5/20/2005

		Toronto a	BEO	11.000			- Fax			·		-	
ltem	Description	CC2S	AS400	(L00) Platform				(L00) Platform	AS40D	Platform Resp.	Comments	Old Part #	New Part#
	2nd Row						dential		1,2,02]	. 1
2	Release LH mechs into PDM Articulation angle change	n/a .		n/a		9402	8	n/r		14.1/]	
3	Straps to o/b side of handed h/r's	n/a 9633	8	n√a 9643	8	9613 10441	8	09630 10456	8	M Yesko M Yesko	DR6519 approved 11/25	-	
4	post diameter 10mm + weight saves	9736	0	9743	5	12022	8	12137	8	М Үевко	processed after 12068		
		!		 	 	-	 	ļ	<u> </u>		No go. Need new ECN to	_	
	Poke yoke		<u> </u>		<u> </u>	8260	8	09265	8	M Yesko	change back.		
											RH mechs only. Did not		
5	1							n/a (invalid			spawn platform ecn as incorrect part numbers		
ļ	Reverse Poke yoke.					10063	8	part #'s)	п/а	M Yesko	attached.		
5b	Reverse Poke voke again				1	10136	١.	40040	١		RH mech numbers		
- 6	Release lu astris.		\vdash			11145	8	10248 11109	8 8	M Yesko A Crainic	attached	-	
7	delete foam/mech aan parts					11154	8]	
8	10mm to 12mm		<u> </u>	ļ		40000		11148	8	1112]	
9	12mm guide asm. o/b 5,6 & 7P		\vdash	 		13212 7124	8	13222 14366	8	M Yesko M Yesko	SA'd Push through	1	
9b									<u> </u>	III TODAO	push through w/ no quote.	1	
	12mm guide asm. o/h 5,6 & 7P				<u> </u>	14773	- 8	16717	8	M Yesko	Bumps part.	_	
	Quote only - autoarticulation	15161	6	15287	4				ļ		Platform request. Still pending		
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							penang	1	
10					ĺ				İ		RFQ issued to follow change process, 16757		
	Add assist spring for assembly	17038	8	17175	4	18007	8	18165	5	M Yesko	obsolete - do not process.		
11	Add radii to trim closcouts	19016	8	19166	8	24908	8	24911		M Yesko		1	
13	Add Ford logo to latch plastic torsion tube material and end fit	20258 21851	8	20388 21863	5	24909	8	24929	4	M Yesko		1	
14	Add plastic standoff to latch cover	21854	8	21884	5	24910	8	25087	7	M Yesko		1	
15	Lock noteh dimension change	21872	8	21890	5	31003	8	31110	-1	M Yesko	Group 5	1	
	change release effort callout add bumper/revise stop pin	23376	8	23403	8	22478 28671	-1		-1	M Yesko M Yesko	group 4 Group 5	1	
18	Conting to inhibit rust	25267	В	25462	5		:			M Yeska	Group 5	j	
. 20	Shorten fins steel to zinc/revised end	26145 26717	8	26321	8	31004	-1	31121	-1	M Yeska	Group 5		
21	change locking angle	28524	8	26931 28584	3	31331	_	31413		M Yesko M Yesko	group 6 group 5		
22	eatch spring rate change									III T Carto	pending		
23	notch depth increase	31111	- 6	31118	3					M Yesko	group 6		
24	change look pawl material/heat treat										pending		
												1	
25	add Hytrel conting to post										pending]	
	change cable attachment angle										pending		
	QUOTE 2ND ROW U251 5,6,7P HR	34247		34259		37568		41701	6		Group7	L0023286AJ10,005	L0023286AJ11
26	MECHANISM CHANGE, ADD RUST INHIBITING COATING TO LOCK PAWL											L0023287AJ10,005 L0042999AH10,005	L0023287AJ11 L0042999AH11
												L0043001AH10,005	L0043001AH11
	QUOTE CHANGE TO 2ND ROW U251 5,6,7P	34429		34431	1	37569		41728	6		Group7		
	HR MECHANISMS: 1.) ADD RADH TO RELEASE CABLE END FITTING TO												
	ELIMINATE SHARP CORNERS 2.) INCREASE				l								
	DIAMETER AT ATTACHMENT LOCATION 3.)											L0023286AJ11,003	L0023286AJ12
27	INCREASE THICKNESS OF END FITTING 4.) REVISE END FITTING MATERIAL FROM											L0023287AJ11,003	L0023287AJ12
	NYLONGG TO GLASS FILLED NYLONGG											L0042999AH11,003	L0042999AH12
	CHANGES MADE TO IMPROVE STRENGTH											L0043001AH11,003	L0043001AH12
	OF CABLE ATTACHMENT FEATURE TO												
	MECHANISM AND RESIST BREAKING.				!								
	NO COST CHANGES. QUOTE FOR TIMING TO					41662	8	41761	6		Group7		
	IMPLIMENT THE CHANGES, THESE CHANGES ARE APPLICABLE TO 2R 5P/6P/7P												
	AND ARE AS LISTED BELOW: 1, LOCK												
	LEVER DESIGN CHANGE TO HAVE LOCK												
	ANGLE 5.7+/40.2 DEGREES, 2, POST LOCK SURFACE TO HAVE 6+/-0.5 DEGREES RELIEF												
	ANGLE AND ATLEAST IMM CLEARENCE AT											L0023286AJ12,002	L0023286AJ13
28	THE TOP WITH LOCK LEVER 3, LOCK LEVER			٠					1			L0023287AJ12,002 L0042999AH12,002	L0023287AJ13 L0042999AH13
	& POST TO HAVE EQUAL HARDNESS OF 38 -		- 1			1			i			£0043001AH12,002	L0043001AH13
	42 HRC. IF REQUIRED POST NEEDS TO BE HEAT TREATED: 4. LOCK LEVER PIN	i	1									,	
l i	DIAMETER TO BE INCREASED TO 6 5MM												
	FROM 5.0MM 5. NYLINER BUSH BEARINGS												
	TO BE REPLACED WITH TEFLON COATED STEEL BUSHES, 6, ZINC ROD RIVET HEAD TO												
	HAVE THICKNESS OF 2+/- 0.5MM AFTER											<u></u>	
	NO COST ECN. QUOTE FOR TIMING TO					42202	8	42428	6		Group7		
	IMPLIMENT THE CHANGES. THE CHANGES ARE: I. REPLACE ZINC ROD WITH STEEL		ļ							İ		L0023286AJ13,002	L0023286AJ14
29	ROD. GEOMETRY WOULD BE SLIGHTLY								ļ			L0023287AJ13,002 L0042999AH13,002	L0023287AJ14
	MODIFIED TO SUIT MANUFACTURING.	-	1						-			L0042999AH13,002 L0043001AH13,002	L0042999AH14 L0043001AH14
	DIAMETER OF THE ROD WOULD REMAIN SAME.	1											
	U251 2R 5/6/7 pass head restraint engineering					42885	8	428B8	6		Group7		<u> </u>
i i	changes to take care of pin peel-off in 201. These		l					.			•		1
: 1	changes are no cost to Lear. Change is 1. Lock lever pin changed to have more robust design. New design		I									L0023286AJ14,002	L0023286AJ15
30	is with flange on out side of stamping. Pin press		I							į		L0023287AJ14,002 L0042999AH14,002	L0023287AJ15 L0042999AH15
	fitted and welded to stamping. Other end of pin is		l									L0043001AH14,002	L0042999AH15
	cold rivetted on washer,		I										
<u> </u>	No cost to Lear. Add Ram's Horn wire on U251 2R					44414	-2	44438	-1		Group7	L0023286AJ15,003	
20	5P/6P/7P Head restraints mechanisms to take care		ļ			71117		44436	-"		Gidupi	L0023287AJ15,003	
29	LStrap pulling load 2. To cover sharp egde cutting	1	{			1	!					L0042999AH15,003	????
	thru foum & trim. U251 2R 5/6/7Pass head restrain plastic guide					AAAEE		44500			0	L0043001AH15,003	
	U251-2R 5/6/7Pass head restrain plastic guide modification, Add 0.25nun material on each side (a	1	- 1			44455	1	44522			Group8		
! 1	total of 0.5mm) to the existing rotation preventing								1				
30	TAB. Present size (thickness)of tab is 2.45mm. New											L0020735AB02	L0020735AB03
	size would be 2 95 nominal. Tolerence would be same as previous. Change is required for eliminating												
	the ticking noise observed in shaker table test.												
				40:00									
	U251 2R 5/6/7Pass - Quote for adding branding on Trim close out. Branding includes (FOMOCO)	45729	0	46423	o	[-	Has been cancelled	L0023286AJ15,003	
31	(plant Id) (plant code). Platform needs to know the		ļ							1		L0023287AJ15,603	
	cost of this branding. After the quote they will decide to go with branding or not.		- 1		- 1	Į		ļ				L0042999AH15,003 L0043001AH15,003	
. 1	assessed to get write tridinging or not.	ŧ	f		l		Ĺ						

			,		,	,							
	Quote for new shell on U251 2R 5/6/7 pass head restraints mechanisms. This shell is required to meet	42528		43497		46759	8	46777	6	michelle	Group8	L0023286AJ15,002	L0023286AJ16
32	ST-0047 requirement of 2.5mm radii. There are two shells in the design. One to cover the rear and unother one to cover front. Both the shells will have						rporatio idential	ļ.				L0023287AJ15,002 L0042999AH15,002 L0043001AH15,002	L0023287AJ16 L0042999AH16 L0043001AH16
	minimum radius of 5mm every corner/edge.		-	ļ		45731		45040		ļ			
33	U251 2R 5/6/7 Pass no cost change. Modify the side plastic shield to prevent pull strap catching in modify the shield to have effective support and					49/3/	8	47812			group8	L0023286AJ16,002 L0023287AJ16,002 L0042999AH16,002 L0043001AH16,002	L0023286AJ17 L0023287AJ17 L0042999AH17 L0043001AH17
	clamp it to stamping with M4 screw. No cost change - For U251 2R 6pass Head restraint. Move notch on both the posts down by 6mm. This					46793	8	47863	4		Group9		
34	will increase the distance between pivot and notch and eliminate the problem of partial dumping. Keep the length of the post below notch same. Hence Post length to be increased by 6mm.											L0023286AJ17,002 L0042999AH17,002	L0023286AJ18 L0042999AH18
<u> </u>	ADD A BUTTON TO BELT STRAP FOR		-	-	 	47166	8	47888	4		Group9		
	ERGONIMIC REASONS. THIS IS REQUIRED TO DEFINE THE SEQUENCE OF OPERATION FOR DUMPING THE SEAT. WINDSOR TO QUOTE COST TO ADD THIS BUTTON ON THE STRAP. THIS IS REQUIRED ON ALL HEAD REST MECHANISMS SUPPLIED FOR 2R-5P/6P/7P AND 3ROW.						•	41000	7		Спорз	L0023286AJ18,002 L0023287AJ17,002 L0042999AH18,002 L0043001AH17,002 L0020752AE08,002 (3R HR)	L0023286AJ19 L0023287AJ18 L0042999AH19 L0043001AH18 L0020752AE09 (3R
	NO cost ECN. This ECN is for removal of Trim close-out. Further to 1PP shell under ECN46777, this trim close-out is integrated with shell. Hence present					48990	8	49046	4		Group9	L0023286AJ19,002 L0023287AJ18,002 L0042999AH19,002	L0023286AJ20 L0023287AJ19 L0042999AH20
	trim close out to be removed.Plece price saved from the removed trim close-out 0231 2K 3/0/3r rease quote for				<u> </u>							L0043001AH18,002	L0043001AH19
38	improved version of shell to meet ST- 047 requirement of 2.5mm radius. Previous shell (used for 1PP) was processed under Platform RFQ43497 and ECN46777. Tje new design is similar to 1PP design, but reduced in size and weight to reduce piece price and tooling cost. There are two shells in the design.One to cover the rear end and	48500	8	48504	8	60344	-1	60349	-1	myesko			
	other to cover front end. Both the shells design with SHROUD. This is improved version of small shell, this shell will												
J	cover foam at openings. This shell also covers metal as seen from openings in dump conditionThis shell is required to meet ST-0047 requirement of 2,5mm radii. There are two shells in the design. One to cover the rear and	50501	8	50503	3								
40	U251 2R 5/6/7 pass HR shell design with SHROUD. This is improved version of small shell. This shell will cover foam and metal as seen from openings in dump condition. — This shell is required to meet ST-0047 requirement of 2.5mm radii. There are two shells (front and rear shells)in the design, Both the shells will have minimum radius of 5mm every corner/edge, wall to separate strap and radius at the bottom to take care of J- narrow assembly ENGG NOTE: Supplier to quote for this					54794	8	54829	5	dgaines		L0023286AJ20,002 L0023287AJ19,002 L0042998AJ20,002 L0043901AH19,002 L0089421AA01 L0089422A401 L0089424AA01	L0023286AJ21 L0023287AJ20 L0022989AH21 L0043909AH21 L0089421AA02 L0089422AA02 L0089424AA02 L0089425AA02
	pass Dump HR. Below listed changes to be included in the design: 1)Lock lever material to be changed to 4130 from 950. Hardness to be 38-42 HRC. 2)Increase the corner radius on Lock			•									
41	lever to 1.5mm from 0.5mm 3)Change cable wire routing on RH mech to M-Shape. This may potentially eliminate the possibility of cable pulling in 201 hit. 4)Post locking surface needs machining for effective locking, Locking face to be broached or use any equivalent to					55300	8	55429	7	dgaines		L0023286AJ21,002 L0023287AJ20,002 L0024399AH21,002 L0043001AH20,002	L0023286AJ22 L0023287AJ21 L0042999AH22 L0043001AH21
42	control the dimension from center line to 5.7degrees. Modify Lock lever to have 3.9degrees lock angle. This change is required to make locking more robust on HR. This change will be in place for all HR after the tool is modified for the angle. Time for tool completion will be determined in consultation with WMG.					58665	8	58686	5			L0023286AJ22,002 L0023287AJ21,002 L004299AH22,002 L0043001AH21,002	L0023286AJ23 L0023267AJ22 L0042999AH23 L0043001AH22
43	U251 2R 6pass HR (Quad) -No cost ECN. Following changes need to be implimented on the mech. I) Increase the post thickness to 6mm from 4mm at locking section. This will result in reduction in the width at that section. 2)Increase steel rod length by 2mm.					59081	a	59155	5			L0023286AJ23,002 L0042999AH23,002	L0023286AJ24 L0042999AH24
44	This to cover post thickness increase. U251 2R 5/6/7pass HR -No cost change. Plastic side shield boss arround the screw hole to be increased to dia8.75mm from dia6.8mm. This is to avoid crushing of the plastic material					59086	8	59510	5			L0023286AJ24,002 L0023287AJ22,002 L0042999AH24,002 L0043001AH22,002	L0023285AJ25 L0023287AJ23 L0042999AH25 L0043001AH23

45	to lock lever instead of PHOS-OIL. Phos-oil, per WMG, has slippery charecter, hence may not help lock lever for effective locking. Zinc coating would help lock lever to firmly hold the post and keep continuous locking. Engineering Comments:Phos-oil, per WMG, has slippery charecter, hence may not help lock lever for effective locking. Zinc coating would help lock lever to	·				Lear Cc ⁵⁹⁵ €onf	rporatio idenfial	ገ 59652	5		L0023286AJZ5,002 L0023287AJZ3,002 L0042999AHZ5,002 L0043001AHZ3,002	L0023286AJ26 L0023287AJ24 L0042999AH26 L0043001AH24
	IU251 5/6/7 pass HR - Quote for heatreatment of slave side post(opposite to lock lever side) to get same appearence(when Zinc coated)as lock lever side post. Process of heat treament need to be decided with couple	59697	8	59703	4							
47	below modification to meet chuck requirement on HR, when seat allowed to fold w/o dumping HR. 1) Replace tefion coated bushings with Powder metal coated bronze bushes. 2) Modify stampling to have flange on bearing hole and flange to stop Hytrel peel-off 3) Add Spring clip to retain bush on slave side (Don't Process ECN)	60387	8	60397	0							
48	I) Replace Teflon coated steel bushings with Powder metal coated bushings(bronze as base metal) 2) Modify stamping to accomidate the PM bushes, Stamping hole will be increased from 11.6dia to 13.0dia. 3) Keep hytrel same on the stop pin for now 4)Lock lever pin to have Phos & oil					61780	8	61806	3	dgaines	L0023285AJ26,002 L0023287AJ24,002 L0042999AH25,002 L0043001AH24,002	L0023286AJ27 L0023287AJ25 L0042999AH27 L0043001AH25

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Description CC28 Old Part # Ł. New Part # DR se AS40016721 9747 9731 No CAD actuation rod/cam relentation change 9551 B584 9703 8 09720 10513 3 approved 11/25 cost shange. Car intial RFQ 11215 old Bangesvincrouse gauge to 2 11215 12411 12456 18732 9 Quote bazel
10 3dd spacer bushing revise rivets
11 Change release effort called
12 Settletor rod offset change
13 stamping coaling
14 revise phot fixet for assembly 1631 t 22488 16315 22582 24823 22939 26306 25620 Z4865 26449 USS 3 NO NOW HR ASM, CHANGES: 1,) CHANGE RADII ON LOCKING CAM FROM 054MM TO 1.50MM 2,) COAT PAWL TO PREVENT RUST FORMATION 3,) ADD LUBRICANT TO CAM AT POST INTERFACE. LUBRICANT MUST MEET DURABILITY REQUIREMENTS AT EXTREME TEMPERATURE CONDITIONS. CATCH UP REQ FOR 3RD ROW HR MECHANISM CHANGES: 1,) REMOVE 2.5MM FROM HOCKED END OF CAM SPRING 10 IMPROVE CLEARANCE TO SPACER BUSHING 2,) CURL END OF DURBLES SOBIUS TO MAN POR MOCKED PRODOF COM SPRING 10 IMPROVE CLEARANCE TO SPACER BUSHING 2,) CURL END OF DURBLES SOBIUS TO MAN POR MOCKED PRODOF COM SPRING 10 IMPROVE CLEARANCE TO SPACER BUSHING 2,) CURL END OF 15 34543 34545 3931 42798 34068 34086 42791 43498 DUMP SPRING TO WRAP OVER BACK OF STAMPING WALL -ELIMINATES SHARP POINT 3.) ADD 3.00MM RADII TO SHARP ELMINATES SHARP POINT 3.) ADD 3 00MM RADII TO SHARP CORNERS ON FRONT FLANGE. REMOVES SHARP CORNERS. NO COST CHANGES. QUOTE FOR TIMING TO IMPLIMENT THE CHANGES. THESE CHANGES ARE APPLICABLE TO 3ROW HIR. CHANGES THESE CHANGES ARE APPLICABLE TO 3ROW HIR. CHANGES TO THE REPLACED WITH TEFLON COATED STEEL BUSHES. 2. U-POST TO BE CHANGED TO MEDOST 3. INCREASE DIAMETER OF LOCK SIDE PIN ON POST FROM 7.5MM TO 10MM. 4. INCREASE HOLD DIAMETER ON SPACER BUSH TO ACCOMIDATE LARGER PIN AND TEFLO M BISH 5. INCREASE HOUR DIAMETER. L0020752A£05 00 41659 8 41689 8 L0020752AE06 29801 DIAMETER ON SYNEER BUSH 10 ACCOMMINE EDWIGSER PIN AND TEFLON BUSH 5. INCREASE HEAD ON RIVETED PIN ON SLAVE SIDE TO HAVE ATLEAST 1.5MM THICKNESS 6, INTRODUCE TEFLON BEARING ON PAWL, ROD NEAR PAWL 7, HEAT TREAT THE PAWL ROD TO HAVE MINIMUM OF 55HRC ADD A BUTTON TO BELT STRAP FOR ERGONIMIC REASONS. THIS IS REQUIRED TO DEFINE THE SEQUENCE OF OPERATION FOR DUMPING THE SEAT. WINDSOR TO QUOTE COST TO ADD THIS 47166 47888 4 L0020752AE08,002 L0020752AE09 BUTTON ON THE STRAP, THIS IS REQUIRED ON ALL HEAD REST MECHANISMS SUPPLIED FOR 2R-5P/6P/7P AND 1ROW NO cost change - U251 3R Dump HR - Heat treat the spacer bushing to prevent elongation of the hole in vertical loading. Designed Material is 1018. Heat treatment required: a. Case 19 48680 48689 L0020752AE09,002 L0020752AE10 arborise to 0.5mm deep (Case depth) b. Case harden to 40 o 47 HRc J251 3R Dump HR - ONLY FOR RFQ. RFQ for Increase the dump spring stiffness to 1.5x.
 Provide notch on the M-post, where pawl touches, to enable RR to fold more. This increased forward folding may reduce interference with 2R seat back when folded. (PLEASE ONLY OF THE PLANT OF THE PROVIDED THE PROV 55937 55927 0 DO NOT SPAWN ECN) ECN.RFQ for 1) Strap routing to get approx.2:1 leverage from strap router. This strap routing to have fool proof arrangement for assembling onto the seat w/o any mistakes 2) Reinforce the base stamping with strap router welded at 55935 8 5593B 0 temove cut outs in the stamping to increase the strength the bracket and reduce deformation in load. PLEASE DON'T SPAWN ECN. UZ51 3R HR - No cost ECN - Add ribs inside the Plastic 22 washer to stop rattle on shaker table. ID of the plastic 58243 56347 L0020752AE10 L0020752AE11 washer to be 9.8(+.1/-0.0). No cost ECN.1)This ECN is to document the change in part ... 2)L0020752 is for U251 3R HR foam+mech. New part # 23 L0104109 is created for mechanism only. 57140 8 57155 В L0020752AE11.002 L0020752AE12 3)Please update the parts list. Engineering Comments: U251 3R HR - no cost ECN. This will enble to monitor foam changes and mech changes properly by seat complete engineer and mech engineer respectively Please Ignore ECN57140. This ECN is same as 57140, but with correct parts.
No cost ECN.1)This ECN is to document the change in part L0020752AE12,002 L0104109AA00,001 2)L0020752 is for U251 3R HR foam+mech. New part # 24 57190 57199 2):0020732 is for 0.51 3K hix foam+mech, New part # L0104109 is created for mechanism only. 3)Please update the parts list. Engineering Comments:U251 3R HR - no cost ECN.This will L0104109AA01 enble to monitor foam changes and mech changes properly by seat complete engineer and mech engineer respectively U251 3R HR - ECN is for increasing the dump soring force or the mech. Replace present single torsion spring (13N-mm/degree) with Dual torsion spring (21N-mm/degree). This change will eliminate the plastic washer (PIAO8), Engineering Comments:Refer RFQ55927 central and 55937 .0020750AD02-L0020752AF01 L0104109AA01,002 L0020752AF02 L0104109AA02 25 57634 8 58022 . EVEL for Job 1 platform for this change. U251 3R HR - This RFQ is for 1) Add reinforcement bracket at the master end comer. This is 5mm thick bracket to fix chuck due to abusive loads. 2) Rei3) Remove embossing arround the bolt holes, inforce the existing bracket with lesser trim cuts in the middle. This 58101 will help to reduce chuck at master and stave ends. Engineering Comments:U251 3R HR - This RFQ to fix Chuck from Abusive loads.
