



SECTION A-A
SCALE 1 : 1

To Lubricate Spindle - remove top plug item #13 from housing. Remove 1/8" pipe plug "A" from oil level plug item #7 on bottom of housing. Pour oil into housing through top fill hole until it flows from center of item #7. Reinstall 1/8" pipe plug "A".
To Change Spindle Lubrication - remove plug item #7 completely to drain oil from spindle housing, replace item #7, and refill with a high grade 10wt oil, per lubrication instructions above.
Oil Levels should be checked weekly.

16	12	NB-5000-	31C87KCSS 5-16" -18 X 7/8" Hexagon Socket Head Screw
14	1	NB-5000-713	PIPE PLUG- 1/8 NPT SQUARE HEAD
13	1	NB-5000-712	PIPE PLUG- 3/8 NPT SQUARE HEAD
12	1	A-4048-1	Standard Spindle Hex Nut - 511
11	1	A-4043-1	511 Machine - Saw Collar - Std Arbor
10	1	A-4148-1	Permanent Collar - 541HD Spindle
9	1	B-4102-1	Front Bearing Cap - 541 HD Spindle
8	1	A-3901-034	CR Industries 18581CRWA1 Seal
7	1	A-4048-2	Oil Level Plug - 541HD Spindle
6	1	B-4100-1	HD Spindle Housing - 541
5	1	B-4101-1	HD Spindle Shaft - 541
4	4	A-3900-021	Fafnir 7208 WN-SU Angular Contact Bearing
3	1	SA-5000-105	W-08 LOCKWASHER
3	1	SA-5000-104	N-08 LOCKNUT
2	1	B-4031-1	Rear Bearing Cap - 511
1	1	A-3901-003	CR Industries 13571CRWH1 Seal
ITEM	QTY	PART NUMBER	DESCRIPTION

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RELEASED	DATE	DIMENSIONS ARE IN INCHES AND DEGREES UNLESS OTHERWISE NOTED. DIMENSIONING AND TOLERANCES IN ACCORDANCE WITH ANSI Y14.5-1994
APPROVED	DATE	
PROJ. MGR.	DATE	
MATERIAL:		
WEIGHT:		FRACTIONS DECIMALS ANGLES ± 1/16" .X ± .050 ± .06° .XX ± .010 .XXX ± .005
NEXT ASSEMBLY		BREAK AND DEBURR ALL SHARP EDGES THIRD ANGLE PROJECTION

541 HD Spindle Assembly

4	Redrawn in CAD	7/13/2010	dlangford
REV	DESCRIPTION	DATE	APPROVED
REVISION HISTORY			

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DRAWN:	SCALE:	DWG/PART NO:	SIZE:	SHEET
dlangford		E-4020-8	E	1 OF 1
DATE:	WEIGHT:			REV
7/13/2010				A