







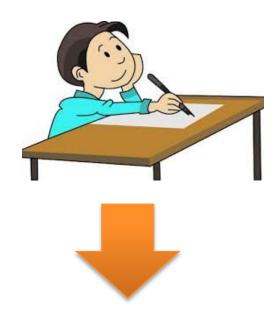
# [ECI] Engineering Change Instruction

Ver 3.0 / Sept. 2017



#### **Foreword**

Currently ECI is not completely deployed before implementation due to not well understand what is ECI wants



- Difference deployment
- Slow Follow up
- Delay Implementation
- Recall / Repair Vehicle @
  Customer

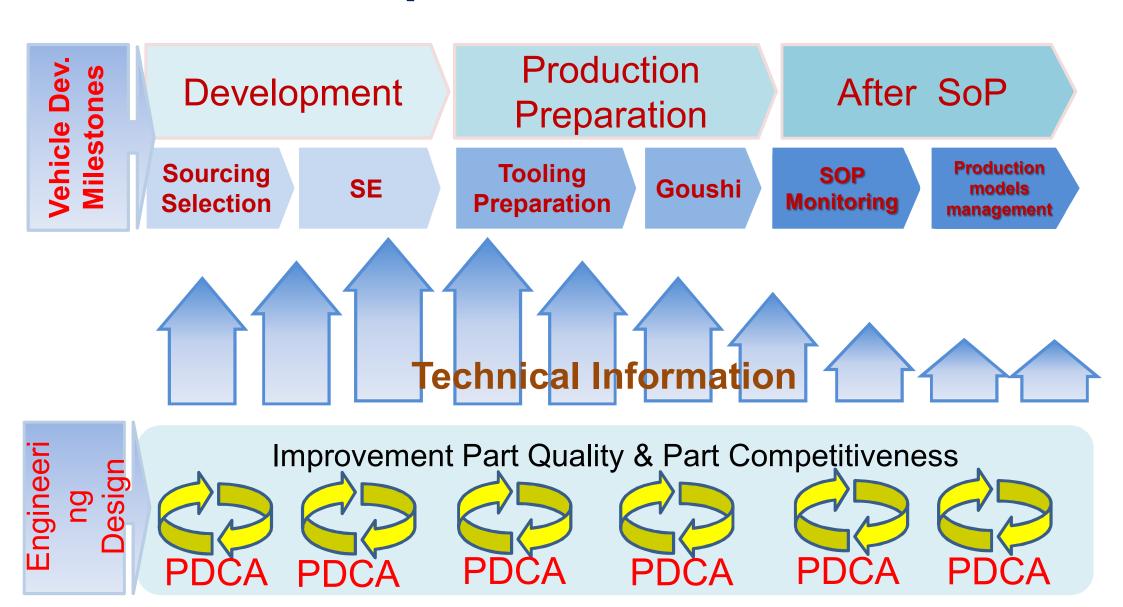


## **Training Objective**

- After finish this training, participants should be able to:
  - Understand the function and importance of Engineering Change
  - Able to use ECI and getting information from ECI content in order to start deployment
  - Able to investigate Part Modification Information and deliver feedback before implemented.

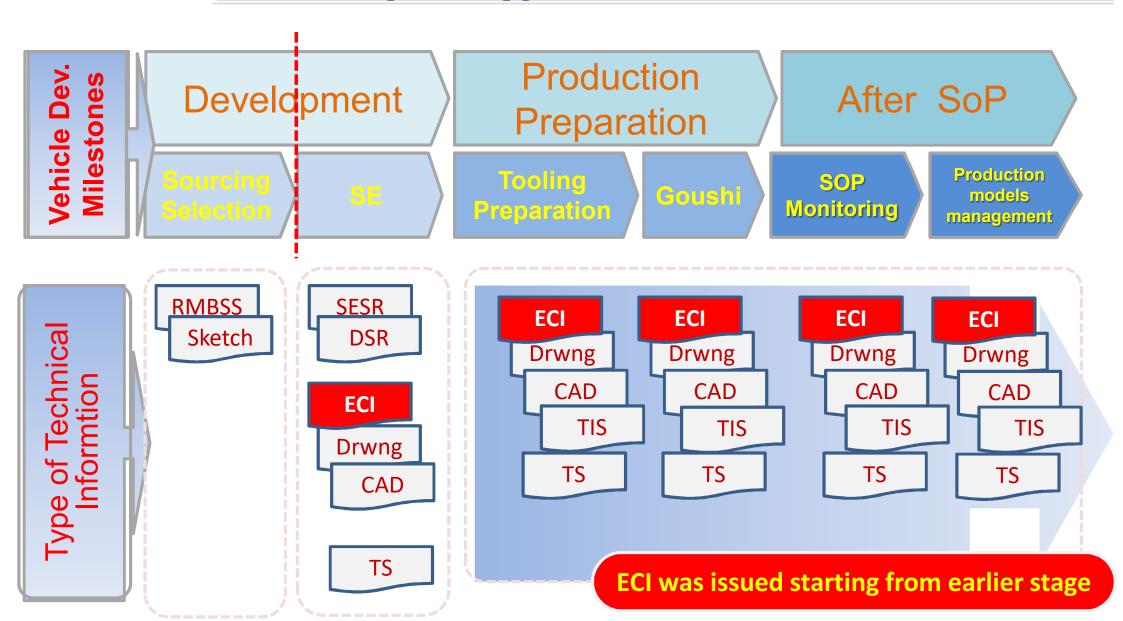


## **Concept of Technical Information**





## **Concept & Type of Technical Information**





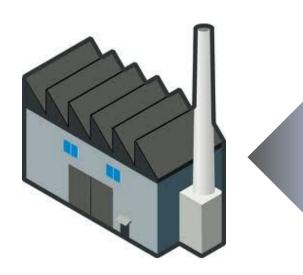
## **Engineering Change Instruction Purpose**

Productivity improvements

**Specification Improvement** 



- Product Quality
- Product Competitiveness





Engineering Change Information

## **Engineering** changes

- Spec
- Drawing Change
- CAD change
- TIS change
- Part Info Change etc related to Part



## What is Engineering Change Instruction [ ECI ] ?

ECI is the document of engineering design
 to instruct the engineering change and the implementation timing
 to supplier / part maker / manufacturing

### What is Package of ECI?

- When ECI is issued, some of document will be attached, depend on Technical Information Change area.
  - Drawing
  - Technical Instruction Sheet
  - Cad Data
  - Content of Part List \*
  - Part Structure List \*



5	79		設 : ENGIN	変 EER	切 ING		替 AN(		依 INST	頼		書 ONS															No. 5		1Y07		)	TASH	IRO			
要旨 Purpo	ose								対する Condit				by E	ing inc	er			į	事前達 Ndvance	絡 Notic	:e		R/C Char	・F/F切nge over	替制拿 Timin	g G Conc	Restr erning G	rictic ertifi	n on cation	H3+承認 設計室 TNG-ED		复先 rlap	共月 Com	用先 mon	開報 Reli	系先 ated
		·共通化 ATION	E/STAND	ARD 12	ZATIO	IN/C	02 (A)	.004 単数	計試から 4) 独/Inde F/AII(	epene	dent			TION	TRI	AL (C	001.	0	150223	MIK	40867		無/	Unrestr	icted					IK730						
			⊫Group			ation,	Bloc	ck C	ode	_	_			Key	Mode	:   Gr	oup	Cmp.	Varia	tion/B	Block (	ode				Key	Mode I Gr	roup C	np. ! Var	at on/E	Block C	ode		=		
			F 0900			State /1	Loto	I D	Yannal							+		-	-							+	-	$\rightarrow$	$\Box$							
Applie			F 0900			RE-III./	IULO	1 0	rsuse/							+		1	<del>                                     </del>							1		ightarrow	<b>→</b>							-
			0900													$\top$										41		Y	$\neg$							
																										17										
$\vdash$	$\perp$						_								_		1	_			_	$\sim$	1			<u> </u>				1			_			
1		工 程	Ē.	自然给	区分	構成し	VI. Gr	oup	旧品番							摂SI			• 1	딦	*		A		変 更	事項	Ę	<b>59</b> -	u seren		ition					CAD SEC
Ro	uti	ing (Pro	cess)	Pur	Key	IE 9	뛰	ode		新	番品	New	Par'	t No.	Œ	数0t	De			ar	Marie	1 1		•	Revi	sion		Late	出図予定 r Dwg. lass	밁RDD	PNo.	国内 Jpn.	Eng.	IB PP	新	280
		-B1D) -/	NE*AG*		П		$\neg$	I				_	Т			I	T	J/	ACK S	L 3−A.	561,	SCRE	劉使	用廃止。	/PARTI	AL DI	SUSE									Х
_	H*A			_	001	1	_		0911	<u>1</u> ⊢0	K15	0	┖			4	${f D}$						$\perp$									Х	Х	C	-	
AE=A				ı		H						_			ΛH	+	N	Y												-						$\vdash$
AH=A				₩	$\vdash$	$\vdash$	+	+		+	1	A	╫	lack	<del>\</del> \	+	┰	+					+							+-		H		-		$\vdash$
AK=A				ı		H			_		1	1 1	1			+	Η.													+						$\vdash$
		-B1D) -/ S∗AHA1S	AEN1S* S*AKK1S		1			ħ	$\Delta$	<b>T</b>					Ŧ	Ŧ	Ŧ	T					T					$\overline{}$		+						$\vdash$
		-B1D) -/	AE∗AG∗				П					0144			工		Т	J/	NCK S	UB-AS	SSY,	SCRE\		f設/NEW												LS
		K+LB		₩	001	+	4	1		109	<u> 111</u>	-0K1	180		+	_	1	+						1=09111-	-640AL			20	15/04/0	6 TYBK-	-0181	LS	LS		Z	$\vdash$
AE=A				ı		li									$\vdash$	+	4						124	4=ATC						+-						$\vdash$
AH=A	A-Al	HA1S		$\vdash$			$^{\dagger}$			Ť			T		$\dagger$	+	ŧ	$^{\dagger}$					Ť					$\vdash$								
LB=A	A-LI	BJ1S			$\vdash$		$\top$	T		$\top$			T		士		1	$\top$					$^{+}$													
_		-B1D) -/ S∗AHA1S	S*AKK1S	$\vdash$	$\vdash$	H	+	H		+	_		╁		+	+	╁	+					+							+						$\vdash$
*	LBJ	18															1						┸													
AA=A				0			T		0011	0 0	vas	^			T		$\perp$	L	\BEL,	JACH	( CAL	ITION	侠	用廃止。	/PARTI	AL DI	SUSE									X
YY=A				١.	001	2	+	_	0911	<u>9</u> -0	K23	0	╄		+	1	+	٠.	DEL	110		TION	١.	ten armi	10.000					+		X	Х	С	-	
AA=A YY=A				0	001		2			no	110	-0K2	) Son		$\vdash$	+	1	IL/	VBEL,	JACI	N CAL	ITION		f設/NEW			N, SP, P0	90	15/04/0	& TVEV	0121	LS	LS	- 1	z	LS
11-70	- vu			-	001	+	+			03	110	VIV	100		+	+	+	+						1=09119-			M, OF, PU	20	10/04/0	ollings.	V101		LO		-	$\vdash$
				I									ĺ		$\vdash$	$\top$	1							4=ATC	3 10/16	•				$\top$		1				$\Box$
承認( Appro				Da	ate	担当 Enz. De			CTION/		ARTS	DEST	GN	TYBK		承 :					Da	ite		查 scked			Date	ή≒ Prepa			$\Box$	Date	Tel Fax	:0566	6-36-	-7592
設家	美切	甘依	類書/	EC	I N	lo. 1		_					_										_		新車進 H15001	行管理	ME.		Ref ECI	erence No.			inte me	d 20 01	15/0 :46:	

TMMIN

## **Engineering Change Instruction Sheet**

579W 設 ENGIN		替 依 頼 書 ANGE INSTRUCTIONS			3 No. 57	79WY0777 ( 2/ 11 )	TASHIRO	
要旨 Purpose		切替に対する希望・条件 Change Condition Requested by E	ingineer	事前連絡 Advance Notice	R/C・F/F切替制約 Restri Change over Timing Concerning Cer	otion on 日本本語 1 tification TNC-ED Ov	i 複先 共用先 verlap Common	関係先 Related
標準化 - 共通化/STAND	ARDIZATION/C	1 次号試から/FROM 1A PRODUC 02,004) (A)単独/Independent Change 全品番/AII Part No.	TION TRIAL (001, 0	150223 MIK: 40867	無/Unrestricted	1K730		
Key Model Group		/Block Code	Key Model Group Cru	o. Variation/Block Code	Key Model Gro	up Cnp. Variation/Block	(19)	
適用 001 579〒 0900 範囲 002 579〒 0900		Total Disuse)						
Applica-003 579W 0900		rocar bradac/				18		<b>二(22</b>
ын ity <b>004 579₩ 0900</b>	W		(12)			(17)	(20)	
工程 Routing(Process)	自然名区分 相求LiB \$ Pur Key PP N	VI. Group III品番 Previous Part No. 新品番 New Part	選択SI. 補結 t No. 個数Ot. Det.	品 名 Part Name	変更事項 Revision	後日出版予定日 Later Dwg. lossus RDDPNo.	n 出図Dwg 互注 国内 海外 IE Jpn. Eng. P	
AA=AA (G-B1D) -AE*AG* AH*AK	001 1	09111-0K150		JACK SUB-ASSY, SCRE	署使用廃止/PARTIAL DISUSE		x x 0	_ X
AE=AA-AENIS AG=AA-AGRIS AH=AA-AHAIS AK=AA-AKKIS		10 (11)	13	15	16			2.
YY=AA (G-B1D) -AEN1S* AGR1S*AHA1S*AKK1S								$\blacksquare$
AA=AA (G-B1D) -AE*AG* AH*AK	001	1 09111-0K180		JACK SUB-ASSY, SCRE	W 新設/NEW ADOPTION 21=09111-640AL	2015/04/06 TYBK-0181	LS LS -	Z LS
AE=AA AG=AA		John State			24=ATC	2010/04/00 1100 0101	1 1 1	
AH=AA-AN AK=AA-AKKIS			1	4)			<b>2</b>	1
LB=AA-LBJ1S YY=AA (G-B1D) -AEN1S*								
AGR1S*AHA1S*AKK1S *LBJ1S							-	
AA=AAG YY=AAG	0 001 2	09119-0K230	1 L	ABEL, JACK CAUTION	使用廃止/PARTIAL DISUSE		x x c	_ X
AA=AAG YY=AAG	0 001	2 09119-0K260		ABEL, JACK CAUTION	新設/NEW ADOPTION 19=EN, CH, FR, RU, TH, IN, SP, PO	2015/04/06 TYBK-0181	LS LS -	Z LS
					21=09119-640AL 24=ATC		-	$\blacksquare$
题(CE) ir oved	Date 担当 Eng. De	版室 FUNCTIONAL PARTS DESIGN DEPT. NO.1	TYBK3 承認 Approved	Date	調査 Date Checked	作 成 Prepared	Fax:	66-36-7592
設 変 切 替 依 頼 書 /	ECI No. 1				新車進行管理部 H15001	Reference ECI No.	Printed Time	2015/03/19 01:46:17



#### 1. Typical model code column.

The model code (vehicle/engine/transmission), which is the same as the first 4-digits of the ECI number reserved is indicated.



#### 2. Signature column.

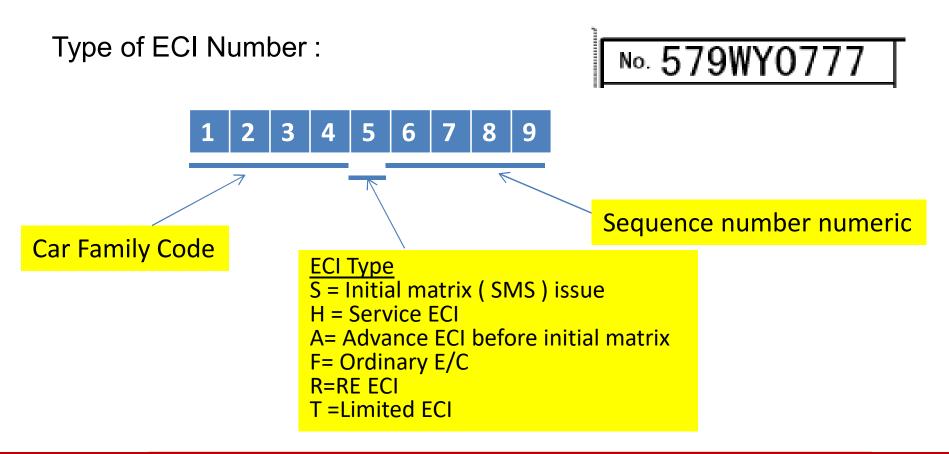
Engineering design staff code and the signature are indicated in this column.

承認(主査) Date 2015 担当室 Approved p.p. MITSUYOSHI MAR. 9 Eng. Design	FUNCTIONAL PARTS DESIGN TYBK3	承 認 Approved GONDA	Date 2015 MAR. 5
---	-------------------------------	-----------------------	------------------------



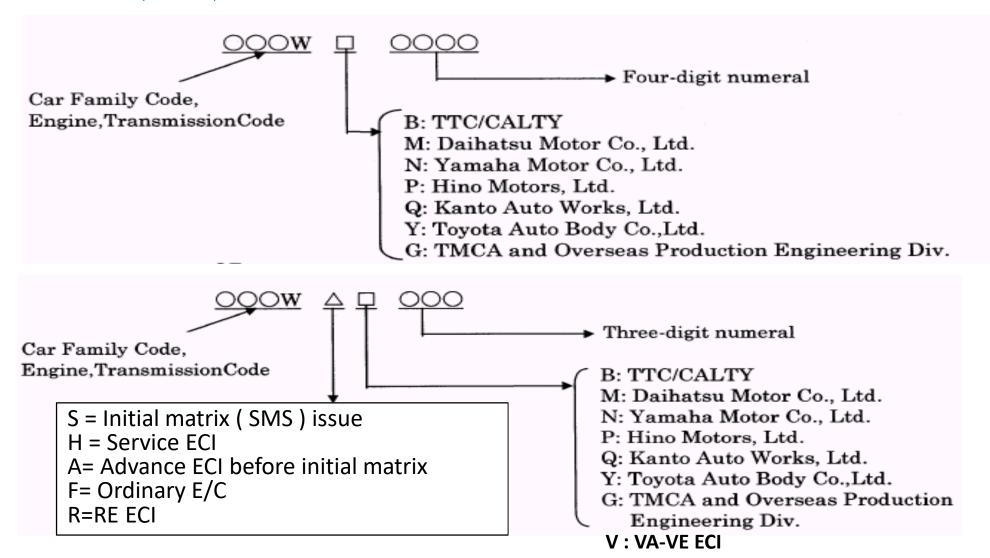
#### 3. ECI No.

ECI Number is indicated in the technical information (such as drawing, Technical Instruction Sheet) released along with the ECI, Supplier should recognize the revised contents by ECI No.





#### 3. ECI No (next).





#### 4. Purpose

This column indicates the purpose of the ECI. When necessary, the part name is indicated which the engineering is applied

要 旨 Purpose 標準化・共通化/STANDARDIZATION/C OMMUNIZATION

5. Change Condition Requested by Engineer

Change condition requested by engineer indicates engineer's proposed conditions for implementation of the ECI. The actual change implementation condition is instructed by "Implementation timing instruction sheet".

切替に対する希望・条件 Change Condition Requested by Engineer 1次号試から/FROM 1A PRODUCTION TRIAL(001,8 02,004) (A)単独/Independent Change 全品番/AII Part No.

ı	presperon present										_		-															
-[	工 程	白糖的	医分	構成	Lyl.	Group	旧品幣	Previous P	art No		選択	SI.	補給 Ser.		- 8	名			変更事業	a a			Condition	出版	₫Dwg.	互換的	生ht.	CAD
	Routing (Process)	Pur	Key					新品番			信題	0ţ.	Ser. Det.			Name			Revision		後月出図 Later Dwg		RDDPNo.	国内 Jon.	海外 Eng.	IEI PP	新WP	題0
ı	AA=AA (G-P1S+S1S)		П											COVER	SUB-	ASSY,	WHEE	新設/NEW	ADOPTION				B01	T	$\top$		$\Box$	N
ı	YY=M (6-P1S+S1S)		۸.		-1			4260B	-0K3	Ķ10		- 4		L HUB				21=N			2017/0	7/28	FMC3-1123	1.8	LS	-	X	
-[																		X						$\mathbf{T}$	ī		$\Box$	
ı						i		i		İ												<b>\</b>		1/_				
-[	AA=AK-AA(PIS*SIS)					$\neg$					П	S		NUT,	HUB W	//WASH	ER	使用追加	/ADDITIONA	L ADOPTION	V .	$\overline{}$	۸		T		$\Box$	N
ı	AK=AK (G-\$30) -AA		l A		-1	i		90942	-T10	)(O5		24												X	X	- 1	X	
-	sere are de membre a a deservi-	$\overline{}$									$\overline{}$													$\overline{}$	_		-	



#### 6. Advance Notice

In case engineer make arrangements with Supplier in advance, the Supplier name and the person name in charge are indicated.

事 前 連 絡 Advance Notice 150223 MIK:40867

#### 7. Restriction on Change over Timing Concerning Certification

- a. When there is no restriction, "Unrestricted" is indicated.
- b. When the ECI has a restriction for running change or field fix, running change application request sheet number is indicated.

R/C・F/F切替制約 Restriction on Change over Timing Concerning Certification 無/Unrestricted

R/C F/F切替制約 Restriction on Change over Timing Concerning Certification

R/C 申請依賴 No./Running Change Application

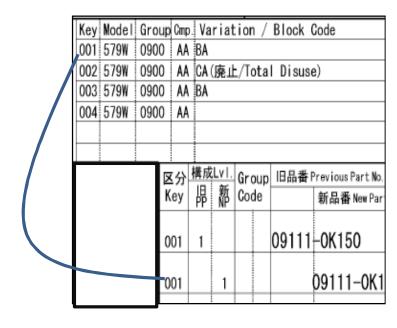
Request sheet No.:28B003

001Wと同時に切替: To be change Simultaneously with 001W



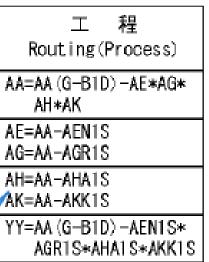
#### 8. Applicability & Key

In the ECI for Production parts, this column indicates information in reference to the Toyota Part List.



#### 9. Routing [Processes]

Routing (Processes) indicates production process or part flow for each part / component using Process Codes.





#### 10. Structure Level

This column indicates the structure level of parts/components changed in the ECI.

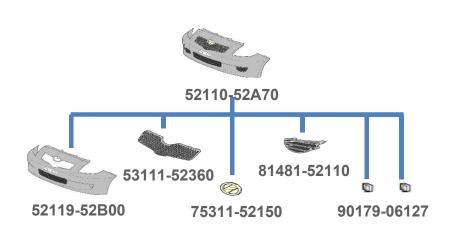
PP: before engineering change;

NP: after engineering change

If structure level is not changed by ECI,

NP column is left in blank.

構成	LvI. 新	Group Code	旧品番 Previous Part No. 新品番 New Part No.
FF	INIT		3774712
1			09111-0K150
	1		09111-0K180
2			09119-0K230
	2		09119-0K260



		1 74 1749	
L T L	S . U	FART No.	SEL STY-
01		52110-52A70	BUMPER ASS
02		52119-52B00	COVER PR
02		53111-52360-C	GRILLE. RA
02		75311-52150	ENELEN. RA
02		81481-52110-B	COVER. FOG
02		90179-06127-D	NUT 1 2



## Simulation of Change Leveling

Please make a Change of Part in :

		Minor	Major
Level	Part No		
1.	82100-0K101		
2.	82101-0K101		
3.	82121-0K010		
2.	82102-0K101		
3.	82121-0K010		



#### 11. Part Number

This column indicates all the part numbers changed by the ECI.

Check applicable part numbers to relevant supplier because part numbers which are not applicable to the supplier, may be included in the ECI.

There are two types in Part Number change:

- a. Major Engineering Change
- b. Minor Engineering Change.

旧品番目	revious Part No.	
	新品番 New Part	t No.
	-0K150	
	09111-0K1	80
09119	-0K230	
	09119-0K2	60
09111	-0K150	-A
579W	0900 AA B	A
579W	0900 AA	



#### 12. Selection Code (for local supplier)

When selective-use parts/components are adopted or disused, selection codes are indicated.

[ ]	Lvl		Clr.	Previous	s Part No.		Sl.		
PF	<b>)</b> []	NP	G.C.		New Pa	art No.	Qt.		
1				44320	-04010-	A	···1·····		
2	7			44330	-04010		. <u>S</u>		
		2			44330-	04011	<i>S</i> <b>₄</b>	$\rightarrow$	Selection code
2	}			44330	-04020		S. 4		
		2			44330-	04021	.S4		

#### Example ECI:

Either 44330-04010 or 44330-04020 may be selected as the components of 44320-04010 before the Engineering Change.

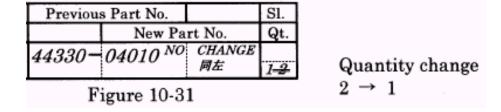
Now after the Engineering Change, either 44330-04011 or 44330-04021 is useable as the component of 44320-04010-A

The final decision which part is used depends on the instruction of Toyota



#### 13. Quantity

When quantity of part/components is changed, the change is shown. When this column is blank, quantity does not change.



#### 14. Service Determination

Service Determination Code indicates whether the part is treated as service supply unit or not. Definitions of the Service Determination Codes are explained in the Table.

Table 11-1 Service determination and definition

Service Determination	Definition
H	Service Part
HK	This part can be supplied with other part as
HS	Service Part.
НТ	Within a limited period, the part can be supplied as Service Part.
HF	To limited countries or for limited vehicles, the part can be supplied as Service Part.
HG	Not Service Part
HD	This part has been replaced with some other part as Service Part since the part was discontinued.
NR	This part has been replaced with some other part as Service Part.
N	Not Service Part
NC	Two betvice I are



#### 15. Part Name

Toyota part names are indicated.



#### 16. Revision

Revision indicates brief explanation of Engineering Change for each

part/component.



Note: Frequently used revision comments are tabled on next page.



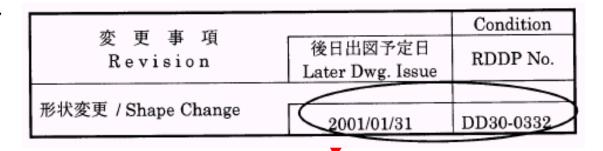
Table 10-2 Comments Used Frequently in the Revision Column of ECI's

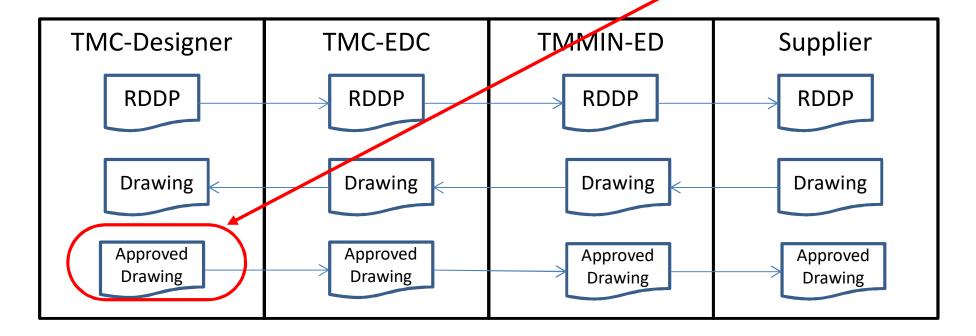
Comments	Meaning
TOTAL DISUSE	Parts/components are to be disused completely for all the Toyota vehicles.
PARTIAL DISUSE	Parts/components are to be disused for specific portions of Toyota vehicles and/or specific Toyota vehicles. The parts/components are still used for other portions/vehicles.
NEW ADOPTION	Completely new parts/components are to be used.
ADDITIONAL ADOPTION	Parts/components which are already in use for Toyota vehicles are to be used additionally for specific portions/vehicles.
REVIVAL	Parts/components which have been disused are to be used again.
TOLERANCE CHANGE	Tolerances indicated in drawings are to be changed.
SHAPE CHANGE	Shape of parts/components is to be changed.
MATERIAL CHANGE	Materials indicated in drawings are to be changed.
THICKNESS CHANGE	Thickness indicated in drawings are to be changed.
QUANTITY CHANGE	Quantity of parts per a vehicle and/or quantity of components per a part are to be changed.
CORRECTION	Wrong indication (including schematic expression) in drawings is to be corrected.
COMPONENT PART CHANGE	Components for sub-assembly/assembly parts are to be changed.
SERVICE DETERMINATION CHANGE	Service Determinations are to be changed.



#### 17. Later Drawing Issue

When Toyota issue drawing after released ECI, drawing issuance plan date is indicated. In the case of approval drawing, RDDP number is indicated.







#### 18. Color Code Change

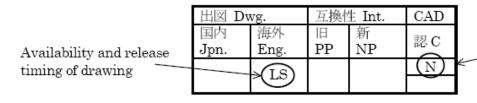
When a Part change have relation with Color Code, this column will add color code

	faarfason israa l	74										_											
	工 稈	白姑命	区分	構成	Lyl.	Group	旧品業	Previous P	art No.		選択SI.	稍料		品名		変更事項		Condition	出図	Dwg.	互換的		CAD
		Pur	Key	HВ	:新						個数0t	Ser Det		Part Name		Revision	後日出回予定日 Later Dwg, Issue		国内 Jpn.	海外 Eng.	IEI PP	新 IIP	题C
	AA=AA (G-P1S+S1S)		Γ.	Г	١.			4260B	_0K2	10				SUB-ASSY	. WHEE	新設/NEW ADOPTION	F0047/07/00	B01				Ţ,	N
- 1	YY=AA (6-P1S*S1S)	lacksquare	_^	$\vdash$	_ '	_		4Z00D	-uw	(IV	1 1 '	١_	L HUE	5		21=N	2017/07/28	F#G3-1123	LS	LS	-	Λ	
											$\vdash$	1				X							

#### 19, 20. Drawing/CAD data release

Drawing, and CAD column indicate availability and release of new/revised drawing/CAD data for each part/component with the following symbols:

Symbol	Definition	Symbol	Definition
Т	When the Toyota Drawing/CAD data is issued with ECI.	LS	When the Supplier's Drawing/CAD data will be issued after releasing ECI.
LT	When the Toyota Drawing/CAD data will be issued after releasing ECI.	×	The drawing/CAD data is prepared but not issued.
s	When the Supplier's Drawing/CAD data is issued with ECI.	N	The drawing/CAD data is not prepared.



-Availability and release timing of CAD data



#### 21. Interchangeability

Interchangeability (Int.) indicates whether new parts/components are interchangeable with previous part/components.

Meaning of interchangeability codes (A,B,C,X,Y and Z) is explained table below.



Treatment of previous part (Parts before engineering change) Interchangeability (Parts after engineering change)

Type of judgment	Classification	Contents
A	PP NV NV	Parts useable on a new vehicle as they are.
В	PP PV NV	Parts useable on a new vehicle by partial modification or combination. In this case, procedures for modification or combination are explicitly specified in the same engineering change.
С	PP NV NV	Parts not useable on a new vehicle.

Type of	Classification	Contents
judgment X	NP NV NV	Parts useable on a previous vehicle as they are.
Y1∼ Y3	PV NV	Parts useable on a previous vehicle by partial modification or combination. In this case, procedures for modification or combination are explicitly specified in the same engineering change.
z	NP PV NV	Parts not useable on a previous vehicle.

Notes: 1. PP: Previous part

2. NP: New part

3. PV: Previous vehicle, a vehicle equipped with parts before engineering change

4. NV: New vehicle, a vehicle to be equipped with parts after engineering change



## Please make sample of Change



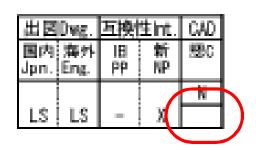
#### **22. CAD Certification**

When CAD data is available on Drawing, the CAD status will be informed in this column (same code with Drawing Status

出図	Dwg.	互換性	生ht.	CAD	
国内 Jpn.	海外 Eng.	PP PP	司簿	HED!C	
LS	LS	-	Х	N	ノ

#### 23. Certification

When Engineering Changes of parts/components concern certifications required by foreign regulation, O mark will be put in CERTIFICATION column for each of such parts/components.





578W 設 寥	E ER	切 ING		替 IAN		依 :		書 ONS															No. 5	78¥	NF72	214 27	<b>4</b>	JAR	OT		Τ			
要旨 Purpose		切替に対する希望・条件 Change Condition Requested by En								eer							R/C・F/F切替制約 Change over Timing Conce					Restriction or erning Certification							共用: Comm		関係先 Related			
その他/OTHERS			AS SOON AS READY( A, B, C, (A) 単独/Independent Change (B) 同時/Simultaneous Change (w 169 (F) 重複/Duplicate Description								(with) 01:578WF7				REFER TO MIK NO. 485 67			無/Unrestricted									DN150 FI		MC30				30	
									Key	Mode	el Gro	oup Cr	np.	np. Variation/Block Code					Key	Hoo	de l'Gr	oup 0	λmp. Va	ariation/Block Gode										
適用 A 578W 4260 5 範囲 B 578W 4260 5									+	-	+	+	-								+	-	+	-	-									
Applies- C[578W] 4260 [5	52	08																																
bility D 578W 4260 5									$\perp$		_	_	_								$\perp$			_	_								=	
001 578W 4260 5		N4							+	-	+	+	-								+	+	+	$\rightarrow$	_								-	
T 10	-	区分	構成	Lyl. g	irous	旧品幣	Previous P	Part No.		122	訳SI.	補給			a	名		Т		交 更	事項	1		$\equiv$			Conditio							
Routing (Process)	Pur	Key	鼎	新	ode	300 1410 1400		New Pa	rt No	. 65	ShOt.	Ser. Det.				Name					ision			後日 Late	steller The or Dwg. b	定日	RDDPNo	Jpn Jpn	9 海 Er	₽9¥ ng.	IEI PP	新肥	题C	
AA=AA (G-P1S+S1S)		П			Т		40000	O.V.O.	_	士		_		/ER SU	IB-A	ASSY,	WHEE		設/NEW	AD0P1	TION			=		_	B01		Т				N	
YY=AA (G-P1S+S1S)		- 1		-1	+		4260B	-0K31	0	+	- 4	Н	L h	IUB				21	=N					20	17/07	/28	FMC3-112	3 LS	<u> </u>	LS	-	х	-	
		ш			l					$\vdash$	+	1 1						r								$\neg$		$\dashv$				ŀ	-	
AA=AK-AA(P1S+S1S)					Ť		00040	T100	_	┰	S		NUT	r, HUB	: W/	WASHE	R	侠	用追加	/ADD I1	FIONAL	. AD	OPTIO	N_			۸						N	
AK=AK (G-S3D) -AA YY=AK (G-S3D) -AA (P1S*		-1		-1	+		90942	-T100	5	+	24	Н						+						_		-		Х	+	X.	-+	Х	-	
S1S)		ш								$\vdash$	+	1 1																$\dashv$				ŀ	-	
JT=JT (G-K1D) -AA		Π.			Т		00040	0110		┰	S		NUT	r, HUB	W/	/WASHE	R	使	用追加	/ADD I1	FIONAL	. AD	0PT10	N_			٨		Т				N	
AA=JT-AA (P1S+S1S) YY=JT (6-K1D) -AA (P1S+		1-1	Н	-4	+		90942	-0110	9	+	24	1-1						+								$\dashv$		Х	+	х	-	Х	-	
SIS)		Ш								$\vdash$		1 1																	İ		İ	- 1		
AA=AA (G-P1S)							42608	OKOO	^	$\perp$	Ι.				IB-A	ASSY.	WHEE			AD0P1	TION						B01	J.,	Ι.				N	
YY=AA (G-P1S)		В		-+	+		42000	-0K32	<u> </u>	+	+4	Н	L	IUB				21 x	=N					20	17/07	/28	F#C3-112	3 LS	-	LS	-	Х	-	
												1 1						r																
AA=AK-AAP1S AK=AK (G-S3D) -AA		В		-			00042	-T100	c	$\neg$	S		NUT	r, HUB	W/	WASHE	R	侠	用追加	/ADD I 1	FIONAL	. AD	OPTIO	N_			Α	_ x	1	ΨŢ.		, l	N	
YY=AK (G-S3D) -AAP1S		H	$\vdash$	-	+		90942	-1100	5	+	24	Н						+						_		$\dashv$		^	+	X.	-	Х	-	
11-11(4 000) 14110		Ш										1 1																						
JT=JT (G-K1D) -AA AA=JT-AAP1S		В		,			00042	-0110	0	$\vdash$	S 24		NUT	r, HUB	W/	WASHE	R	侠	用追加	/ADD I 1	T I ONAL	. AD	OPTIO	N			Α	- ×		۰l	_	x I	N	
YY=JT (G-K1D) -AAP1S		۳		-+	+		00042	. 0110	0	+	129	Н						+						_		$\dashv$		+^	+	X	-	^	-	
		Щ		$\perp$	┵					—		Щ						丄				_						⇉	Ц.	$\perp$			$\Box$	
承認(CE)	Da	ite		当室 Dresid		V SECTION		LNIC	FMC	20 II	承 18 Noprey	-				Dat	- 1	調 Chao					Date	f# Prepa				Dat			2790 2790			
Approved	1				- Jun	mosis El	red I NEE ER	ING		- 1'	eth- ex	<u> </u>						ones		新市港	行管理	1000		27 KGB		ofor	ence	1,						
設变切替依賴書/	ΕC	I No	o. 1																	#1443E H15001		1001				erer CI N		- 15	er ir Limo	nted	201	4613	17 10	



## Thank You