143085 with 140549(805), 143086 and 143378
140256(830)	Feed Eccentric Stop Screw (7 stitch)				
140257(830)	Feed Eccentric Stop Screw (5-1/2 stitch)				
140279(830)	Feed Roll Clutch Shaft Arm Bushing (front) Set Screw				
140296(830)	Arm Shaft (horizontal) Bushing (center) Set Screw				
140297(830)	Arm Shaft (horizontal) Flanged Bushing (back) Set Screw				
140333(830)	Feed Lifting Eccentric Position Screw				
140343(805)	Machine and Machine Base Oil Reservoir Screw Hole Plug Screw				
140350(830)	Knee Lifter Rock Shaft Crank Adjusting Screw				
140359(805)	Feed Rock Shaft Oil Screw Plug				
140359(805)	Feed Lifting Rock Shaft Oil Screw Plug				

Numerical List of Parts for 281-20 Machine

NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
143134	Stitch Regulator 143085 with 140549(805), 143086 and 143378	147025-001	Feed Lifting Rock Shaft	147141	Oil Wick, 11 in. long for oiling Take-up Lever, Take-up Lever Link, Needle Bar Connecting Link and Thread Take-up Lever Link Hinge Bearing(2)
143191	Presser Bar and Feed Roll Lifting Lever Connecting Rod Oil Mist Retaining Disc (felt)	147028	Feed Lifting Rock Shaft Bushing (front)	147151	Tension Releasing Disc
143196	Needle Bar Oil Wick	147028	Feed Lifting Rock Shaft Bushing (back)	147152	Tension Spring
143236	Feed Lifting Rock Shaft Oil Screw Plug Washer (fiber)	147029	Feed Lifting Rock Shaft Collar with two 460(830)(2)	147158	Throat Plate (large needle hole) for use with 22834 and 161066
143236	Feed Rock Shaft Oil Screw Plug Washer (fiber)	147029	Feed Rock Shaft Collar with two 460(830)	147159	Tension Releasing Lever Body
143244	Arm Top Cover (back) Spool Pin with Spool Rest, 3-1/2 in. long	147030-001	Feed Lifting Rock Shaft 147025-001 with 13996, 147038 and suitable length of No. 1229 White Lighter Wicking	147160	Tension Releasing Lever Body (adjustable) 147159 with 50123(819) and 147161
143257	Machine Base and Oil Reservoir Gasket (cork)	147037	Feed Lifting Rock Shaft Oil Wick (short)(2)	147161	Tension Releasing Lever Segment
143268-001	Bed Leg (back)	147038	Feed Lifting Rock Shaft Oil Wick (long)	147166	Slack Thread Regulator
143280-001	Knee Lifter Rock Shaft	147040-001	Feed Rock Shaft	147206	Arm Top Cover (front) Gasket
143282	Knee Lifter Rock Shaft Crank Adjusting Screw 140350(803) with 51649(809)	147041-001	Feed Rock Shaft 147040-001 with 13996, 147046 and suitable length of No. 1229 White Lighter Wicking	147245	Oil Wick Holder with two 147141
143295	Pair of Gears for Lower Shaft, Nos. 143014 and 143081	147042	Feed Rock Shaft Bushing (back)	147247	Presser Bar Lifter
143301-001	Rotating Hook Oil Wick (felt)	147043	Feed Rock Shaft Bushing (front)	147250	Presser Bar and Feed Roll Lifting Lever Pin
143326	Needle Bar Connecting Stud with 140706(803)	147045	Feed Rock Shaft Oil Wick (short)	147290	Feed Lifting Rock Shaft Crank (front) with 140915(830)
143349-001	Rotating Hook Shaft Oil Filter Wick Holder	147046	Feed Rock Shaft Oil Wick (long)	147291	Presser Bar Spring
143351	Rotating Hook Wiper (leather)	147050-001	Needle Bar Connecting Link 147492-002 with 143326	147292	Tension Stud 140873(803) with two 1560(803)
143370	Oil Lead	147053	Needle Bar Connecting Stud Oil Wick	147293	Tension complete, Nos. 32574, 52083, 52394, 147151, 147152, 147292 and two 2102
143373	Bell Crank	147055	Oil Removing Wick (head end) Hinge Plate and Cover Gasket	147296	Thread Take-up Lever Oil Guard with 143196 and 147053
143374	Bell Crank Bracket	147057	Presser Bar (hollow)	147355	Feed Bar Carrier with two each 158(805) and 140788(805)
143375	Bell Crank Complete, Nos. 143104, 143373 and 143374	147058	Presser Bar Bushing (lower)	147356	Feed Bar Hinge Pin (eccentric)
143378	Feed Roll Feed Regulator Locking Slide Spring	147070	Thread Take-up Crank Clamping Screw Hole Plug Gasket	147394	Arm Shaft (horizontal) with 1036(830) and 140542(830)
143378	Locking Slide Spring	147073	Thread Take-up Lever Link Hinge Stud	147395	Combination of Feed Roll Feed Parts, Nos. 1662(819), 141143(803), 143087, 143134, 147472-001, 149042, 149046 and 149203
143383	Rotating Hook Oil Flow Regulating Thumb Screw Spring	147074	Thread Take-up Lever Link Hinge Stud Oil Wick	147396-001	Face Plate
143384	Oil Pipe for oiling Rotating Hook Shaft (front) Bearing	147075	Thread Take-up Lever Link Hinge Stud 147073 with 147074	147397	Face Plate Gasket
143387	Oil Pipe 143384 with 143124 for oiling Rotating Hook Shaft Front Bearing	147077	Thread Take-up Lever Guard Gasket	147398-001	Feed Roll (48 tooth) with 447(830) Note: No. 147398-001 is furnished on order only
146099	Feed Rock Shaft Crank with 140228(830)	147079	Thread Take-up Lever Thread Eyelet Bushing	147398-002	Feed Roll (32 tooth) with 447(830) Note: No. 147398-002 is furnished on order only
146552	Arm Screw (front and intermediate)(2)	147091	Thread Eyelet Bushing Pressure Regulating Thumb Screw and Presser Bar Guide	147399	Feed Roll and Presser Bar Lifting Lever Link
146580	Feed Roll Bracket Shaft Oil Retaining Wick Clip	147105	Arm Top Cover (back) Stitch Regulator Plunger	147400	Feed Roll Bracket with two 141141(869)
146580	Feed Roll Clutch Shaft Arm Bushing (front) Oil Wick Clip	147106	Oil Pipe complete from Oil Pump to Arm Shaft (horizontal) Center Bearing, Nos. 143064, 143065 and 143066	147402	Feed Roll Bracket Shaft
146591	Oil Flow Body	147107	Oil Removing Wick (head end)	147403	Feed Roll Bracket Shaft Bushing
146610	Presser Bar and Feed Roll Lifting Lever Spring	147108	Oil Removing Wick (head end) Holder Body 146745 with 146698 and 147107	147404	Feed Roll Bracket Pressure Spring
146698	Oil Removing Wick (head end) Holder Body	147111-001	Arm Shaft (upright) Bushing (upper)	147405	Feed Roll Bracket Pressure Spring Adjusting Nut
146745	Oil Removing Wick (head end) Holder Body	147112-001	Arm Shaft (horizontal) Flanged Bushing (back)	147407	Feed Roll Bracket Shaft Guide Bracket Holder
146790	Arm Shaft (horizontal) Flanged Bushing (back) Oil Sump Tube	147114	Needle Bar Bushing (lower) Thread Eyelet	147408	Feed Roll Clutch (brake)
147005-001	Arm Shaft (horizontal) Flanged Bushing (front)	147131	Rotating Hook Shaft Oil Retaining Collar with two 50429(830)	147410	Feed Roll Clutch (brake) Bushing with two 453(830)
147008	Feed Roll Bracket Shaft Oil Retaining Wick	147139	Machine Pulley small rim diameter (disc power) "Y" belt groove 2.9 in. diam., with two 51283(830)	147411	Feed Roll Clutch (brake) Member Spring(3)
147011	Arm Top Cover (back) for 147013			147412	Feed Roll Clutch (drive)
147013	Arm Top Cover (back) with Stitch Regulator Plunger complete, Nos. 13288, 64519, 147011 and 147105				
147015	Arm Top Cover (back) Gasket				
147024	Feed Bar Carrier Oil Wick Holder with 143031				

Numerical List of Parts for 281-20 Machine

NUMBER	DESCRIPTION	NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
47414	Feed Roll Clutch (drive) Member Spring(3)	147472-002	Feed Eccentric	149145	Rotating Hook (Air Cooled) 149142 with 149065 and three 1367(805)
47415	Feed Roll Clutch Body with two 443(830)	147473	Feed Lifting Eccentric and Arm Shaft (horizontal) Bevel Gear, right hand spiral with 1259(830), 140333(830) and 143088	149148	Rotating Hook Shaft with 149153
47416	Feed Roll Clutch Position Bracket		Note: To ensure proper functioning of Gears, No. 147473 will not be supplied separately to Agencies, but will be substituted by Pair of Gears No. 147476	149149	Rotating Hook Shaft 149148 with 147131
47417	Feed Roll Clutch Roller(6)	147476	Pair of Gears for Upper Shaft Nos. 143015 and 143473	149150-001	Rotating Hook Shaft Bushing (front)
47418	Feed Roll Clutch Roller Plunger(6)	147480	Knee Lifter Bell Crank Plunger	149152	Rotating Hook Shaft Oil Filter Wick
47419	Feed Roll Clutch Washer(2)	147482-001	Knee Lifter Rock Shaft Crank with 141253(830) and 143282	149153	Rotating Hook Shaft Oil Filter complete, Nos. 143349-001 and 149152
47420	Feed Roll Clutch Wearing Plate(6)	147483	Knee Lifter Rock Shaft Stop Dog with 141253(830)	149160	Thread Take-up Crank Wearing Plate
47421	Feed Roll Clutch and Shaft complete, Nos. 147408, 147410, 147412, 147415, 147422, 147427 two 147419, three each 147411, 147414 and six each 147417, 147418 and 147420	147485	Knee Lifter Rock Shaft Spring	149161	Thread Take-up Lever Guard
47422	Feed Roll Clutch Shaft	147486-001	Arm Shaft (horizontal) Bushing (center)	149166	Thread Eyelet and Thread Guard (front of arm)
47424	Feed Roll Clutch Shaft Arm Bushing (front) Oil Wick with 146580	147491	Machine Base and Oil Reservoir	149172	Rotating Hook (Air Cooled) 149142 with 149064, 149065 and three 1367(805)
47425-001	Feed Roll Clutch Shaft Arm Bushing (rear)	147492-002	Needle Bar Connecting Link	149173	Rotating Hook (Air Cooled) 149172 with 149063 and 149153
47426	Feed Roll Clutch Shaft Bevel Gear with two 462(830)	149016	Arm Top Cover (front)	149203	Feed Roll Clutch Shaft Driving Crank with 50443(830)
47426	Feed Roll Driving Shaft (horizontal) Bevel Gear with two 462(830)	149017	Arm Top Cover (front) with Stitch Regulator Plunger complete, Nos. 13288, 64519, 149016 and 149018	149205	Oil Removing Wick (head end) Hinge Plate and Cover
47427	Feed Roll Clutch Shaft Collar with two 460(830)	149018	Arm Top Cover (front) Stitch Regulator Plunger	149206	Oil Removing Wick (head end) Holder Body complete, Nos. 140553(805), 146698, 146745, 147055, 147107 and 149205
47429	Feed Roll Clutch Shaft Oil Retainer (felt)	149042	Feed Roll Eccentric Connecting Rod	149220-002	Needle Bar (hollow) with 140239(830)
47430	Feed Roll Driving Shaft (horizontal)	149046	Feed Roll Feed Regulator Lacking Slide Ratchet Wheel Retaining Collar with 143088 and two 1259(830)	149223	Feed Roll Bracket Shaft Guide Bracket with 1353(830)
47431	Feed Roll Driving Shaft (horizontal) Bevel Gear Cover	149060	Rotating Hook Bobbin Case	149224	Oil Wick Holder Plug (felt)
47432	Feed Roll Driving Shaft (horizontal) Spur Gear	149061	Rotating Hook Bobbin Case 149060 with 591(806), 1380(805) and 40394	149227	Presser Bar Bushing (lower) Washer
47433-001	Feed Roll Driving Shaft (horizontal) Spur Gear Pin (1/2 in. long)	149063	Rotating Hook Bobbin Case complete, Nos. 592(805), 2974, 2975, 40392, 125320 and 149061	149230	Arm Side Shield
47434	Feed Roll Driving Shaft (horizontal) Spur Gear and Feed Roll Shaft Spur Gear Cover	149064	Rotating Hook Bobbin Case Holder	149235-003	Needle Bar Thread Guard
47435	Feed Roll Driving Shaft (horizontal) Spur Gear and Feed Roll Shaft Spur Gear Cover Plate	149065	Rotating Hook Section	161065	Presser Foot Plate
47436	Feed Roll Driving Shaft (upright)	149066	Rotating Hook Thread Guard	161066	Presser Foot (spring hinged) complete, Nos. 62527, 62926, 161065 and 161160, for use with 22834 and 147158
47437	Feed Roll Driving Shaft (upright) Bevel Gear (upper) and (lower)	149074	Feed Lifting Rock Shaft Crank (back) with 140228(830)	161160	Presser Foot Spring
47438	Feed Roll Driving Shaft (upright) Driving Collar with two 1258(830)(2)	149111	Face Plate Plug (for plugging the Presser Bar adjustment hole)	272152	Rotating Hook Bobbin Needle Car, No. 1955 (Size No. 16)
47439	Feed Roll Driving Shaft (upright) Hinge Pin (3/4 in. long)(2)	149118	Feed Roll Guide Bar	---	
47440	Feed Roll Shaft	149119	Feed Roll Guide Bracket		
47441	Feed Roll Shaft Spur Gear	149121	Machine Base and Oil Reservoir with Knee Lifter Rock Shaft, Nos. 143257, 143280-001, 147480, 147482-001, 147483, 147485 and 147491		
47442-001	Feed Roll Shaft Spur Gear Pin (3/8 in. long)	149124	Rotating Hook Bobbin Case Holder Position Bracket		
47443	Feed Roll Plate	149128-001	Thread Take-up Crank with Thread Take-up Lever with 149160 and eighteen 143056		
47444	Presser Bar Guide Bracket with 50203(830)	149130-002	Thread Take-up Crank and Thread Take-up Lever complete		
47445	Presser Bar and Feed Roll Lifting Lever with 454(830)	149141	Rotating Hook (Air Cooled) with 143301-001 and two 1253(830)		
47447	Presser Bar Lifting Bracket	149142	Rotating Hook (Air Cooled) 149141 with 143351, 149066 and four 1053(805)		
47449	Feed Roll Bracket Shaft Oil Retaining Wick 147008 with 146580				
47468	Arm Shaft (horizontal) Thrust Collar with two 624(830)				
47469	Combination of Feed and Stitch Regulator Parts, Nos. 143015, 143040, 143049, 143087, 143134, 147472-002 and 147473				
47470	Feed Bar				
47471	Feed Bar 147470 with 21478, 147290, 147355, 147356 and two 1423(803)				
147472-001	Feed Roll Eccentric				