

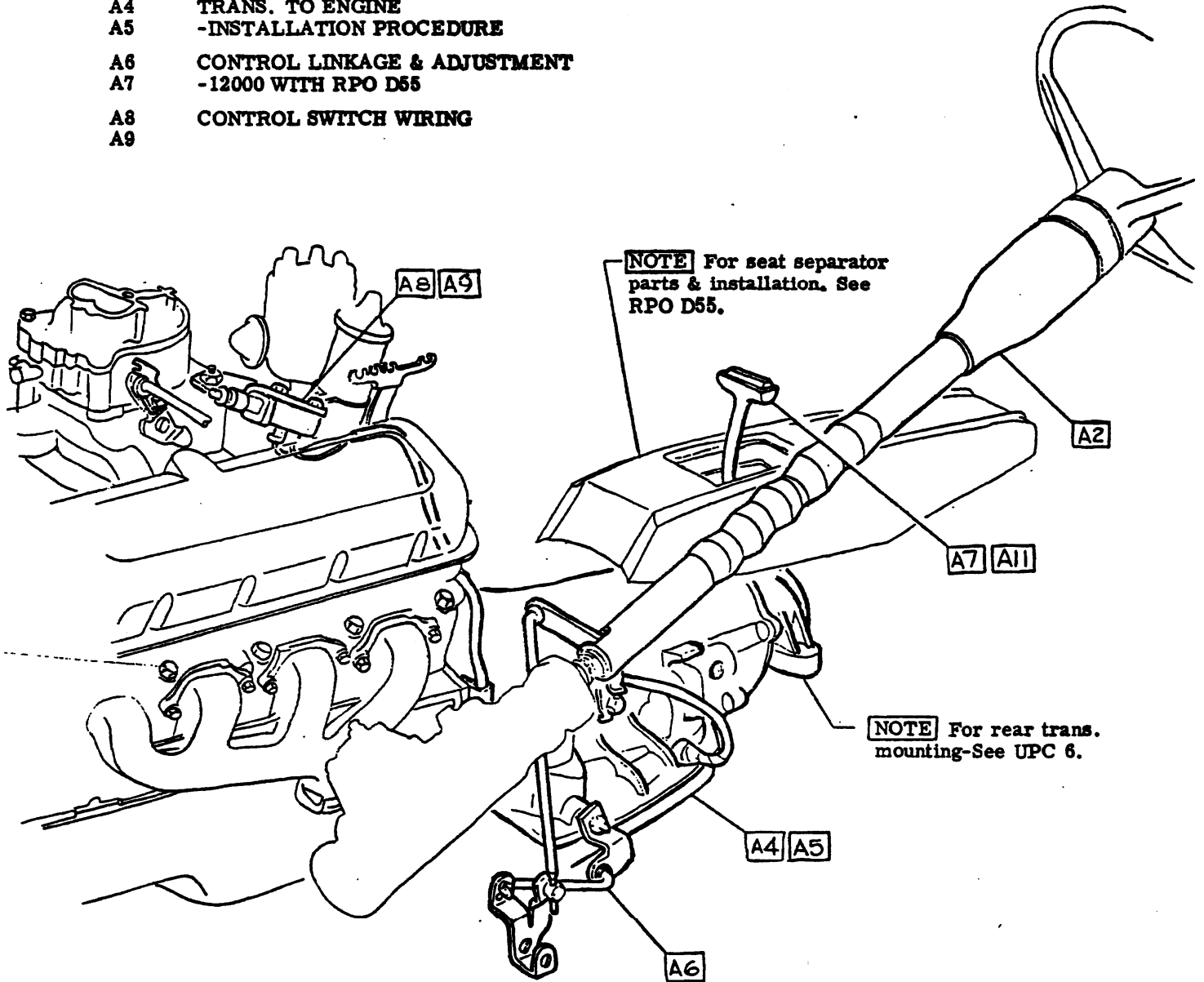


CHEVROLET

ASSEMBLY INSTRUCTIONS

3891775 "F" CAR 12000 SERIES

SHEET	TITLE	SHEET	TITLE
A1	CONTENTS	A10	OIL COOLER LINES
A2	NON-ILLUSTRATED PARTS LIST.	A11	NEUTRAL SAFETY SWITCH
A3	R.R. AXLE & PROP. SHAFT	① A12	SUPPORT ASM.-RPO L35
A4	TRANS. TO ENGINE		
A5	-INSTALLATION PROCEDURE		
A6	CONTROL LINKAGE & ADJUSTMENT		
A7	-12000 WITH RPO D55		
A8	CONTROL SWITCH WIRING		
A9			



CHEVROLET MOTOR DIVISION, GM CO.				UPC	DATE	SYM	REVISION	ECORR	AUTH.	DR	CK
3 SPD AUTO. TRANS.-CONTENTS				M 40	1-19-67	1	SHEET "A12" ADDED		10798	RT	CI
12000 V-8 ENGINE					A1						
DWG 8-19-66	RFM	REF: ECR 80921	L- L-								
DATE REL 8-26	DP	L- L-	L-								



**NOTE** The following components are not illustrated in this R.P.O.  
See Parts List or Bill of Material for part numbers.

- UPC 1 BODY  
1A-1 BODY AS PURCHASED
- ② UPC 2 FRAME  
2B FRAME  
(Side & cross member asm)- ①
- UPC 5 BRAKES  
5C BRAKE PEDAL & CONNECTIONS-Assemble same as RPO M35
- UPC 7 TRANSMISSION  
7A TRANS. EXTERNAL CONTROLS-Assemble same as RPO M35  
① 7B1B CLUTCH CONTROLS  
(Clutch pedal push rod hole cover)-assembles same as RPO M35
- UPC 9 STEERING  
9A STRG. GEAR & PITMAN ARM  
(Strg. Column Asm.)-①
- UPC 12 ELECTRICAL  
12H WIRING  
(Inst. Panel Wiring Harness Asm)- ①  
③ 12J SPEEDO CABLE  
(Speedo Gear, Fitting & Retainer)- ①



① Assemble same as production. See Parts List or Bill of Materials for part numbers.

* CHEVROLET MOTOR DIVISION, GMCO *				UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
T I T L E	3 SPD. AUTO. TRANS. -NON ILLUSTRATED PARTS			M40	9-19-66	1	"7B-1B" ADDED	EC921	RM	
					10-17-66	2	"UPC 2" ADDED	EC921	RM	
					11-29-66	3	12J ADDED	EC921	RE	
M O D	12000 V-8 ENGINE			A2						
	DWG 8-19-66	RFM	REF: ECR 20921 L-		L-					
	DATE REL 8-26	DP	L- L- L-							

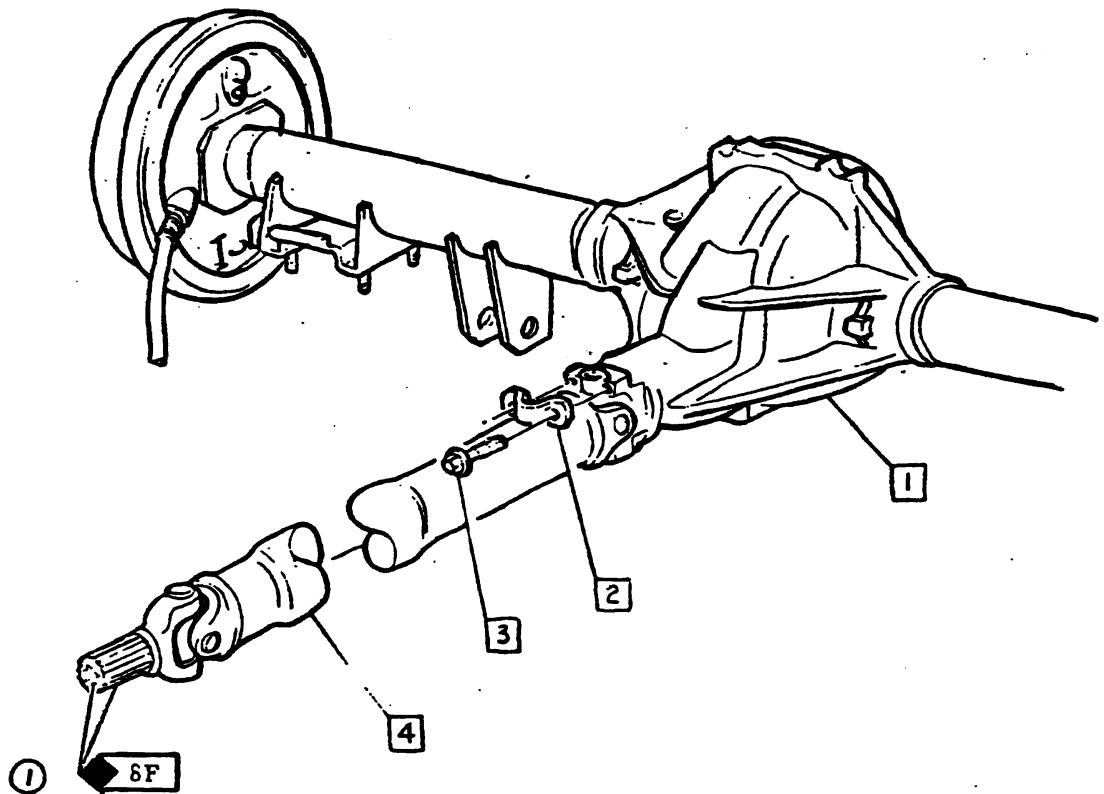


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3891775 "F" CAR 12000 SERIES

- ② 1 3920569 AXLE ASM
- 2 3882979 STRAP
- △ 3 3887348 BOLT
- 4 7801406 SHF. & UJT. ASM. -PROP.
- ① 5 8F GREASE-.02 lb.

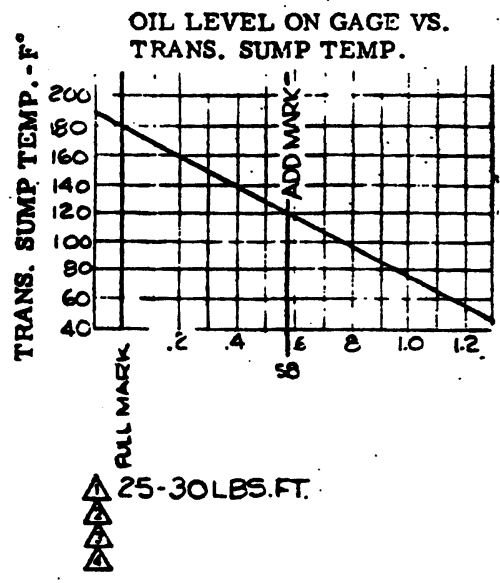
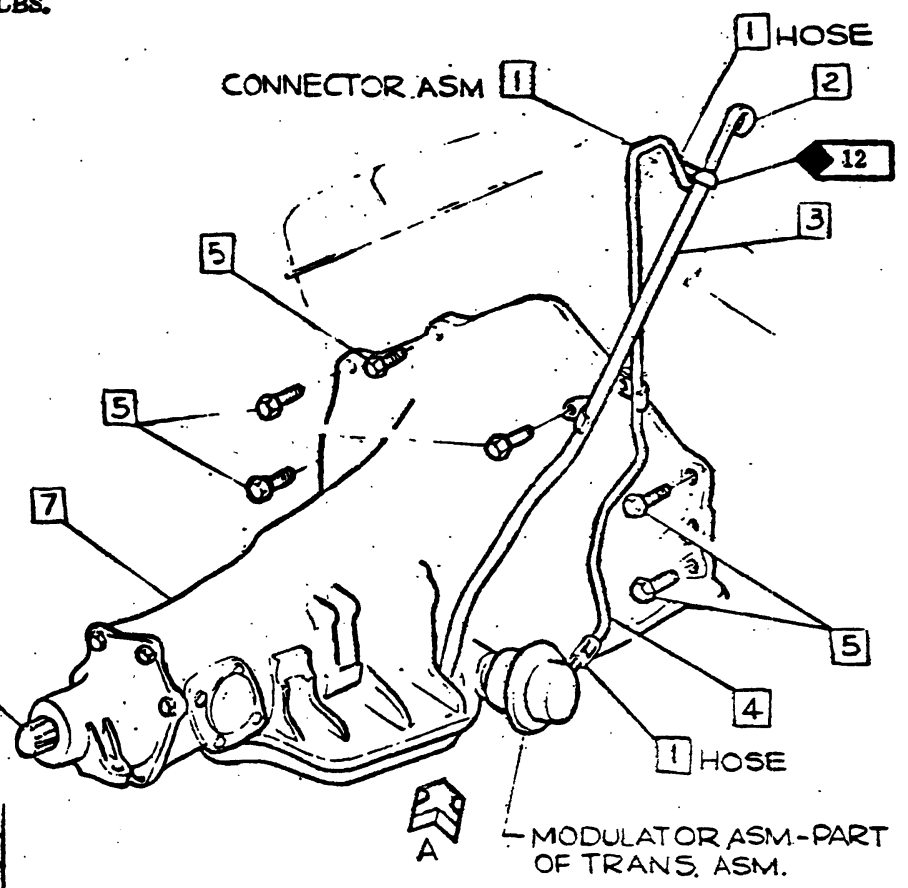
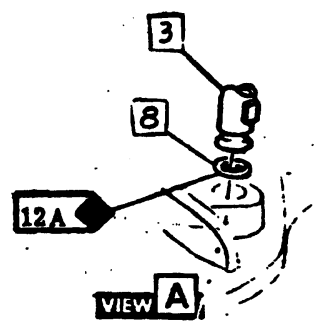


△ 12-17 LBS. FT.  
 △  
 △  
 △

• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
3-SPD AUTO TRANS-REAR AXLE & PROP SHAFT		M40	P. 11	1	ITEM 5 ADDED	42960	ML	LI
			21767	2	WAS 391082Z AXLE ASM.	55179	ML	LI
12000 V-6 ENGINE		A3						
DWG 8-19-66	ZFM		REF: ECF 80321	L-83693	L-63693			
DATE REL 8-26	DP							



- 1 Parts & installation-same as RPO.M35
- 2 3905449 GAGE ASM
- 3 3868812 TUBE ASM
- 4 3915021 PIPE ASM
- 5 179842 BOLT
- 6 8F GREASE - .02 LBS.
- 7 8625685 TRANS ASM.
- 8 1164253 SEAL
- 9 12 FLUID-AUTO TRANS-1 GAL.
- 12A



**INSTRUCTION FOR FILLING**

Add specified amount of fluid thru trans. filler tube prior to starting engine. With transmission in neutral range & throttle set at fast idle cam, start engine & allow to run for one minute.

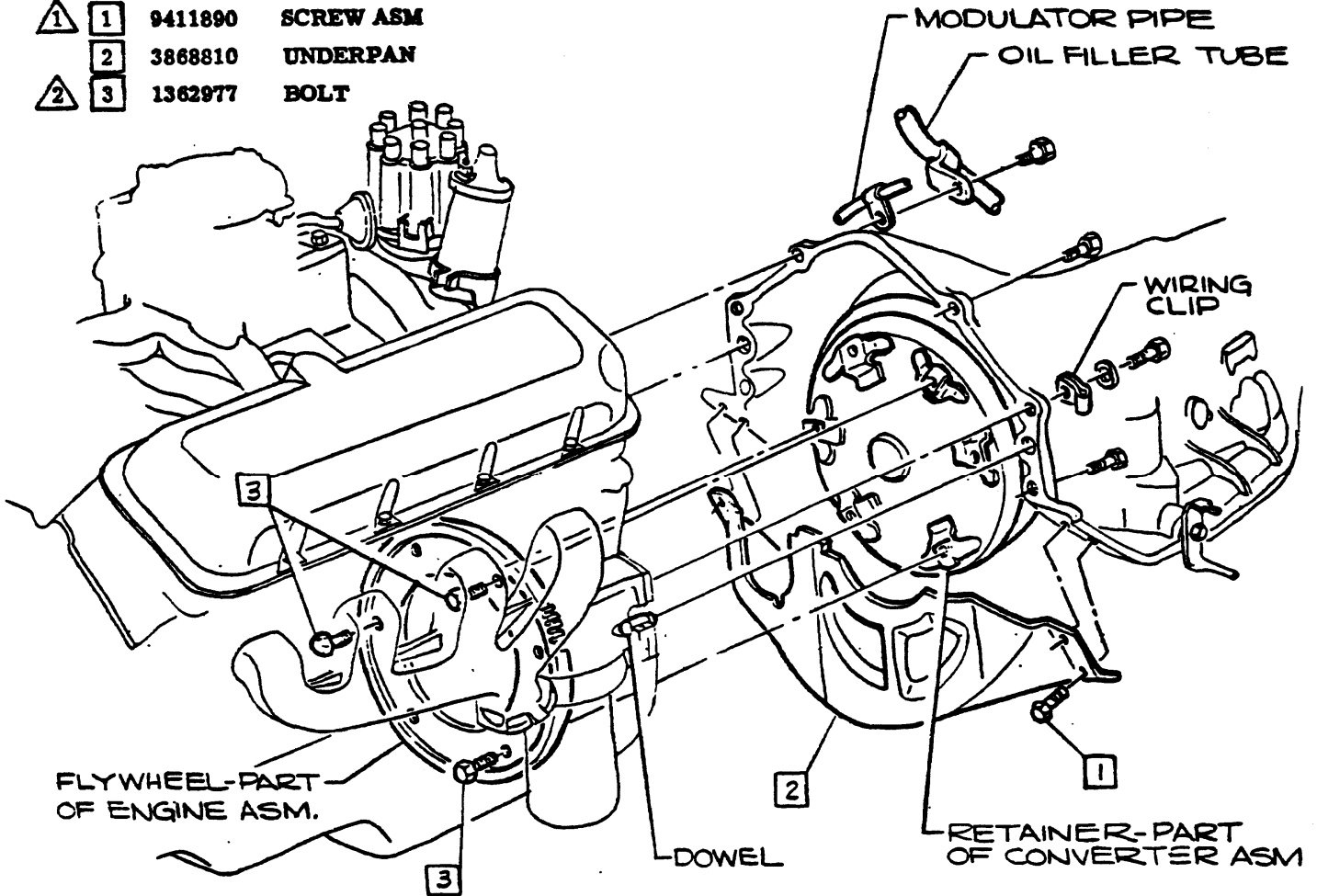
The oil level (measured with engine idling & trans. in neutral range) must be within 1/4 inch of the point on the gage asm. shown on the chart at left.

**CAUTION** To avoid damage to transmission, the vehicle must not be driven with fluid more than (1) inch above or below "FULL MARK".

CHEVROLET MOTOR DIVISION, GM CO.		UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
3 SPD. AUTO. TRANS. -TO ENGINE		<b>M40</b>	9-19-66	1	WAS 3905406 PIPE	81901	RM	AK
12000 V-8 ENGINE			4-14-67	2	SYM 4A FLUID REMOVED	56435	SV	
DWG 8-19-66 REF. REF. CR80921 L-		<b>A4</b>		3	ITEM G ADDED			
DATE REL 8-26				4	SYM 8F WAS SYM 4A			C1



- ▲ 1 9411890 SCREW ASM
- ▲ 2 3868810 UNDERPAN
- ▲ 2 3 1362977 BOLT



**SUGGESTED INSTALLATION PROCEDURE**

1. Remove converter safety clamp. **CAUTION** Make sure that converter has not slipped forward.
2. Enter transmission case into dowels on engine & assemble modulator pipe clip & oil filler tube on right side of case with bolt as shown.
3. Assemble wiring clip on left side of case with bolt as shown.
4. Seat converter snout in crankshaft pilot hole.
5. Drive (6) transmission case to engine bolts.
6. Drive (3) flywheel to converter bolts.
7. Assemble converter underpan.

**CAUTION** Hand start all converter bolts prior to torquing.

- ▲ 75-110 LBS. IN.
- ▲ 30-35 LBS. FT.
- ▲
- ▲

• CHEVROLET MOTOR DIVISION, GMC •				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK
Y	3 SPD. AUTO. TRANS. - INSTALLATION PROCEDURE			<b>M40</b>						
L										
M	12000 V-8 ENGINE			<b>A5</b>						
D										
DWG	8-19-66	RFM	REF. ECR80921 L-							
DATE	REL 8-26	DP	L- L-							
				SHEET X						

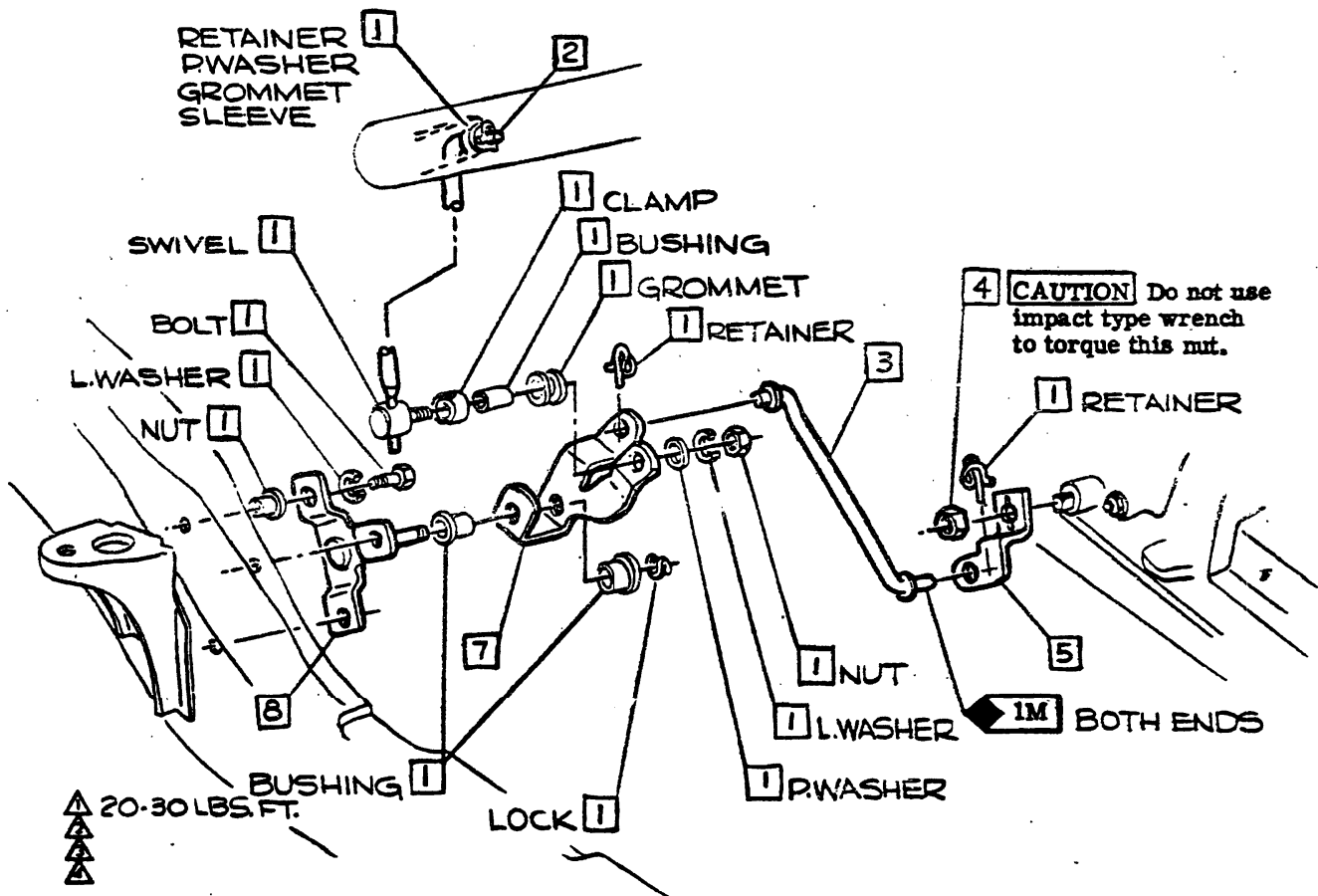
- 1 Part numbers & installation-Same as RPO M35
- 2 3912617 ROD
- 3 3914805 ROD
- 4 9418931 NUT
- 5 3914807 LEVER

- 6 1M GREASE .0066 LBS.
- 7 3912619 LEVER-IDLER
- 8 3814801 SUPPORT ASM



**TRANSMISSION CONTROL LINKAGE ADJUSTMENT**

Same as RPO M35 except for obtaining "DRIVE" position. **NOTE** Obtain "DRIVE" position by moving transmission lever counter clockwise to low detent, then clockwise two detent positions to "DRIVE".



• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CX
3 SPD. AUTO. TRANS. -CONTROL LINKAGE & ADJUSTMENT		<b>M40</b>						
MOD 12(00 (Exc. RPO D55)		<b>A6</b>						
DWG 8-19-66	RFM	REF: ECR 80921 L-81040 L-						
DATE REL 8-26	DP	L- L- L-						
		X SHEET						

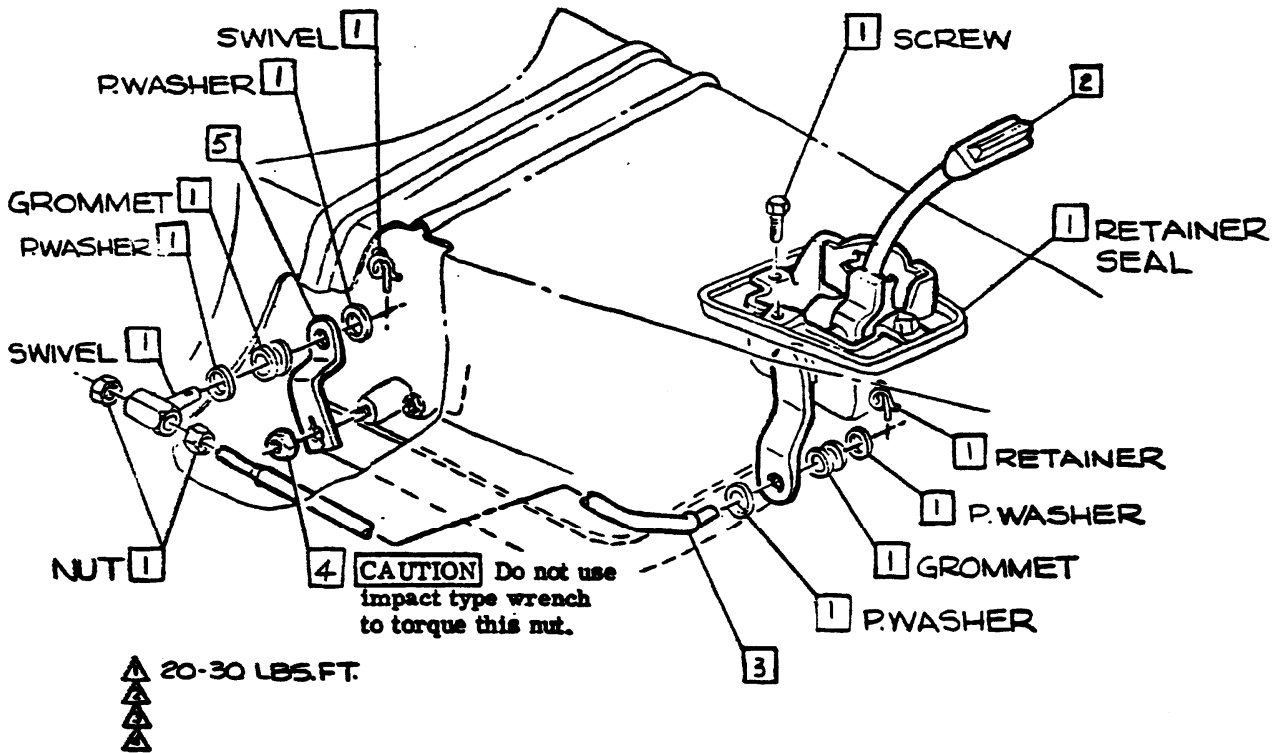


- 1 Part numbers & installation-Same as RPO M35
- 2 3912607 BRACKET ASM
- 3 3912613 ROD
- 4 9418931 NUT
- 5 3904028 LEVER

**TRANSMISSION GEARSHIFT & CONTROL ADJUSTMENT**

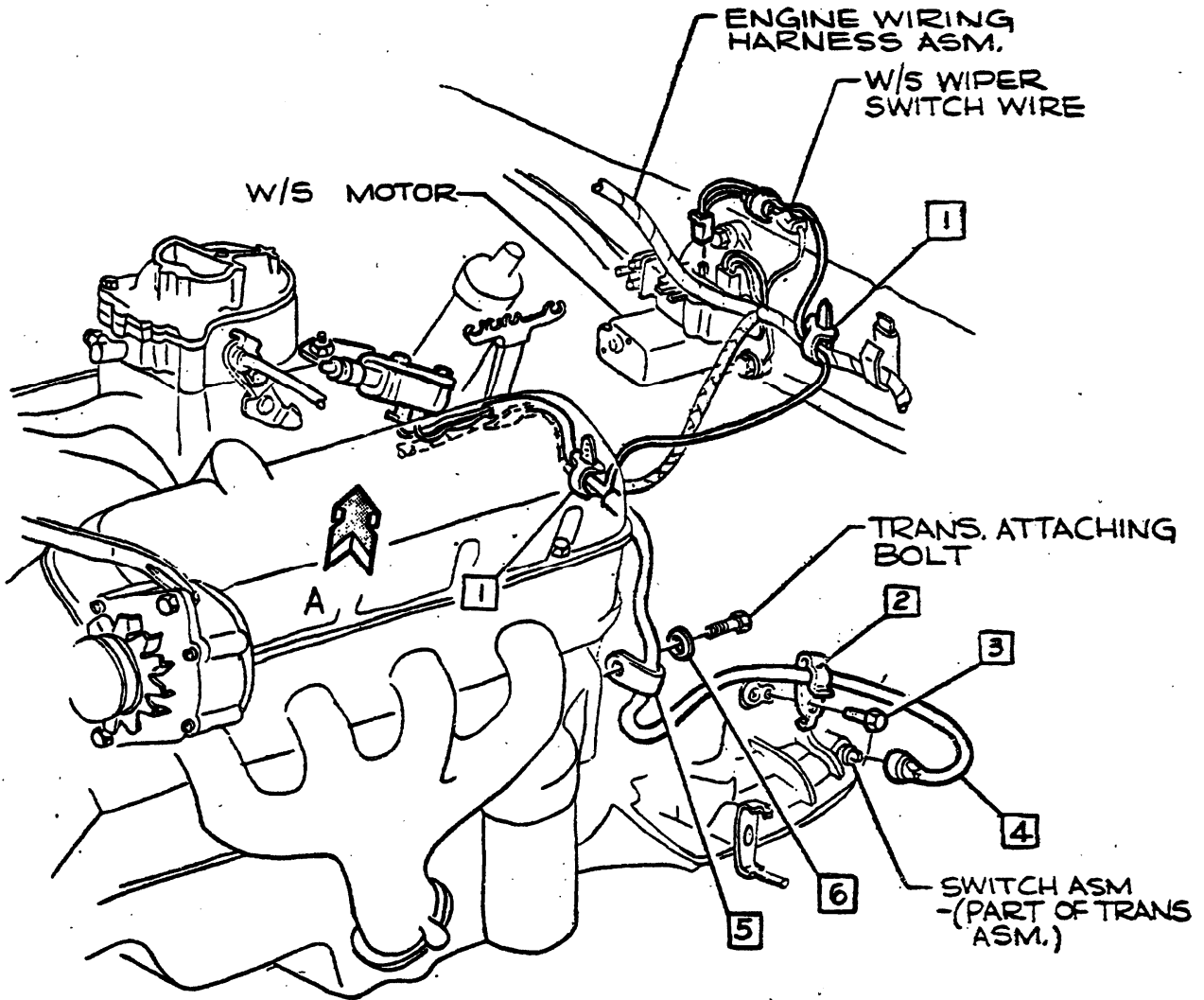
Same as RPO M35 except for obtaining "DRIVE" position.

**NOTE** Obtain "DRIVE" position by moving transmission lever counter clockwise to low detent, then clockwise two dent positions to "DRIVE".



• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION	RECORD	AUTH.	DR	CK
3 SPD. AUTO. TRANS. -CONTROL LINKAGE & ADJUSTMENT		<b>M40</b>							
12000 WITH RPO D55		<b>A7</b>							
DWG 8-19-66	RFM REF. ECR 80921L-83693 L-	<input checked="" type="checkbox"/> SPEED							
DATE REL 8-26	DP L- L- L-								

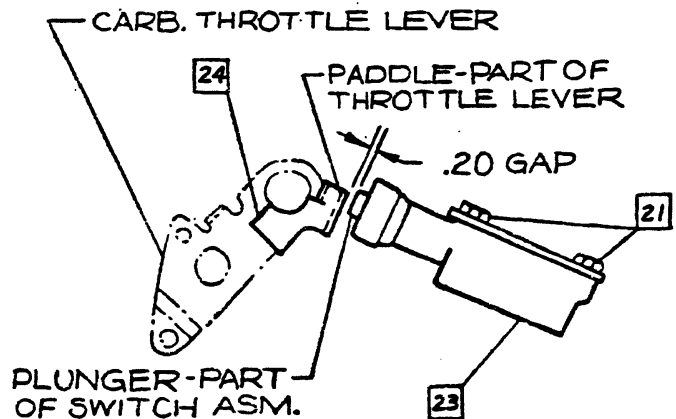
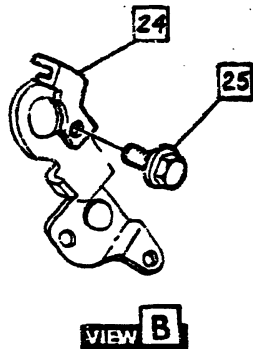
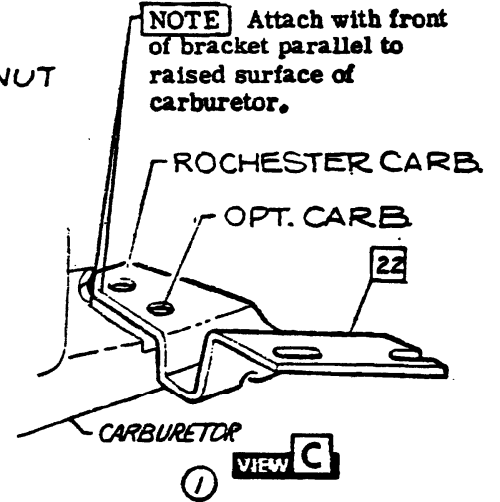
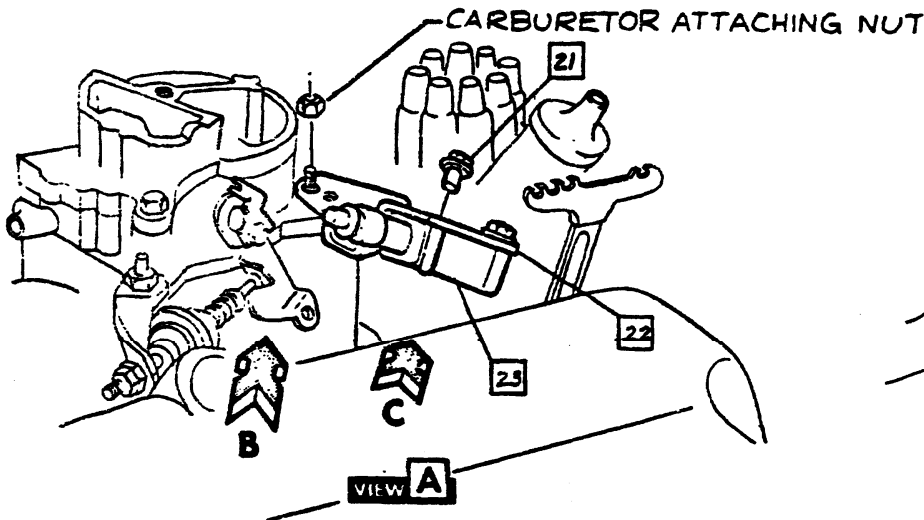
- 1** 9422033 STRAP
- 2** 1368774 CLIP
- 1** **3** 3837950 SCREW
- 4** 2989257 WIRE ASM
- 5** 2404001 CLIP
- 6** 382105 P. WASHER



CHEVROLET MOTOR DIVISION, GMC			UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CR
TITLE	3-SPD AUTO TRANS-CONTROL SWITCH & WIRING			M40					
	MOD 12000 V-8 ENGINE				REF A9				
	DWG 8-19-66	RFM	REF. ECR 80921 L-83651 L-	A8					
	DATE REL 8-26	DP	L- L- L-	<input checked="" type="checkbox"/> SHEET					



- 21** 423595 SCREW ASM
- 22** 3909630 BRACKET
- 23** 1993388 SWITCH ASM
- 24** 3910964 LEVER (Ident color-Dark Green)
- 25** 9419320 SCREW ASM



**TRANS. CONTROL SWITCH ADJUSTMENT**

With carburetor lever in wide open throttle position & automatic choke in "OFF" position, fully depress plunger of switch. Slide switch toward paddle of throttle lever maintaining a  $.20 \pm .01$  gap between switch plunger & lever paddle. Then tighten switch attaching screws to recommended torque.

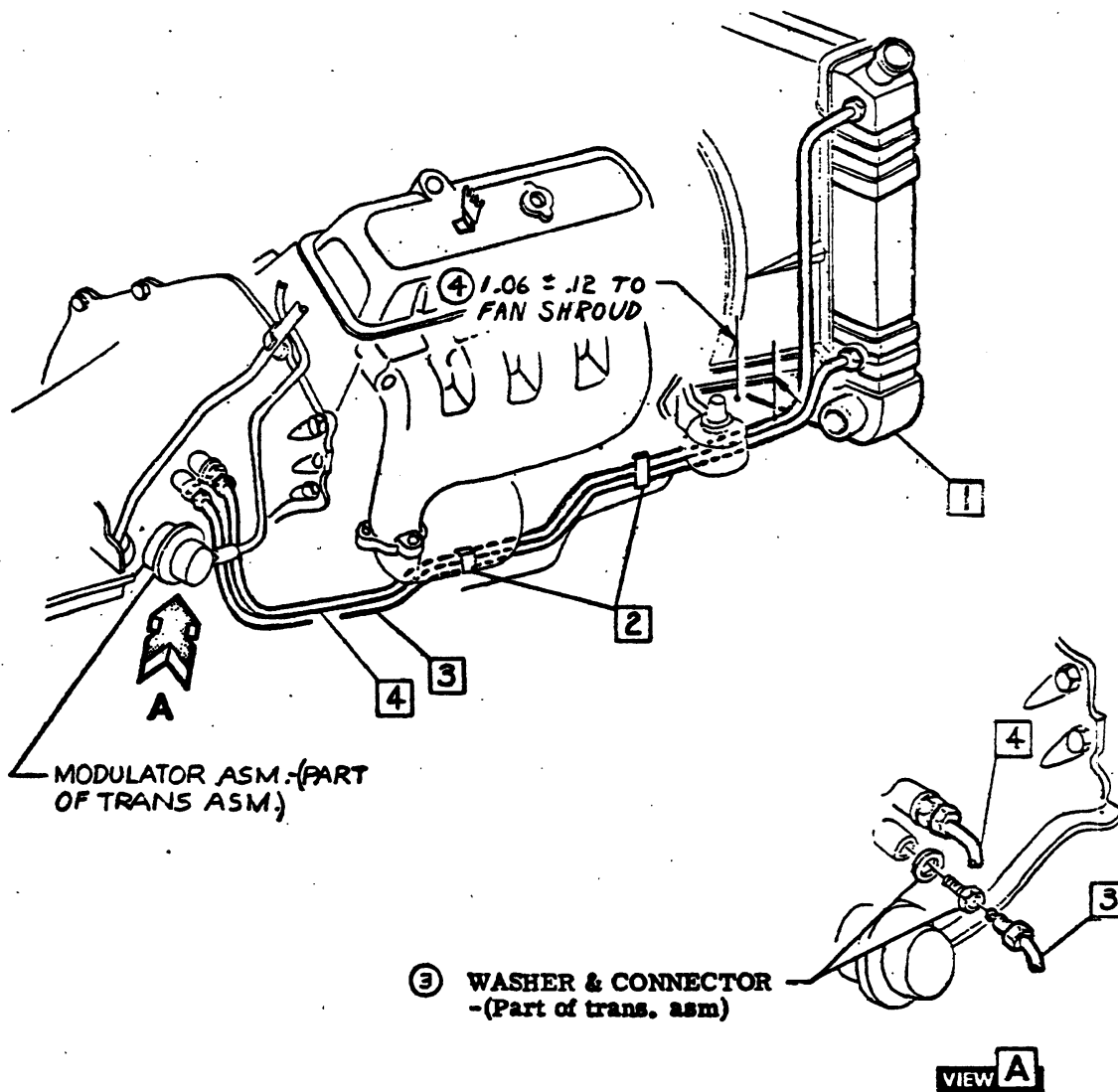
Allow carburetor lever to return to the closed position.

- 20-30 LBS. IN.**
- 18-24 LBS. IN.**

• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE SYM	REVISION RECORD	AUTH. DR. CK.
3-SPD AUTO TRANS-CONTROL SWITCH & WIRING		<b>M40</b>	3-30-67	VIEW "C" REVISED	85630/RT/CI
12000 V-8 ENGINE			REF. A8		
DWG 8-19-66		REF. A9			
DATE REL 8-26	REF. ECR 80921 L- 83651 L-	SHEET X			
DP	L- L- L-				



- 1 3012349 BODY ASM.-RADIATOR
- 2 3710497 CLIP
- ① 3 3912614 PIPE ASM-INLET
- ② 4 3912615 PIPE ASM-OUTLET

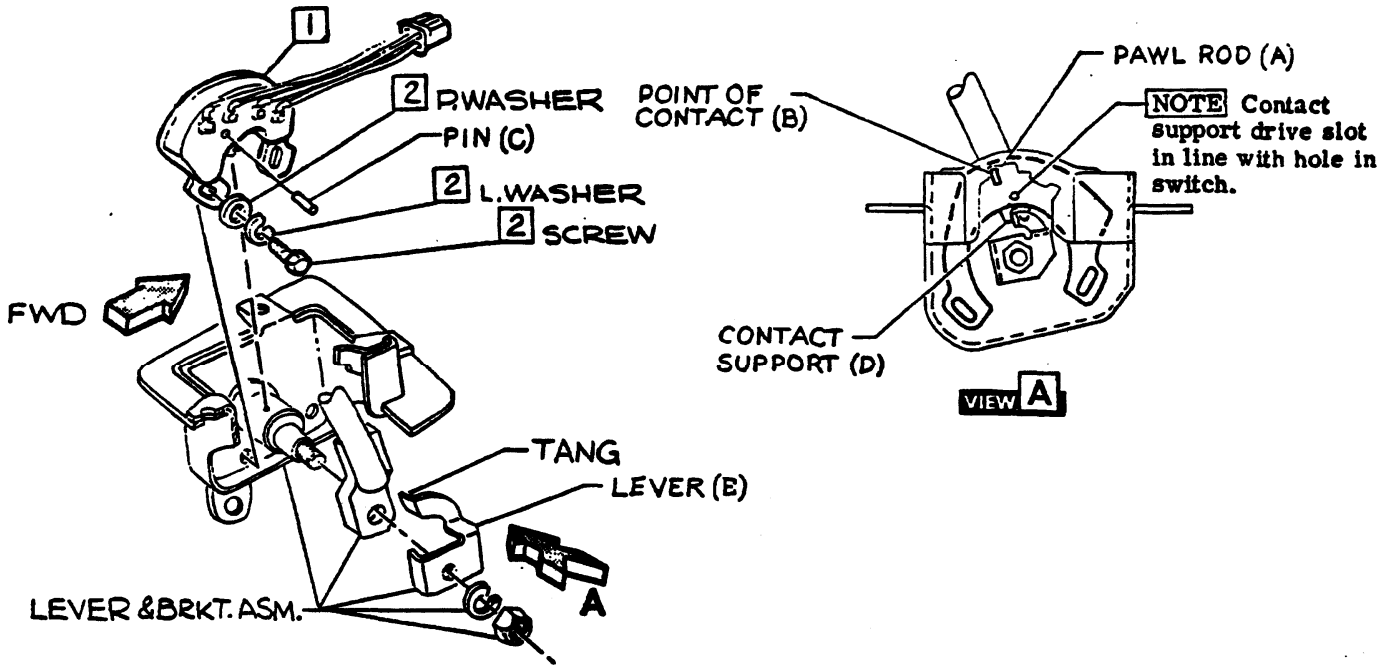


- ▲ 115-135 LBS.IN.
- ▲ 100-125 LBS.IN.
- ▲
- ▲

CHEVROLET MOTOR DIVISION, GMC		UPC	DATE	SYM	REVISION RECORD	AUTH	DR
3 SPD. AUTO. TRANS.-OIL COOLER LINES 12000 V-8 ENGINE	<b>M40</b>  <b>A10</b>	X1 SHEET	10-28-66	1	386297 CONN (100-125 LBS. IN.)	79:72	EM
				2	1194600 WASHER RMVD.		
				3	WAS ITEM 5 & 6		DF
			2-23-67	4	DIM "1.06 ± .12" ADDED	84970	ST
DWG 8-19-66	KFM	REF: ECR 809211-83693 L-					
DATE REL 8-26	DP	ECR 80698 L-					



- 1 3909591 SWITCH ASM
- 2 Parts & installation-Same as RPO M35



**RECOMMENDED INSTALLATION PROCEDURE**

1. Position Lever & Brkt. Asm. in "DRIVE". Clamp Pawl Rod (A) against Point of Contact (B) of detent. See View A.
2. Align slot of Contact Support (D) with .093 / .097 dia. "DRIVE" hole in Switch Asm. Insert Pin (C) to a minimum depth of .25 to hold Contact Support in place. See View A.
3. Assemble Switch Asm. to Lever & Brkt Asm with Tang of Lever (E) engaged in slot of Contact Support (D).
4. Tighten mounting screws using recommended torque.
5. Remove Clamp and Pin (C).

**RECOMMENDED INSPECTION PROCEDURE**

1. Position shift lever in "Neutral."
2. Move lever forward to remove all play in linkage. **CAUTION** Do not move out of detent in transmission.
3. Turn ignition switch to "Start." Engine must start but vehicle must not move. Shut off engine.
4. Repeat procedure by moving lever rearward.
5. Position shift lever in "Reverse".
6. Move lever rearward to remove all play in linkage. **CAUTION** Do not move out of detent in transmission.
7. Turn ignition switch to "Start". Engine must not start.
8. Position shift lever in "Drive".
9. Move lever forward to remove all play in linkage. **CAUTION** Do not move out of detent in transmission.
10. Turn ignition switch to "Start". Engine must not start.



• CHEVROLET MOTOR DIVISION, GMC •		UPC	DATE	SYM	REVISION RECORD	AUTH	DR	CK
AUTO TRANS-NEUTRAL SAFETY & BACKUP LAMP SWITCH		M40						
12000 USE WITH RPO D55		A11						
DWG 8-19-66	RFM	REF: ECR 80921	L-80797	L-80351				
DATE REL 8-26	DP	L-	L-	L-				

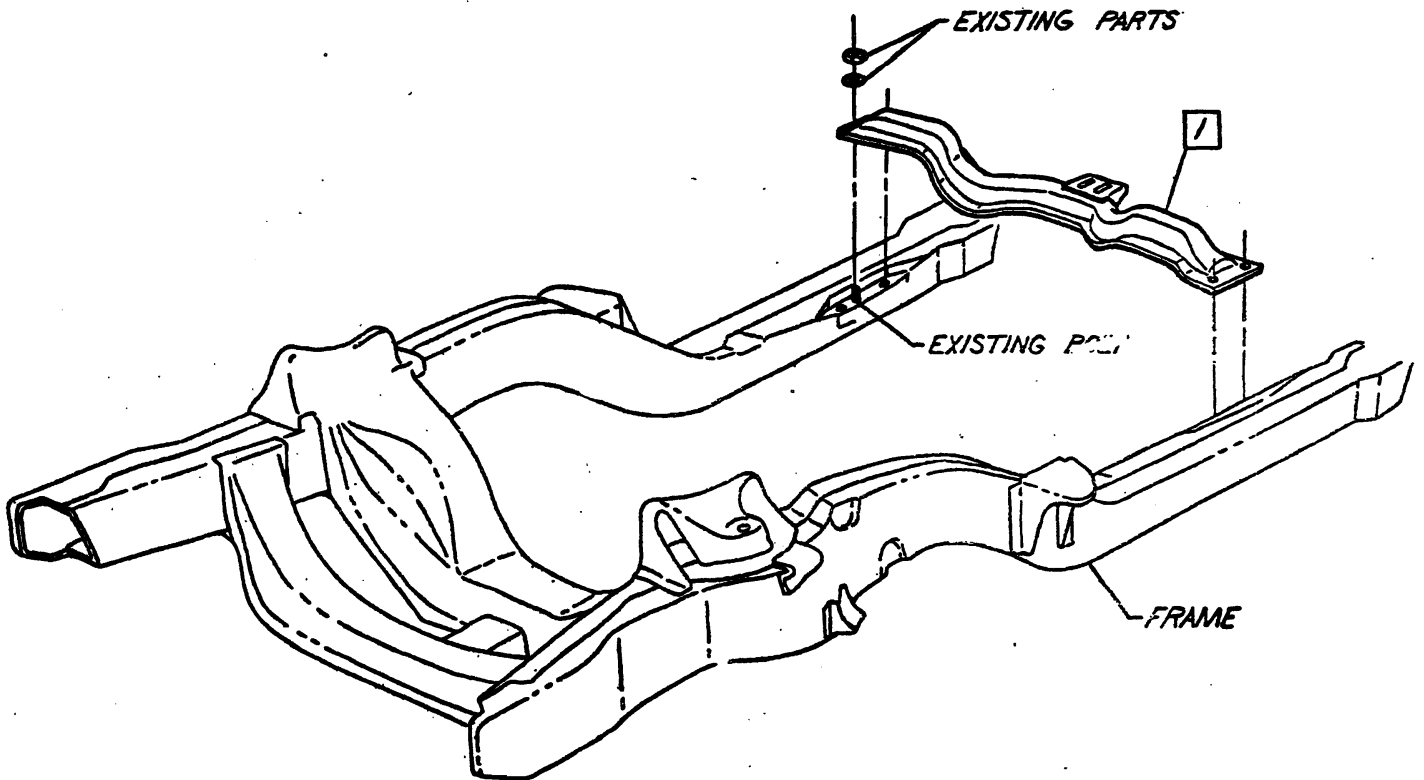


CHEVROLET

ASSEMBLY INSTRUCTIONS

3891775 "F" CAR 12000 SERIES

1 3912573 SUPPORT ASM.



▲ 25-35 LBS. FT.  
 ▲  
 ▲  
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CHEVROLET MOTOR DIVISION, G.M.C.				UPC	DATE	SYM	REVISION RECORD	AUTH.	DR	CK	
TITLE	3 SPD. AUTO. TRANS. - SUPPORT ASM.			M 40							
	MOD	12000 RPO L35			A12						
		DWG	1-4-67			REFM	REF ECR 10798	L-83666	L-80087		
DATE	REL. 1-19	CI	L-	L-	L-						