



Trabajos	Ambulancias Clase C				Pick ups				Microbuses				
	Toyota Land Cruiser	Nissan Patrol años 2007 y 2008	Nissan Frontier año 2007 y 2008	Nissan Frontier año 2013 y 2014	Toyota Hilux año 2011 y 2012	Mazda BT-50 año 2017	Toyota Hiace 2007 y 2012	Nissan Urva año 2013					
	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	
1	Cambio de aceite al motor, sintético 15W40 para (especificar cantidad a utilizar y las especificaciones técnicas)	\$5.00	\$88.74	\$5.00	\$73.95	\$5.00	\$73.95	\$5.00	\$76.51	\$5.00	\$76.51	\$5.00	\$73.95
	Especificar la cantidad total de aceite según las unidades de medida de la marca ofertadas (litros, cuarto, cubetas o galones)	12 litros 15W40	10 litros 15W40	10 litros 15W40	10 litros 15W40	8 litros 10W30	FALTA	8 litros 10W30	10 litros 15W4				
1-A	Cambio de filtro de aceite de motor, (para Nissan Patrol ofertar 2 filtros)	\$2.00	\$20.24	\$2.00	\$24.20	\$2.00	\$14.24	\$2.00	\$14.24	\$2.00	\$16.27	\$2.00	\$20.24
2	Cambio de filtro de aire.	\$2.00	\$17.25	\$2.00	\$24.41	\$2.00	\$14.36	\$2.00	\$16.09	\$2.00	\$32.18	\$2.00	\$39.07
3	Cambio de filtro de combustible	\$2.00	\$13.79	\$2.00	\$23.80	\$2.00	\$10.17	\$2.00	\$10.17	\$2.00	\$18.31	\$2.00	\$18.31
4	Cambio de trampa de combustible	\$2.00	\$14.36	\$2.00	\$23.80	\$2.00	\$12.20	\$2.00	\$12.20	\$2.00	\$26.44	\$2.00	\$26.44
5	Revisión y ajuste de fajas de motor	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00
6	Revisión de sistema de enfriamiento y verificación de fugas en: mancuernas, tuberías, radiador, bomba de agua.	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A
7	Revisión de soportes de motor	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00	N/A	\$5.00
8	Revisión de soporte de cardán, crucetas de cardán	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A
9	Revisión, limpieza y ajuste de frenos (si se necesita cambio de fricciones o pastillas de frenos, remitir a correctivo)	\$20.00	N/A	\$20.00	N/A	\$20.00	N/A	\$20.00	N/A	\$20.00	N/A	\$20.00	N/A
10	Revisión de niveles de líquido de frenos y clutch, power steering, aceite de transmisión, aceite de diferencial.	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A
11	Revisión de luces en general	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A
12	Revisión de niveles de batería y limpieza de terminales de batería	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A	\$2.00	N/A
13	Alineado balanceo y rotación de llantas	\$35.00	S/R	\$35.00	S/R	\$35.00	S/R	\$35.00	S/R	\$35.00	S/R	\$35.00	S/R
14	Engrase General	\$2.00	\$10.00	\$2.00	\$10.00	\$2.00	\$10.00	\$2.00	\$10.00	\$2.00	\$10.00	\$2.00	\$10.00
15	Lavado de motor, lavado de vehículo pastado y siliconado	\$5.00	\$20.00	\$5.00	\$20.00	\$5.00	\$20.00	\$5.00	\$20.00	\$5.00	\$20.00	\$5.00	\$20.00
16	Revisión de sistema de dirección y suspensión.	\$5.00	S/R	\$5.00	S/R	\$5.00	S/R	\$5.00	S/R	\$5.00	S/R	\$5.00	S/R
TOTAL POR SERVICIO		\$93.00	\$194.37	\$93.00	\$210.16	\$93.00	\$164.92	\$93.00	\$166.65	\$93.00	\$209.71	\$93.00	\$194.78

R: 
 F: 
 Representante Legal
 CODREISA S.A DE C.V
 TEL. 2532-3082

S/R = sin Repuesto

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Trabajos	ROUTINAS DE MANTENIMIENTO CORRECTIVO PARA VEHICULOS LIVIANOS									
	DESCRIPCION DE TRABAJOS DE MANTENIMIENTO CORRECTIVO		Ambulancias Clase C		Pick-ups		Mazda BT-50 año 2017		Microbuses	
	2012-2015.2017	2012-2015.2017	Nissan Patrol 2007-2008	2008	Nissan Frontier año 2013 y	2014	Toyota Hilux año 2011 y 2012	Mazda BT-50 año 2017	Toyota Hiace 2007 y 2012	Nissan Urvan año 2012
MOTOR	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos
17 Cambio de Faja de alternador	\$15.00	\$35.70	\$45.00	\$49.44	\$15.00	\$48.60	\$15.00	\$48.60	N/A	N/A
18 Cambio de Faja Power Steering	\$15.00	\$35.70	\$45.00	\$45.78	\$15.00	\$51.84	\$15.00	\$58.88	N/A	N/A
19 Cambio de faja de aire acondicionado	\$15.00	\$35.70	\$45.00	\$45.78	\$15.00	\$51.84	\$15.00	\$58.88	N/A	N/A
20 Cambio de faja de accesorios	\$15.00	\$35.70	\$45.00	\$45.78	\$15.00	\$51.84	\$15.00	\$58.88	N/A	N/A
21 Cambio de balero tensor	\$15.00	\$35.70	\$45.00	\$45.78	\$15.00	\$51.84	\$15.00	\$58.88	N/A	N/A
22 Cambio de balero fijo	\$15.00	\$35.70	\$45.00	\$45.78	\$15.00	\$51.84	\$15.00	\$58.88	N/A	N/A
23 Cambio de empaque de papadere de punterías	\$30.00	\$33.70	\$30.00	\$36.61	\$30.00	\$19.44	\$30.00	\$38.88	\$45.00	\$48.60
24 Cambio de empaque de punterías	\$30.00	\$33.70	\$30.00	\$36.61	\$30.00	\$19.44	\$30.00	\$38.88	\$45.00	\$48.60
25 Cambio de empaque de Carter	\$30.00	\$33.70	\$30.00	\$36.61	\$30.00	\$19.44	\$30.00	\$38.88	\$45.00	\$48.60
26 Cambio de retenedor de eje de cigüeñal	\$45.00	\$29.29	\$45.00	\$12.96	\$45.00	\$29.16	\$45.00	\$22.68	\$45.00	\$30.00
27 Cambio de retenedor de eje de levas	\$45.00	\$29.29	\$45.00	\$12.96	\$45.00	\$29.16	\$45.00	\$22.68	\$45.00	\$30.00
28 Cambio de kit de distribución, incluye: faja de distribución, balero tensor, cambio de tensor hidráulico	\$120.00	\$600.90	N/A	N/A	N/A	N/A	N/A	\$573.48	N/A	\$120.00
29 Cambio de kit de distribución de tipo cadena y engranes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30 Nivelar aceite de motor	\$5.00	\$184.29	\$5.00	\$7.13	\$5.00	\$122.86	\$5.00	\$168.76	\$5.00	\$122.86
31 Ajuste completo de motor (incluye: desmontaje y montaje Rectificado general de Block, culata, bielas y cigüeñal; cambio de casquetes de banco, casquetes de banco, conjunto motor, pistón, camisas, anillos, empaques de motor, calibración de bomba de inyección e inyector, bomba de aceite	\$1,300.00	\$35,403.35	\$1,500.00	\$2,219.99	\$1,500.00	\$2,909.52	\$1,500.00	\$2,698.92	\$1,500.00	\$1,856.52
32 Reparación parcial de motor (incluye: casquetes de biela, casquetes de biela, cambio de anillos-depiston, rectificado general de culata, empaques de motor)	\$950.00	\$2,032.64	\$950.00	\$842.08	\$950.00	\$735.48	\$950.00	\$933.12	\$950.00	\$2,082.64
33 Desmontar y montar culata (incluye: rectificado general de culata (incluye: desmontaje y montaje de culata prueba a presión, rectificado de superficie, rectificado de válvulas, rectificado de asientos, asentar válvulas, empaques de sellos de válvulas) empaques de culata	\$200.00	\$250.21	\$200.00	\$243.00	\$200.00	\$174.96	\$200.00	\$168.48	\$200.00	\$243.00
34 Rectificado general de culata (incluye: desmontaje y montaje de culata prueba a presión, rectificado de superficie, rectificado de válvulas, rectificado de asientos, asentar válvulas, empaques de sellos de válvulas) empaques de culata	\$200.00	\$250.21	\$200.00	\$243.00	\$200.00	\$174.96	\$200.00	\$168.48	\$200.00	\$243.00
35 Cambio de boquillas de surtidores con perno	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
36 Cambio del empaque de la culata (precio incluye el desmontaje y montar culata)	\$90.00	\$250.21	\$90.00	\$243.00	\$90.00	\$174.96	\$90.00	\$168.48	\$90.00	\$243.00
37 Cambio de empaque de la culata (precio incluye el desmontaje y montar culata)	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$168.48	\$60.00	\$174.96
38 Cambio de empaque de la culata (precio incluye el desmontaje y montar culata)	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$168.48	\$60.00	\$174.96
39 Cambio de empaque de la culata (precio incluye el desmontaje y montar culata)	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$168.48	\$60.00	\$174.96
40 Cambio de empaque de la culata (precio incluye el desmontaje y montar culata)	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$168.48	\$60.00	\$174.96
41 Cambio de empaque de la culata (precio incluye el desmontaje y montar culata)	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$168.48	\$60.00	\$174.96
42 Cambio de empaque de la culata (precio incluye el desmontaje y montar culata)	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$174.96	\$60.00	\$168.48	\$60.00	\$174.96
43 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
44 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
45 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
46 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
47 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
48 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
49 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
50 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
51 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
52 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
53 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
54 Cambio de empaque de punterías	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00

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141	Cambio de retenedor y baleros del piñón de ataque	\$45.00	\$318.55	\$45.00	\$295.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$313.35	\$45.00	\$318.55	\$45.00	\$304.42	\$45.00	\$
142	Cambio de baleros de piñón de ataque	\$50.00	\$325.00	\$50.00	\$250.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$325.00	\$50.00	\$325.00	\$50.00	\$325.00	\$50.00	\$
143	Cambio de todos baleros del diferencial y ajuste	\$300.00	\$600.00	\$45.00	\$581.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
144	Reparación total de Corona, cambio de satélites, planetarios, baleros, lunas de ajuste de satélites, piñón de ataque, aceite.	\$250.00	\$30,000.00	\$400.00	\$2,294.90	\$150.00	\$0.00	\$150.00	\$0.00	\$150.00	\$0.00	\$150.00	\$3,000.00	\$150.00	\$3,000.00	\$150.00	\$3,000.00	\$150.00	\$
145	Cambio total de la corona	\$250.00	\$950.00	\$375.00	\$1,945.00	\$220.00	\$0.00	\$220.00	\$0.00	\$220.00	\$0.00	\$220.00	\$1,595.00	\$220.00	\$950.00	\$220.00	\$1,595.00	\$220.00	\$
146	Cambiar sellos de flechas traseras	\$25.00	\$90.00	\$25.00	\$115.94	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$69.00	\$25.00	\$90.00	\$25.00	\$69.00	\$25.00	\$
147	Cambio de baleros de bujes delanteras o traseras (con grasa incluida)	\$45.00	\$125.00	\$25.00	\$571.95	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$120.00	\$45.00	\$125.00	\$45.00	\$114.00	\$45.00	\$
148	Cambio de sellos de bujes delanteros (por lado)	\$25.00	\$80.00	\$25.00	\$285.98	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$65.00	\$45.00	\$80.00	\$45.00	\$65.00	\$45.00	\$
149	Cambio de sellos de bujes traseros (por lado)	\$25.00	\$85.00	\$25.00	\$285.98	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$65.00	\$45.00	\$85.00	\$45.00	\$65.00	\$45.00	\$
150	Ajustar de centros de baleros delanteros	\$20.00	\$0.00	\$25.00	\$456.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
151	Cambio de coxa de buje delantero	\$5.00	\$0.00	\$25.00	\$456.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
152	Cambiar sellos de flechas traseras	\$25.00	\$80.00	\$25.00	\$115.94	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$69.00	\$25.00	\$90.00	\$25.00	\$69.00	\$25.00	\$
153	Cambio de flechas traseras	\$80.00	\$0.00	\$1,250.00	\$381.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
154	Cambio de aceite de diferencial	\$5.00	\$35.15	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$40.09
155	Cambio de aceite de Transmisión	\$5.00	\$35.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$52.45
156	Regulación de clutch	\$15.00	\$3/R	\$75.00	\$/R	\$75.00	\$/R	\$75.00	\$/R	\$75.00	\$/R	\$75.00	\$/R	\$75.00	\$/R	\$75.00	\$/R	\$75.00	\$/R
157	Cambio de tapón de llenado o de drenaje de transmisión o de diferencial	\$15.00	\$20.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
158	Cambio de tornillos de dirección L o R.	\$25.00	\$175.00	\$25.00	\$125.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$175.00	\$25.00	\$175.00	\$25.00	\$175.00	\$25.00	\$0.00
159	Cambio de barra central de dirección	\$70.00	\$350.00	\$125.00	\$903.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
160	Cambio de buje Pinnin	\$35.00	\$155.00	\$75.00	\$464.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
161	Cambio de tercer brazo de dirección	\$45.00	\$810.00	\$	\$	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$810.00	\$45.00	\$810.00	\$45.00	\$810.00	\$45.00	\$
162	Cambio de amortiguador de dirección	\$25.00	\$867.00	\$125.00	\$429.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
163	Cambio de sellos a masa de dirección	\$45.00	\$80.00	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
164	Cambio de sellos a bomba de power Steering	\$45.00	\$125.00	\$	\$	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$35.00	\$45.00	\$35.00	\$45.00	\$35.00	\$45.00	\$
165	Cambio de mangueras de alta presión de power Steering	\$15.00	\$80.00	\$15.00	\$60.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$
166	Cambio de mangueras de succión de power Steering	\$15.00	\$35.00	\$15.00	\$60.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$
167	Cambio de bomba power Steering	\$45.00	\$600.00	\$75.00	\$255.00	\$250.00	\$0.00	\$250.00	\$0.00	\$250.00	\$0.00	\$250.00	\$750.00	\$45.00	\$750.00	\$250.00	\$750.00	\$250.00	\$
168	Cambio de "O" Ring a tuberías de power Steering	\$20.00	\$15.00	\$45.00	\$15.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$
169	Desmontar y montar el sistema del volante	\$45.00	\$/R	\$35.00	\$/R	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$/R	\$45.00	\$/R	\$45.00	\$/R	\$45.00	\$
170	Cambio de masa de dirección	\$85.00	\$600.00	\$	\$	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$
171	Interceado de muboras	\$300.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$
172	Cambio de amortiguadores delanteros (2)	\$30.00	\$894.24	\$30.00	\$718.56	\$70.00	\$372.00	\$70.00	\$372.00	\$70.00	\$372.00	\$70.00	\$372.00	\$70.00	\$894.24	\$70.00	\$372.00	\$70.00	\$
173	Cambio de amortiguadores traseros (2)	\$60.00	\$615.60	\$30.00	\$450.74	\$70.00	\$325.50	\$70.00	\$325.50	\$70.00	\$325.50	\$70.00	\$325.50	\$70.00	\$615.60	\$70.00	\$325.50	\$70.00	\$
174	Cambio de bujes a barra estabilizadora delantera	\$20.00	\$97.20	\$45.00	\$175.00	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$
175	Cambio de bujes a barra estabilizadora trasera	\$20.00	\$97.20	\$45.00	\$175.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$97.20	N/A	N/A	N/A	\$
176	Cambio de esteres inferiores	\$90.00	\$259.20	\$	\$	\$70.00	\$0.00	\$70.00	\$0.00	\$70.00	\$0.00	\$70.00	N/A	N/A	N/A	N/A	N/A	N/A	\$
177	Cambio de esteres superiores	\$90.00	\$0.00	\$	\$	\$70.00	\$0.00	\$70.00	\$0.00	\$70.00	\$0.00	\$70.00	N/A	N/A	N/A	N/A	N/A	N/A	\$
178	Cambio de fibra superior	\$50.00	\$518.40	\$	\$	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$
179	Cambio de fibra inferior	\$50.00	\$680.40	\$	\$	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$
180	Cambio de bujes a barras oscilantes traseras	\$30.00	\$0.00	\$	\$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$
181	Cambio de bujes a barras oscilantes delanteras	\$30.00	\$0.00	\$	\$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$
182	Cambio de bujes a hojas de resortes	\$45.00	\$103.68	\$45.00	\$168.50	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$103.68	\$45.00	\$0.00	\$45.00	\$
183	Cambio de bujes de resorte traseros	\$50.00	\$95.00	\$75.00	\$425.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$95.00	\$45.00	\$0.00	\$45.00	\$
184	Cambio de bujes de barra tensores delanteras	\$30.00	\$0.00	\$45.00	\$168.50	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$
185	Cambio de bujes de barra tensores traseras	\$45.00	\$0.00	\$45.00	\$168.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	N/A	N/A	\$
186	Cambio de bujes de barra estabilizadora	\$45.00	\$142.56	\$	\$	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$
187	Cambio de bujes a barra transversal trasera	N/A	N/A	N/A	\$45.00	\$256.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00

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188	Cambio de silenciador	\$50.00	\$0.00	\$95.00	\$750.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$980.00	\$50.00	\$0.00	\$0.00	\$0.00
189	Cambio de soportes del escape	\$15.00	\$0.00	\$15.00	\$264.00	\$11.30	\$0.00	\$11.30	\$0.00	\$11.30	\$0.00	\$95.00	\$11.30	\$50.00	\$11.30	\$0.00
190	Cambio de tubo de escape	\$20.00	\$0.00	\$20.00	\$456.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
191	Cambio de abrazaderas del sistema de escape	\$15.00	\$20.00	\$	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
192	Soldadura de tubo de escape	\$30.00	\$0.00	\$95.00	\$15.00	\$15.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$15.00	\$15.00	\$45.00	\$15.00	\$0.00
193	Cambio de empuje de salida de escape	\$25.00	\$30.00	\$	\$	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$35.00	\$45.00	\$35.00	\$45.00	\$0.00
194	Cambio de buje delantero	\$40.00	\$642.74	\$35.00	\$850.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$641.00	\$40.00	\$636.00	\$40.00	\$636.00
195	Cambio de buje trasero	\$40.00	\$599.00	\$35.00	\$956.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$599.00	\$40.00	\$599.00	\$40.00	\$599.00
196	Enderezar y pintar buje delantero	\$150.00	\$0.00	\$0.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$0.00
197	Enderezar y pintar buje trasero	\$125.00	\$0.00	\$0.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$0.00
198	Instalación y cambio de las loderas (4)	\$20.00	\$80.00	\$95.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$0.00
199	Ajuste de la computadora trasera	\$175.00	\$/R	\$175.00	\$/R	\$/R	\$0.00	\$/R	\$0.00	\$/R	\$0.00	\$/R	\$/R	\$/R	\$/R	\$0.00
200	Eliminar entradas de agua por empujadas (vidrios, laterales, parabrisas, puertas)	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$5.00
201	Elaboración de logotipos y franjas Pinados.	N/A	N/A	\$988.20	\$/R	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	N/A	N/A	N/A	\$0.00
202	Elaboración de logotipos del FOSALUD parte frontal	\$243.00	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39
203	Elaboración de logotipos del FOSALUD parte trasera	\$243.00	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39	\$/R	\$229.39
204	Elaboración de logotipos del FOSALUD parte lateral	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80
205	Elaboración de logotipos del FOSALUD parte lateral	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80	\$/R	\$145.80
206	Elaboración de arte completo en vinil	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	\$3,078.00
207	Pintura de Rines	\$0.00	\$0.00	\$0.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$0.00
208	Cambio de rines	\$15.00	\$200.00	\$15.00	\$200.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$200.00	\$15.00	\$200.00	\$15.00	\$200.00
209	Cambio de coque	\$5.00	\$125.00	\$5.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
210	Cambio de espejos retrovisor lado R	\$15.00	\$150.00	\$25.00	\$388.80	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$150.00	\$15.00	\$150.00	\$15.00	\$150.00
211	Cambio de espejos retrovisor lado L	\$15.00	\$150.00	\$25.00	\$388.80	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$150.00	\$15.00	\$150.00	\$15.00	\$150.00
212	Cambio de espejo retrovisor interno	\$15.00	\$35.00	\$25.00	\$178.20	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00
213	Cambio de llaveros de asientos	\$15.00	\$130.00	\$15.00	\$130.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$235.00	\$15.00	\$235.00	\$15.00	\$235.00
214	Reparación de tapicería de puertas	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00
215	Reparación de tapicería de asientos	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00
216	Reparación de bisagra de puertas traseras	\$45.00	\$/R	\$45.00	\$/R	\$45.00	\$/R	\$45.00	\$/R	\$45.00	\$/R	\$45.00	\$/R	\$45.00	\$/R	\$45.00
217	Cambio de bisagra de puertas traseras	\$12.00	\$75.00	\$12.00	\$75.00	\$12.00	\$0.00	\$12.00	\$0.00	\$12.00	\$0.00	\$75.00	\$12.00	\$75.00	\$12.00	\$75.00
218	Poltrazado completo	\$0.00	\$/R	\$0.00	\$/R	\$0.00	\$/R	\$0.00	\$/R	\$0.00	\$/R	\$0.00	\$/R	\$0.00	\$/R	\$0.00
219	Cambio de defensa delantera	\$15.00	\$486.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$486.00	\$15.00	\$486.00	\$15.00	\$486.00
220	Cambio de defensa trasera	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	\$15.00
221	Cambio de protector de cama	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A
222	Cambio de camper	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A
223	Cambio de amortiguadores de camper	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A
224	Cambio de computadora de camper	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A
225	Cambio de mecanismo de cierre de camper	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A
226	Instalar luz de camper	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A
227	Reparación de bases de asiento	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00
228	Cambio de alambres	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$65.00	\$15.00	\$65.00	\$15.00	\$65.00
229	Cambio de lámpara de stop	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$25.00	\$25.00	\$25.00	\$25.00
230	Cambio de Sealantes	\$25.00	\$563.98	\$25.00	\$563.98	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$563.98	\$25.00	\$563.98	\$25.00	\$563.98
231	Cambio de manijas de sube vidrios	\$35.00	\$70.00	\$35.00	\$70.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00	\$70.00	\$35.00	\$70.00	\$35.00	\$70.00
232	Cambio de manilla exterior	\$35.00	\$70.00	\$35.00	\$70.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00	\$70.00	\$35.00	\$70.00	\$35.00	\$70.00
233	Reparar mecanismo de máquina sube vidrio	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00
234	Cambio de máquina sube vidrios	\$40.00	\$350.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$0.00	\$350.00	\$40.00	\$350.00	\$40.00	\$350.00
235	Reparación de chapa	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00	\$/R	\$50.00
236	Cambio de cadena de puerta	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00
237	Elaboración de duplicado de llave	\$15.00	\$15.00	\$15.00	\$45.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00
238	Cambio de llavero del switch de ignición	\$35.00	\$110.00	\$35.00	\$110.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00	\$110.00	\$35.00	\$110.00	\$35.00	\$110.00
239	Cambio de equipo estereo	\$11.30	\$0.00	\$11.30	\$0.00	\$11.30	\$0.00	\$11.30	\$0.00	\$11.30	\$0.00	\$0.00	\$11.30	\$0.00	\$11.30	\$0.00
240	Cambiar la antena alruido	\$11.30	\$30.00	\$11.30	\$30.00	\$11.30	\$0.00	\$11.30	\$0.00	\$11.30	\$0.00	\$30.00	\$11.30	\$30.00	\$11.30	\$30.00
241	Cambio de espejos retrovisores lado R y L	\$30.00	\$500.00	\$30.00	\$500.00	\$30.00	\$0.00	\$30.00	\$0.00	\$30.00	\$0.00	\$500.00	\$30.00	\$500.00	\$30.00	\$500.00
242	Cambio de base de retrovisor	\$20.00	\$0.00	\$20.00	\$0.00	\$20.00	\$0.00	\$20.00	\$0.00	\$20.00	\$0.00	\$0.00	\$20.00	\$0.00	\$20.00	\$0.00
243	Cambio de forros de asientos	\$25.00	\$130.00	\$25.00	\$130.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$130.00	\$25.00	\$130.00	\$25.00	\$130.00

F. *[Signature]*
Hernández Alfredo Sandoval Saravia
Representante Legal
CODREISA S.A DE C.V
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FOSALUD

Licitación Pública No.09/2018

“CONTRATACION DE SERVICIO DE MANTENIMIENTO PREVENTIVO Y CORRECTIVO PARA VEHICULOS, CAMIONES Y AMBULANCIAS DEL FOSALUD, PARA EL AÑO 2018”

MANTENIMIENTO CORRECTIVO ITEM No.1

“Mantenimiento Preventivo y Correctivo para vehículos asignados a Sede Administrativa: 6 ambulancias Marca Nissan Patrol, (4 año 2007, 2 año 2008); 7 microbuses marca Toyota Hiace, (5 año 2008 y 2 año 212); 2 microbuses marca Nissan Urvan año 2013; 10 pick up marca Nissan Frontier, (5 año 2007, 01 año 2008, 02 año 2013, y 02 año 2014), 2 pick Up marca Mazda BT-50 año 2017, 08 pick up marca Toyota Hilux (06 año 2008, 2 año 2011)”

RUTINAS DE MANTENIMIENTO CORRECTIVO PARA VEHÍCULOS LIVIANOS																		
Trabajos	DESCRIPCION DE TRABAJOS DE MANTENIMIENTO CORRECTIVO	Ambulancias Clase C										Pick ups					Microbuses	
		Toyota Land Crusier 2012,2015,2017		Nissan Patrol años 2007 y 2008		Nissan Frontier año 2007 y 2008		Nissan Frontier año 2013 y 2014		Toyota Hilux año 2011 y 2012		Mazda BT-50 año 2017		toyota Hiace 2007 y 2012		Nissan Urvan año 2013		
		M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	M.O.	Repuestos	
Motor																		
17	Cambio de Faja de alternador	\$15.00	\$35.70	\$15.00	\$49.44	\$15.00	\$48.60	\$15.00	\$48.60	N/A	N/A	N/A	N/A	N/A	N/A	\$15.00	\$48.60	
18	Cambio de Faja Power Steering	\$15.00	\$35.70	\$15.00	\$45.78	\$15.00	\$51.84	\$15.00	\$38.88	N/A	N/A	N/A	N/A	N/A	N/A	\$15.00	\$51.84	
19	Cambio de faja de aire acondicionado	\$15.00	\$48.11	\$15.00	\$68.04	\$15.00	\$45.36	\$15.00	\$48.60	N/A	N/A	N/A	N/A	N/A	N/A	\$15.00	\$45.36	
20	Cambio de faja de accesorios	\$15.00	\$51.84	\$15.00	\$81.00	\$15.00	\$117.16	\$15.00	\$117.16	\$15.00	\$117.16	\$15.00	\$51.84	\$15.00	\$50.85	\$15.00	\$117.16	
21	cambio de balero tensor	\$30.00	\$168.70	\$30.00	\$175.00	\$30.00	\$324.00	\$30.00	\$324.00	\$45.00	\$45.00	\$324.00	\$45.00	\$168.70	\$45.00	\$203.40	\$30.00	
22	cambio de balero fijo	\$30.00	\$0.00	\$30.00	\$175.00	\$30.00	\$113.40	\$30.00	\$113.40	\$45.00	\$113.40	\$55.00	\$0.00	\$45.00	\$71.19	\$30.00	\$113.40	
23	cambio de empaque de tapadera de punterías	\$30.00	\$33.70	\$30.00	\$36.61	\$30.00	\$19.44	\$30.00	\$29.16	\$30.00	\$38.88	\$45.00	\$48.60	\$30.00	\$24.41	\$30.00	\$30.51	
24	cambio de tapadera de punterías	\$0.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	
25	cambio de empaque de Carter	\$30.00	\$35.00	\$30.00	\$32.40	\$30.00	\$19.44	\$30.00	\$14.64	\$30.00	\$14.64	\$45.00	\$38.88	\$30.00	\$9.19	\$30.00	\$19.44	
26	cambio de retenedor delantero de cigüeñal	\$45.00	\$29.29	\$45.00	\$12.96	\$45.00	\$29.16	\$45.00	\$29.16	\$45.00	\$22.68	\$45.00	\$29.29	\$45.00	\$14.24	\$45.00	\$29.16	
27	cambio de retenedor de eje de levas	\$45.00	\$16.49	N/A	N/A	\$45.00	\$12.96	\$45.00	\$12.96	\$45.00	\$19.44	\$45.00	\$16.49	\$45.00	\$12.20	\$45.00	\$12.96	
28	distribución, incluye: faja de distribución, balero tensor, cambio de tensor hidráulico	\$120.00	\$500.90	N/A	N/A	N/A	N/A	N/A	N/A	\$120.00	\$573.48	N/A	N/A	\$120.00	\$360.02	N/A	N/A	
29	Cambio de Kit de distribución de tipo cadena y engranes	N/A	N/A	N/A	N/A	N/A	N/A	\$	\$	N/A	N/A	\$	\$	N/A	N/A	\$	\$	
30	Nivelar aceite de motor	\$5.00	\$184.29	\$5.00	\$77.13	\$5.00	\$122.86	\$5.00	\$122.86	\$5.00	\$158.76	\$5.00	\$122.86	\$5.00	\$77.13	\$5.00	\$77.13	
31	Ajuste completo de motor (Incluye: desmontaje y montaje Rectificado general de Block,culata,bieles y cigüeñal; cambio de casquetes de banco, casquetes de biela, conjunto motor; pistón, camisas y anillos, empaques de motor, calibración de bomba de inyección e inyectores, bomba de aceite	\$1,300.00	\$3,540.35	\$1,500.00	\$2,219.09	\$1,500.00	\$1,918.08	\$1,500.00	\$2,909.52	\$1,500.00	\$2,698.92	\$1,500.00	\$1,856.52	\$1,500.00	\$1,165.48	\$1,500.00	\$858.35	


C.A. Corporación Bichos Bichos, S.A. de C.V.
Tels.: 2532-3082, 2532-3083

001390



	Reparación parcial del motor (Incluye: casquetes de biela, casquetes de banco, cambio de anillos de pistón, rectificado general de culata, empaques de motor)	\$950.00	\$2,032.61	\$950.00	\$842.08	\$950.00	\$735.48	\$950.00	\$722.52	\$950.00	\$933.12	\$950.00	\$2,032.61	\$950.00	\$585.79	\$950.00	\$451.55
32																	
33	Cambio de motor.	\$200.00	\$0.00	\$3,000.00	\$11,500.00	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00
34	Desmontar y montar culata.	\$90.00	\$250.21	\$90.00	\$243.00	\$90.00	\$81.00	\$90.00	\$174.96	\$90.00	\$168.48	\$90.00	\$243.00	\$90.00	\$105.77	\$90.00	\$0.00
35	rectificado general de culata(Incluye: desmontaje y montaje de culata prueba a presión, rectificado de superficie, rectificado de válvulas, rectificado de asientos, asentar válvulas, cambio de sellos de válvulas),empaques de culata	\$200.00	\$988.20	\$250.00	\$281.88	\$250.00	\$81.00	\$250.00	\$213.84	\$250.00	\$207.36	\$250.00	\$243.00	\$250.00	\$130.18	\$250.00	\$337.64
36	Cambio de boquillas de surtidores con perno	\$125.00	\$450.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
37	Cambio del empaque de la culata (precio incluye el desmontar y montar culata)	\$90.00	\$250.21	\$90.00	\$243.00	\$90.00	\$81.00	\$90.00	\$174.96	\$90.00	\$168.48	\$90.00	\$243.00	\$75.00	\$105.77	\$75.00	\$305.10
38	calibrar válvulas	\$60.00	S/R	\$60.00	S/R	\$60.00	S/R	\$60.00	S/R	\$60.00	S/R	\$60.00	S/R	\$60.00	S/R	\$60.00	\$0.00
39	Cambio de culata	\$125.00	\$3,200.00	\$150.00	\$3,113.64	\$150.00	\$1,571.40	\$150.00	\$3,295.08	\$150.00	\$3,569.67	\$125.00	\$3,200.00	\$125.00	\$2,240.96	\$125.00	\$2,240.96
40	Cambio de sello delantero de cigüeñal	\$45.00	\$29.29	\$45.00	\$12.96	\$45.00	\$22.68	\$45.00	\$55.08	\$45.00	\$22.68	\$45.00	\$81.00	\$45.00	\$20.34	\$45.00	\$0.00
41	Cambio de sello trasero Del cigüeñal	\$45.00	\$87.87	\$55.00	\$49.60	\$45.00	\$191.16	\$45.00	\$25.92	\$45.00	\$97.20	\$45.00	\$48.60	\$45.00	\$61.02	\$45.00	\$16.27
42	Cambio de empaque a Carter (o Silicón)	\$45.00	\$14.64	\$55.00	\$133.80	\$45.00	\$16.20	\$45.00	\$14.64	\$45.00	\$14.64	\$45.00	\$25.92	\$45.00	\$9.19	\$45.00	\$10.17
43	cambio de empaque de punterías	\$50.00	\$65.00	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
44	Cambio de cigüeñal	\$125.00	\$1,869.48	\$	\$	\$125.00	\$972.00	\$125.00	\$972.00	\$125.00	\$761.40	\$125.00	\$923.40	\$125.00	\$477.99	\$125.00	\$610.20
45	cambio de enfriador de aceite	\$0.00	\$0.00	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
46	cambio de bomba de agua	\$25.00	\$174.96	\$80.00	\$210.60	\$25.00	\$434.16	\$25.00	\$194.40	\$25.00	\$226.80	\$30.00	\$174.96	\$25.00	\$142.38	\$25.00	\$162.72
47	Cambio de Soportes de motor	\$40.00	\$194.40	\$70.00	\$226.80	\$60.00	\$181.44	\$60.00	\$187.92	\$60.00	\$162.00	\$75.00	\$194.40	\$60.00	\$101.70	\$60.00	\$211.54
48	Cambio de bomba de agua	\$25.00	\$174.96	\$80.00	\$210.60	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$30.00	\$174.96	\$25.00	\$0.00	\$25.00	\$0.00
49	Cambiar el termostato	\$15.00	\$103.68	\$50.00	\$48.60	\$15.00	\$51.84	\$15.00	\$81.00	\$15.00	\$81.00	\$25.00	\$103.68	\$15.00	\$50.85	\$15.00	\$50.85
50	Cambio de fan clutch	\$30.00	\$243.00	\$75.00	\$194.40	\$20.00	\$210.60	\$20.00	\$226.80	\$20.00	\$243.00	\$45.00	\$243.00	\$20.00	\$152.55	\$20.00	\$152.55
51	Cambio de aspas de ventilador	\$25.00	\$155.52	\$45.00	\$181.44	\$25.00	\$90.72	\$25.00	\$174.96	\$25.00	\$97.20	\$45.00	\$155.52	\$25.00	\$61.02	\$25.00	\$111.87

52	Desmontar y montar radiador para ser sondeado	\$15.00	\$55.08	\$15.00	\$55.08	\$15.00	\$51.84	\$15.00	\$64.80	\$15.00	\$48.60	\$30.00	\$55.08	\$15.00	\$30.51	\$15.00	\$30.51
53	Cambio de mangueras de radiador, superior o inferior	\$15.00	\$136.08	\$45.00	\$125.00	\$15.00	\$77.76	\$15.00	\$87.48	\$15.00	\$90.72	\$30.00	\$136.08	\$15.00	\$56.95	\$15.00	\$56.95
54	Cambio de radiador	\$35.00	\$648.00	\$75.00	\$125.00	\$35.00	\$421.20	\$35.00	\$972.00	\$35.00	\$486.00	\$65.00	\$648.00	\$35.00	\$498.33	\$35.00	\$498.33
55	Cambio del tanque superior	\$30.00	\$60.00	\$	\$0.00	\$45.00	\$275.40	\$45.00	\$275.40	\$45.00	\$180.00	\$75.00	\$0.00	\$45.00	\$180.00	\$45.00	\$180.00
56	Cambio del tanque inferior	\$30.00	\$60.00	\$	\$0.00	\$45.00	\$243.00	\$45.00	\$243.00	\$45.00	\$180.00	\$75.00	\$0.00	\$45.00	\$180.00	\$45.00	\$180.00
57	Cambio del panel del radiador	\$20.00	\$125.00	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
58	Cambio de depósito auxiliar de radiador	\$5.00	\$80.00	\$	\$0.00	\$45.00	\$68.04	\$45.00	\$68.04	\$45.00	\$68.04	\$65.00	\$0.00	\$45.00	\$68.04	\$45.00	\$68.04
59	Cambio de tapón de radiador	\$2.00	\$30.00	\$15.00	\$42.12	\$5.00	\$32.40	\$5.00	\$64.80	\$5.00	\$32.40	\$5.00	\$32.40	\$5.00	\$20.34	\$5.00	\$20.34
60	Cambio de toma de agua	\$5.00	\$70.00	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
61	Cambio de refrigerante	\$5.00	\$25.92	\$10.00	\$25.92	\$2.00	\$90.72	\$2.00	\$90.72	N/A	N/A	\$5.00	\$90.72	N/A	N/A	\$5.00	\$56.95

Turbo

62	Cambio de núcleo de turbo cargador	N/A	N/A	N/A	N/A	N/A	N/A	\$80.00	\$0.00	\$80.00	\$0.00	\$80.00	\$	\$80.00	\$	\$80.00	\$
63	Cambio de propelas y eje de turbo cargador	N/A	N/A	N/A	N/A	N/A	N/A	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	\$	\$65.00	\$	\$65.00	\$
64	Reconstrucción de turbo cargador	N/A	N/A	N/A	N/A	N/A	N/A	\$180.00	\$0.00	\$180.00	\$0.00	\$180.00	\$	\$180.00	\$	\$180.00	\$
65	Cambio de abrazaderas de turbo cargador	N/A	N/A	N/A	N/A	N/A	N/A	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$	\$25.00	\$	\$25.00	\$
66	Desmontar y montar el turbo	N/A	N/A	N/A	N/A	N/A	N/A	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$	\$45.00	\$	\$45.00	\$
67	Cambio de turbo cargador	N/A	N/A	N/A	N/A	N/A	N/A	\$80.00	\$1,830.60	\$80.00	\$4,860.00	\$80.00	\$	\$80.00	\$3,051.00	\$80.00	\$
68	Limpieza de intercooler	N/A	N/A	N/A	N/A	N/A	N/A	\$	\$0.00	\$	\$0.00	\$	\$	\$	\$0.00	\$	\$
69	Cambio del intercooler	N/A	N/A	N/A	N/A	N/A	N/A	\$	\$0.00	\$	\$0.00	\$	\$	\$	\$0.00	\$	\$
70	Desmontar y montar el intercooler	N/A	N/A	N/A	N/A	N/A	N/A	\$65.00	S/R	\$65.00	S/R	\$65.00	\$	\$65.00	S/R	\$65.00	\$
71	Cambio de manguera de turbo (inferior o superior)	N/A	N/A	N/A	N/A	\$75.00	N/A	\$15.00	\$75.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00
72	Cambio de arandelas de bronce de tubería de turbo	N/A	N/A	N/A	N/A	N/A	N/A	\$15.00	\$65.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00

Sistema de inyección

73	Limpieza y calibración de inyector convencionales	\$200.00	S/R	\$125.00	\$75.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
74	Cambio de puntas de inyector	\$35.00	\$535.00	\$75.00	\$74.52	\$35.00	\$97.20	\$45.00	\$0.00	\$35.00	\$435.00	\$35.00	\$535.00	\$35.00	\$435.00	\$35.00	\$435.00
75	Cambio de Arandelas de inyector	\$25.00	\$107.69	\$25.00	\$95.00	\$25.00	\$104.65	\$35.00	\$125.00	\$25.00	\$104.65	\$25.00	\$157.00	\$25.00	\$104.65	\$25.00	\$104.65

[illegible]

98	cambio de tubería de retorno de combustible	\$35.00	\$0.00	\$35.00	\$494.42	\$0.00	\$0.00	\$0.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00		
Sistemas de frenos																	
99	cambio de pastillas de frenos delanteras	\$15.00	\$97.20	\$25.00	\$97.20	\$15.00	\$113.40	\$25.00	\$113.40	\$15.00	\$97.20	\$45.00	\$129.60	\$15.00	\$61.02	\$15.00	\$71.19
100	Cambio de pastillas de frenos traseras	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
101	cambio de fricciones traseras	\$25.00	\$123.12	\$25.00	\$162.00	\$25.00	\$129.60	\$35.00	\$129.60	\$25.00	\$145.80	\$45.00	\$162.00	\$25.00	\$71.19	\$25.00	\$67.12
102	Rectificado de Discos de frenos (2)	\$15.00	\$58.32	\$15.00	\$58.32	\$25.00	\$58.32	\$35.00	\$58.32	\$15.00	\$58.32	\$45.00	\$58.32	\$15.00	\$36.61	\$15.00	\$36.61
103	Cambio de Discos Delanteros (2)	\$25.00	\$324.00	\$40.00	\$324.00	\$25.00	\$291.60	\$35.00	\$259.20	\$25.00	\$291.60	\$45.00	\$486.00	\$25.00	\$183.06	\$25.00	\$170.86
104	Cambio de discos de freno traseros	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
105	Cambio de empaques y polveras de bomba tipo Calipers delanteras	\$15.00	\$45.00	\$15.00	\$85.00	\$15.00	\$0.00	\$25.00	\$0.00	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00
106	Cambio de empaque de bomba central de frenos	\$15.00	\$45.00	\$45.00	\$75.00	\$15.00	\$0.00	\$25.00	\$0.00	\$15.00	\$45.00	N/A	N/A	\$	\$	\$	\$0.00
107	Cambiar bomba central de frenos	\$45.00	\$469.80	\$25.00	\$0.00	\$45.00	\$324.00	\$65.00	\$324.00	\$45.00	\$356.40	\$45.00	\$729.00	\$45.00	\$345.78	\$45.00	\$488.16
108	Cambio de servo freno (incluye desmontaje y montaje)	\$45.00	\$291.60	\$50.00	\$0.00	\$45.00	\$0.00	\$65.00	\$0.00	\$45.00	\$324.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00
109	Cambio las bombas laterales de frenos traseros	\$35.00	\$174.96	\$50.00	\$81.36	\$45.00	\$162.00	\$45.00	\$162.00	\$35.00	\$162.00	\$35.00	\$136.08	\$35.00	\$85.43	N/A	N/A
110	Reparación del sistema de frenos ABS	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00	\$0.00	N/A	N/A			N/A	N/A	N/A	\$0.00
111	Cambio del sistema de sensores y bomba repartidora del ABS.	N/A	N/A	N/A	N/A	N/A	N/A	\$45.00	\$178.20	N/A	N/A			N/A	N/A	N/A	N/A
112	Cambio de cables del freno de mano	\$25.00	\$126.00	\$25.00	\$145.00	\$30.00	\$145.80	\$45.00	\$162.00	\$25.00	\$162.00	\$25.00	\$256.28	\$25.00	\$256.28	\$25.00	\$152.55
113	Cambio de baleros de buías delanteras(incluye grasa)	\$45.00	\$168.48	\$35.00	\$194.40	\$45.00	\$187.92	\$65.00	\$123.12	\$45.00	\$324.00	\$45.00	\$421.20	\$45.00	\$223.74	\$45.00	\$244.08
114	Cambio de baleros de buías traseras(incluye grasa)	\$45.00	\$226.80	\$35.00	\$194.40	\$45.00	\$162.00	\$65.00	\$116.64	\$45.00	\$356.40	\$45.00	\$226.80	\$45.00	\$142.38	\$45.00	\$0.00
115	Cambio de sellos de buías delanteras	\$45.00	\$129.60	\$25.00	\$64.80	\$45.00	\$71.28	\$65.00	\$51.84	\$45.00	\$110.16	\$45.00	\$113.40	\$45.00	\$40.68	\$45.00	\$0.00
116	Cambio de sellos de buías traseras	\$45.00	\$32.40	\$25.00	\$64.80	\$45.00	\$71.28	\$65.00	\$45.36	\$45.00	\$77.76	\$45.00	\$113.40	\$45.00	\$40.68	\$45.00	\$0.00
117	Engrase de los baleros de buías delantera y traseras (incluir la grasa)	\$30.00	\$17.82	\$5.00	\$17.82	\$30.00	\$17.82	\$30.00	\$15.00	\$30.00	\$17.82	\$30.00	\$19.44	\$30.00	\$11.19	\$30.00	\$11.19

118	Rectificado de tambores de frenos	\$10.00	\$35.00	\$10.00	\$55.08	\$10.00	\$48.60	\$10.00	\$48.60	\$10.00	\$48.60	\$10.00	\$58.32	\$10.00	\$36.61	\$10.00	\$36.61
119	Cambio de Tambores	\$95.00	\$712.80	\$	\$0.00	\$95.00	\$518.40	\$95.00	\$518.40	\$95.00	\$518.40	\$95.00	\$518.40	\$95.00	\$203.40	\$95.00	\$183.06
120	Calzar zapatas frenos traseros	\$15.00	\$45.00	\$45.36	S/R	\$15.00	\$58.32	\$15.00	\$58.32	\$15.00	\$58.32	\$15.00	\$58.32	\$15.00	\$36.61	\$15.00	\$36.61
121	Reparación general de tractas (incluye baleros, jainas de ajuste, retenedores y grasa)	\$70.00	\$200.00	\$35.00	\$50.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00

Sistema de transmisión.

122	Desmontar y montar transmisión para cambio de: prensa, disco, rectificado de volante, calibración de embrague, cambio de balero collarín, balero piloto.	\$200.00	\$1,224.72	\$200.00	\$1,794.68	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00	\$200.00	\$0.00
123	Desmontar y montar transmisión para realizar reparación (Reparación total: cambio de sincronizadores, cambio de manguitos tipo tambor, cambio de horquillas, cambio de baleros, cambio de tren fijo o tren móvil, cambio de sellos, ajuste en varillaje)	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00
124	Desmontar y montar transmisión para realizar reparación (Reparación parcial: cambio de baleros , cambio como máximo 1 sincronizador , cambio de sellos)	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00
125	Desmontar y montar transmisión para realizar reparación (Reparación parcial: ajuste de varillaje interno, cambio de 1 unidad de sincronizador, engrane, manguito tipo tambor, Horquilla)	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00	\$300.00	\$0.00
126	Cambio total de caja de velocidades	\$300.00	\$7,500.00	\$650.00	\$8,500.00	\$450.00	\$0.00	\$450.00	\$0.00	\$450.00	\$7,500.00	\$450.00	\$7,500.00	\$450.00	\$7,500.00	\$450.00	\$7,500.00
127	Reparación total de transmisión de doble tracción.	\$450.00	\$690.00	\$650.00	\$4,500.00	\$450.00	\$0.00	\$450.00	\$0.00	\$450.00	\$0.00	\$450.00	\$690.00	N/A	N/A	N/A	\$0.00

128	Nivelar aceite de diferencial (1/2 galón)	\$15.00	\$42.57	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$31.93	\$15.00	\$42.57	\$15.00	\$20.05	\$15.00	\$
129	Nivelar aceite de transmisión (1/2 galon)	\$15.00	\$42.57	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$42.57	\$15.00	\$42.57	\$15.00	\$26.73	\$15.00	\$
130	cambio de soporte de caja	\$25.00	\$166.86	\$65.00	\$125.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$75.00	\$25.00	\$166.86	\$25.00	\$98.00	\$25.00	\$
131	cambio de bomba central de clutch	\$35.00	\$130.00	\$15.00	\$480.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$120.00	\$35.00	\$130.00	\$35.00	\$120.00	\$35.00	\$
132	cambio de bomba auxiliar de clutch	\$35.00	\$90.00	\$15.00	\$350.00	\$33.90	\$0.00	\$33.90	\$0.00	\$33.90	\$0.00	\$33.90	\$0.00	\$33.90	\$0.00	\$33.90	\$195.00	\$33.90	\$90.00	\$33.90	\$195.00	\$33.90	\$
133	Cambio de manguera de bomba de clutch auxiliar	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$
134	cambio de retenedor de salida de caja	\$0.00	\$0.00	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
135	cambio de cruceta de cardan	\$25.00	\$98.00	\$45.00	\$135.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$98.00	\$25.00	\$98.00	\$25.00	\$98.00	\$25.00	\$
136	alinear y balancear cardan	\$0.00	\$0.00	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
137	Cambio de soporte de cardan	\$15.00	\$199.00	\$65.00	\$180.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$199.00	\$15.00	\$0.00	\$15.00	\$
138	cambio de cardan	\$85.00	\$950.00	\$85.00	\$1,800.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$256.00	\$85.00	\$950.00	\$85.00	\$256.00	\$85.00	\$
139	reconstrucción de yugos de crucetas	\$0.00	\$0.00	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
140	desmontar y montar diferencial	\$125.00	S/R	\$125.00	S/R	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	S/R	\$0.00	\$0.00	\$0.00	\$0.00	\$
141	Cambio de retenedor y baleros del piñón de ataque	\$45.00	\$318.55	\$45.00	\$295.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$313.35	\$45.00	\$318.55	\$45.00	\$304.42	\$45.00	\$
142	Cambio de baleros de piñón de ataque	\$50.00	\$325.00	\$50.00	\$250.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$325.00	\$50.00	\$325.00	\$50.00	\$325.00	\$50.00	\$
143	Cambio de todos baleros del diferencial y ajuste	\$300.00	\$600.00	\$45.00	\$581.64	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
144	Reparación total de Corona, cambio de satélites, planetarios, baleros, jarnas de ajuste sello de piñón de ataque, aceite.	\$250.00	\$3,000.00	\$400.00	\$2,294.00	\$150.00	\$0.00	\$150.00	\$0.00	\$150.00	\$0.00	\$150.00	\$0.00	\$150.00	\$0.00	\$150.00	\$3,000.00	\$150.00	\$3,000.00	\$150.00	\$3,000.00	\$150.00	\$
145	Cambio total de la corona	\$250.00	\$950.00	\$375.00	\$1,945.00	\$220.00	\$0.00	\$220.00	\$0.00	\$220.00	\$0.00	\$220.00	\$0.00	\$220.00	\$0.00	\$220.00	\$1,595.00	\$220.00	\$950.00	\$220.00	\$1,595.00	\$220.00	\$
146	Cambiar sellos de flechas traseras	\$25.00	\$80.00	\$25.00	\$115.94	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$60.00	\$25.00	\$80.00	\$25.00	\$60.00	\$25.00	\$
147	cambio de baleros de buías delanteras o traseras (con grasa incluida)	\$45.00	\$125.00	\$25.00	\$571.95	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$120.00	\$45.00	\$125.00	\$45.00	\$114.00	\$45.00	\$
148	cambio de sellos de buías delanteros (por lado)	\$25.00	\$80.00	\$25.00	\$285.98	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$65.00	\$45.00	\$80.00	\$45.00	\$65.00	\$45.00	\$
149	cambio de sellos de buías traseros (por lado)	\$25.00	\$85.00	\$25.00	\$285.98	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$65.00	\$45.00	\$85.00	\$45.00	\$65.00	\$45.00	\$

150	Ajustar de carga de baleros delanteros	\$20.00	\$0.00	\$25.00	\$456.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
151	cambio de copa de buña delantera	\$5.00	\$0.00	\$25.00	\$456.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
152	Cambar sellos de flechas traseras.	\$25.00	\$80.00	\$25.00	\$115.94	\$25.00	\$0.00	\$0.00	\$25.00	\$0.00	\$25.00	\$80.00	\$25.00	\$0.00	\$25.00	\$80.00	\$25.00	\$25.00	\$
153	Cambio de flechas traseras	\$80.00	\$0.00	\$125.00	\$381.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$
154	Cambio de aceite de diferencial	\$5.00	\$85.15	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$63.86	\$30.00	\$30.00	\$40.09	\$30.00	\$30.00	\$40.09
155	Cambio de aceite de Transmisión	\$5.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$30.00	\$85.15	\$53.45	\$30.00	\$30.00	\$53.45
156	Regulación de clutch	\$15.00	S/R	\$75.00	S/R	\$75.00	S/R	\$75.00	S/R	\$75.00	S/R	\$75.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R
157	cambio de tapón de llenado o de dren o de transmisión o de diferencial	\$15.00	\$20.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	\$	\$0.00	\$0.00	\$	\$

Sistema de dirección

158	Cambio de terminales de dirección L o R.	\$25.00	\$175.00	\$25.00	\$125.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$175.00	\$25.00	\$175.00	\$25.00	\$175.00	\$25.00	\$175.00	\$25.00	\$
159	Cambio de barra central de dirección	\$70.00	\$350.00	\$125.00	\$803.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$70.00	\$350.00	\$0.00	\$0.00	\$0.00	\$
160	Cambio de brazo Pitman	\$35.00	\$155.00	\$75.00	\$464.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.00	\$155.00	\$0.00	\$0.00	\$0.00	\$
161	Cambio de tercer brazo de dirección	\$45.00	\$810.00	\$	\$	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$810.00	\$45.00	\$810.00	\$45.00	\$810.00	\$45.00	\$810.00	\$45.00	\$
162	cambio de amortiguador de dirección	\$25.00	\$367.00	\$125.00	\$429.50	N/A	\$0.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
163	Cambio de sellos a masa de dirección	\$45.00	\$80.00	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	N/A	N/A	\$45.00	\$0.00	\$45.00	\$0.00	N/A	N/A	N/A	N/A
164	Cambio de sellos a bomba de power Steering	\$45.00	\$125.00	\$	\$	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$35.00	\$45.00	\$35.00	\$45.00	\$35.00	\$45.00	\$35.00	\$45.00	\$
165	Cambio de mangueras de alta presión de Power Steering	\$15.00	\$80.00	\$15.00	\$60.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$
166	Cambio de mangueras de succión de power Steering	\$15.00	\$55.00	\$15.00	\$60.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$55.00	\$15.00	\$
167	Cambio de bomba power Steering	\$45.00	\$600.00	\$75.00	\$256.00	\$250.00	\$0.00	\$250.00	\$0.00	\$250.00	\$750.00	\$45.00	\$0.00	\$45.00	\$0.00	\$250.00	\$750.00	\$250.00	\$
168	Cambio de "O" Ring a tuberías de power Steering.	\$20.00	\$15.00	\$45.00	\$15.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$
169	Desmontar y montar el sistema del volante	\$45.00	S/R	\$45.00	S/R	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	S/R	\$45.00	S/R	\$45.00	S/R	\$45.00	S/R	\$45.00	\$
170	Cambio de masa de dirección	\$85.00	\$600.00	\$	\$	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$0.00	\$85.00	\$
171	Enderezado de muñones	\$300.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$307.80	\$45.00	\$0.00	\$45.00	\$

Sistema de suspensión

172	Cambio de amortiguadores delanteros (2)	\$30.00	\$894.24	\$30.00	\$718.56	\$70.00	\$372.00	\$70.00	\$372.00	\$70.00	\$372.00	\$70.00	\$372.00	\$70.00	\$894.24	\$70.00	\$372.00	\$70.00	\$
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173	Cambio de amortiguadores traseros (2)	\$60.00	\$615.60	\$30.00	\$450.74	\$70.00	\$325.50	\$70.00	\$325.50	\$70.00	\$325.50	\$70.00	\$615.60	\$70.00	\$325.50	\$70.00	\$
174	cambio de hules a barra estabilizadora delantera	\$20.00	\$97.20	\$45.00	\$175.00	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$97.20	\$45.00	\$
175	cambio de hules a barra estabilizadora trasera	\$20.00	\$97.20	\$45.00	\$175.00	N/A	N/A	N/A	\$0.00	N/A	N/A	\$45.00	\$97.20	N/A	N/A	N/A	N/A
176	cambio de esferas inferiores	\$90.00	\$259.20	\$	\$	\$70.00	\$0.00	\$70.00	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	\$70.00	\$
177	cambio de esferas superiores	\$90.00	\$0.00	\$	\$	\$70.00	\$0.00	\$70.00	\$0.00	\$70.00	\$372.00	\$70.00	\$70.00	\$70.00	\$372.00	\$70.00	\$
178	cambio de tijera superior	\$50.00	\$518.40	\$	\$	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$300.00	\$15.00	\$15.00	\$15.00	\$440.00	\$15.00	\$
179	Cambio de tijera inferior	\$50.00	\$680.40	\$	\$	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$300.00	\$15.00	\$15.00	\$15.00	\$440.00	\$15.00	\$
180	cambio de bujes a barras oscilantes traseras	\$30.00	\$0.00	\$	\$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00
181	cambio de bujes a barras oscilantes delanteras	\$30.00	\$0.00	\$	\$	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00
182	Cambio de bujes a hojas de resortes	\$45.00	\$103.68	\$45.00	\$168.50	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$103.68	\$45.00	\$0.00	\$45.00	\$0.00
183	Cambio de hojas de resorte traseras	\$50.00	\$95.00	\$75.00	\$425.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$95.00	\$45.00	\$0.00	\$45.00	\$0.00
184	cambio de bujes de barra tensores delanteras	\$30.00	\$0.00	\$45.00	\$168.50	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00
185	cambio de bujes de barra tensores trasera	\$45.00	\$0.00	\$45.00	\$168.50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
186	cambio de pines de barra estabilizadora	\$45.00	\$142.56	\$	\$	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$142.56	\$65.00	\$0.00
187	Cambio de bujes a barra transversal trasera	N/A	N/A	\$45.00	\$256.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00
sistema de escape																	
188	cambio de silenciador	\$50.00	\$0.00	\$45.00	\$750.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$980.00	\$50.00	\$0.00	\$50.00	\$980.00	\$50.00	\$0.00
189	Cambio de soportes del escape	\$15.00	\$80.00	\$15.00	\$264.60	\$11.30	\$0.00	\$11.30	\$0.00	\$11.30	\$50.00	\$11.30	\$95.00	\$11.30	\$50.00	\$11.30	\$0.00
190	Cambio de tubo de escape	\$20.00	\$90.00	\$45.00	\$456.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
191	Cambio de abrazaderas del sistema de escape	\$15.00	\$20.00	\$	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
192	Soldadura de tubo de escape	\$30.00	\$0.00	\$45.00	\$15.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$45.00	\$0.00
193	cambio de empaque de salida de escape	\$25.00	\$30.00	\$	\$	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$35.00	\$45.00	\$35.00	\$45.00	\$35.00	\$45.00	\$0.00
Carrocería y accesorios																	
194	Cambio de bumper delantero	\$40.00	\$642.74	\$35.00	\$850.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$641.00	\$40.00	\$636.00	\$40.00	\$636.00	\$40.00	\$636.00
195	Cambio de bumper trasero	\$40.00	\$599.00	\$35.00	\$456.00	\$40.00	\$0.00	\$40.00	\$0.00	\$40.00	\$599.00	\$40.00	\$599.00	\$40.00	\$599.00	\$40.00	\$599.00
196	Enderizar y pintar bumper delantero	\$150.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00

Enderezar y pintar bumper trasero	\$125.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
Instalación y cambio de las loderas (4)	\$20.00	\$80.00	\$45.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
Ajuste de la compuertas traseras	\$175.00	S/R	\$175.00	S/R	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00
Eliminar entradas de agua por empaquetaduras (vidrios, laterales, parabrisas, puertas)	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00
Elaboración de logros del FOSALUD parte frontal2	N/A	N/A	\$988.20	S/R	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00
Elaboración de logros del FOSALUD parte lateral2	\$243.00	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R
Elaboración de logros del FOSALUD parte trasera	\$243.00	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R	\$229.39	S/R
Elaboración de logros del FOSALUD parte lateral L	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R
Elaboración de logros del FOSALUD parte lateral R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R	\$145.80	S/R
Elaboración de arte completo en villi de adherente y mirco perforado	N/A	N/A	N/A	N/A	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	S/R
Pintura de Rines	\$0.00	\$0.00	\$0.00	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00	\$	\$0.00
Cambio de rines	\$15.00	\$200.00	\$15.00	\$200.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$200.00
Cambio de copas	\$5.00	\$125.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Cambio de espejos retrovisor lado R	\$15.00	\$150.00	\$25.00	\$388.80	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$150.00
Cambio de espejos retrovisor lado L	\$15.00	\$150.00	\$25.00	\$388.80	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$150.00
Cambio de espejo retrovisor interno	\$15.00	\$55.00	\$25.00	\$178.20	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$55.00
Cambio de forros de asientos	\$15.00	\$130.00	\$15.00	\$130.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$0.00	\$45.00	\$550.00
Reparación de tapiceria de puertas	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R	\$50.00	S/R
Reparación de tapiceria de asientos	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R
Reparación de bisagra de puertas traseras	\$45.00	S/R	\$45.00	S/R	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	N/A
Cambio de bisagras de puertas traseras	\$12.00	\$75.00	\$12.00	\$75.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	\$0.00	N/A	N/A
Poliarizado completo	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R	\$0.00	S/R
Cambio de defensa delantera	\$15.00	\$486.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$486.00
Cambio de defensa trasera	N/A	N/A	N/A	N/A	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	N/A
Cambio de protector de ama	N/A	N/A	N/A	N/A	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	N/A
Cambio de camper	N/A	N/A	N/A	N/A	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	N/A	N/A	N/A

223	de cambio de amortiguadores de camper	N/A	N/A	N/A	N/A	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	\$0.00	N/A	N/A	N/A	N/A
224	de cambio de compuerta de camper	N/A	N/A	N/A	N/A	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	\$	\$0.00	N/A	N/A	N/A	N/A
225	de cambio de mecanismo de cierre de camper	N/A	N/A	N/A	N/A	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	\$	\$0.00	N/A	N/A	N/A	N/A
226	Instalar luz de camper	N/A	N/A	N/A	N/A	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$	\$	\$0.00	N/A	N/A	N/A	N/A
227	reparación de bases de asiento	\$40.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
228	cambio de alfombras	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$0.00
229	cambio de lámpara de stop	\$25.00	\$335.00	\$25.00	\$335.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$25.00	\$335.00	\$25.00	\$335.00	\$25.00	\$0.00
230	cambio de Sealbeams	\$25.00	\$563.98	\$25.00	\$563.98	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$563.98	\$25.00	\$563.98	\$25.00	\$563.98	\$25.00	\$563.98	\$0.00
231	Cambio de manecillas de sube vidrios	\$35.00	\$70.00	\$35.00	\$70.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$70.00	\$35.00	\$35.00	\$70.00	\$35.00	\$70.00	\$35.00	\$0.00
232	Cambio de manecilla exterior	\$35.00	\$70.00	\$35.00	\$70.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$70.00	\$35.00	\$35.00	\$70.00	\$35.00	\$70.00	\$35.00	\$0.00
233	Reparar mecanismo de máquina sube vidrio	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$65.00	\$10.00	\$65.00	\$10.00	\$65.00	\$0.00
234	Cambio de máquina sube vidrios	\$40.00	\$350.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
235	Reparación de chapa de	\$50.00	S/R	\$50.00	S/R	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	S/R	\$50.00	\$50.00	S/R	\$50.00	S/R	\$50.00	\$0.00
236	Cambio de chapa de puerta	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00	\$0.00	\$50.00	\$0.00	\$50.00	\$0.00
237	Elaboración de duplicado de llave	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$45.00	\$15.00	\$15.00	\$45.00	\$15.00	\$45.00	\$15.00	\$0.00
238	Cambio de llavín del switch de ignición	\$35.00	\$110.00	\$35.00	\$110.00	\$35.00	\$0.00	\$35.00	\$0.00	\$35.00	\$110.00	\$35.00	\$35.00	\$110.00	\$35.00	\$110.00	\$35.00	\$0.00
239	Cambio de equipo estéreo	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$0.00
240	Cambiarle la antena al radio	\$11.30	\$30.00	\$11.30	\$30.00	\$11.30	\$0.00	\$11.30	\$0.00	\$11.30	\$30.00	\$11.30	\$11.30	\$30.00	\$11.30	\$30.00	\$11.30	\$0.00
241	Cambio de espejos retrovisores lado R o L	\$30.00	\$300.00	\$30.00	\$640.00	\$30.00	\$0.00	\$30.00	\$0.00	\$30.00	\$300.00	\$30.00	\$30.00	\$300.00	\$30.00	\$300.00	\$30.00	\$0.00
242	Cambio de base de retrovisor	\$20.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
243	Cambio de forros de asientos	\$25.00	\$130.00	\$25.00	\$130.00	\$25.00	\$0.00	\$25.00	\$0.00	\$25.00	\$130.00	\$25.00	\$25.00	\$130.00	\$25.00	\$130.00	\$25.00	\$0.00
244	Cambio de alfombra de cabina	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$0.00	\$15.00	\$0.00	\$15.00	\$65.00	\$15.00	\$15.00	\$65.00	\$15.00	\$65.00	\$15.00	\$0.00
245	Cambio de escobillas de tricos	\$2.00	\$38.88	\$2.00	\$38.88	\$2.00	\$38.88	\$2.00	\$38.88	\$2.00	\$38.88	\$2.00	\$2.00	\$38.88	\$2.00	\$77.76	\$2.00	\$48.82

Sistema Eléctrico

246	Reparación parcial de motor arranque(incluir desmontaje y montaje)	\$150.00	\$275.00	\$250.00	\$125.00	\$150.00	\$0.00	\$150.00	\$0.00	\$150.00	\$275.00	\$150.00	\$275.00	\$150.00	\$275.00	\$150.00	\$275.00	\$150.00	\$0.00
247	Cambiar Motor de arranque (incluir desmontaje y montaje)	\$250.00	\$965.00	\$430.00	\$1,000.00	\$250.00	\$0.00	\$250.00	\$0.00	\$250.00	\$965.00	\$250.00	\$965.00	\$250.00	\$965.00	\$250.00	\$965.00	\$250.00	\$0.00

248	Reparación parcial alternador	\$225.00	\$545.00	\$225.00	\$545.00	\$225.00	\$0.00	\$225.00	\$0.00	\$225.00	\$0.00	\$225.00	\$545.00	\$225.00	\$545.00	\$225.00	\$545.00	\$225.00	\$545.00	\$225.00	\$0.00
249	Cambiar alternador(incluir desmontaje y montaje)	\$225.00	\$1,295.00	\$225.00	\$1,295.00	\$225.00	\$0.00	\$225.00	\$0.00	\$225.00	\$0.00	\$225.00	\$1,295.00	\$225.00	\$1,295.00	\$225.00	\$1,295.00	\$225.00	\$1,295.00	\$225.00	\$0.00
250	Revisión de régimen de carga y revisión de batería	\$65.00	S/R	\$65.00	S/R	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	\$0.00	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	S/R	\$65.00	\$0.00
251	Cambio de batería	\$15.00	\$259.20	\$15.00	\$453.60	\$15.00	\$453.60	\$15.00	\$453.60	\$15.00	\$453.60	\$15.00	\$259.20	\$15.00	\$453.60	\$15.00	\$259.20	\$15.00	\$453.60	\$15.00	\$284.76
252	Cambio de la computadora	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	\$0.00
253	Reparación de luces del Spotlight	\$100.00	\$125.00	\$100.00	\$125.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
254	Reparación del motor giratorio de spotlight	\$75.00	\$50.00	\$75.00	\$50.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
255	Cambio del motor giratorio de spotlight	\$135.60	\$110.00	\$135.60	\$110.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
256	Reparación del control de mandos de spotlight	\$50.00	\$65.00	\$50.00	\$65.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
257	cambio del control de mandos de spotlight	\$100.00	\$125.00	\$100.00	\$125.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
258	Cambio de amplificador de tonos de emergencia	\$45.00	\$810.00	\$45.00	\$810.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
259	Cambio de la bocina de tonos de emergencia	\$45.00	\$1,134.00	\$45.00	\$1,134.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
260	Reparación de luces de cabina asistencial	\$45.00	\$65.00	\$45.00	\$65.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
261	Cambio completo de la barra de luces, tecnología LED(Spotlight)	\$65.00	\$1,134.00	\$65.00	\$1,134.00	N/A	\$0.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
262	Instalación y cambio de luces halógenos	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00	\$25.00	\$70.00
263	Cambio de candelas incandescentes.	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00	\$25.00	\$90.00
SUB - TOTAL POR SERVICIO		\$15,265.50	\$56,408.12	\$17,204.84	\$68,697.19	\$11,755.88	\$13,255.56	\$13,030.88	\$18,768.94	\$12,838.88	\$50,838.49	\$12,719.57	\$45,888.57	\$15,112.57	\$42,241.92	\$16,132.57	\$22,236.47				
TOTAL POR UNIDAD		\$71,673.62		\$85,902.03		\$25,011.44		\$31,799.82		\$63,677.37		\$58,608.14		\$57,354.49		\$38,369.04					

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FOSALUD

Licitación Pública No.09/2018

**“CONTRATACION DE SERVICIO DE
MANTENIMIENTO PREVENTIVO Y
CORRECTIVO PARA VEHICULOS, CAMIONES
Y AMBULANCIAS DEL FOSALUD, PARA EL
AÑO 2018”**

MANTENIMIENTO CORRECTIVO ITEM No.8

“Mantenimiento correctivo del sistema de
Aire Acondicionado para toda la flota
vehicular de 118 vehículos de FOSALUD”

RUTINAS DE MANTENIMIENTO CORRECTIVO AIRE ACONDICIONADO

TRABAJO	DESCRIPCIÓN DE TRABAJOS DE MANTENIMIENTO CORRECTIVO	3 CAMIONES INTERNACIONAL DE 15 TONELADAS CON FURGÓN		2 CAMIONES ISUZU NPR DE 5 TONELADAS CON FURGÓN		10 CAMIONES ISUZU FTR33K02 DE 10 TONELADAS CON FURGÓN		40 AMBULANCIAS MARCA NISSAN PATROL, 25 AÑO 2007, Y 16 AÑO 2008.		19 AMBULANCIAS MARCA TOYOTA LAND CRUISER, 7 AÑO 2012, Y AÑO 2013,2 AÑO 2014		12 PICK UP MARCA NISSAN FRONTERA, 7 AÑO 2007,1 AÑO 2008,2 AÑO 2013,2 AÑO 2014		10 PICK UP MARCA TOYOTA HILUX, 6 AÑO 2008,4 AÑO 2011.	
		Costo por C/U Servicio C/IVA	Mano de obra	Costo por C/U Servicio C/IVA	Mano de obra	Costo por C/U Servicio C/IVA	Mano de obra	Costo por C/U Servicio C/IVA	Mano de obra	Costo por C/U Servicio C/IVA	Mano de obra	Costo por C/U Servicio C/IVA	Mano de obra	Costo por C/U Servicio C/IVA	Mano de obra
1	Desmontar y montar el compresor	\$58.00	N/A	\$58.00	N/A	\$58.00	N/A	\$56.00	N/A	\$60.00	N/A	\$72.00	N/A	\$56.00	N/A
2	Reparación de compresor	\$65.00	N/A	\$65.25	N/A	\$65.25	N/A	\$63.00	N/A	\$67.50	N/A	\$81.00	N/A	\$63.00	N/A
3	Cambiar el compresor	\$58.00	\$725.00	\$58.00	\$725.00	\$58.00	\$725.00	\$56.00	\$700.00	\$60.00	\$750.00	\$72.00	\$900.00	\$56.00	\$700.00
4	Cambiar el clutch magnético	\$7.25	\$29.00	\$7.25	\$29.00	\$7.25	\$29.00	\$7.00	\$28.00	\$7.50	\$30.00	\$9.00	\$36.00	\$7.00	\$28.00
5	Cambiar los baleros del clutch magnético	\$7.25	\$36.25	\$7.25	\$36.25	\$7.25	\$36.25	\$7.00	\$35.00	\$7.50	\$37.50	\$9.00	\$45.00	\$7.00	\$35.00
6	Cambio de manguera de alta o baja presión	\$7.25	\$87.00	\$7.25	\$87.00	\$7.25	\$87.00	\$7.00	\$84.00	\$7.50	\$90.00	\$9.00	\$108.00	\$7.00	\$84.00
7	Cambiar el evaporador primario	\$217.50	\$253.75	\$217.50	\$253.75	\$217.50	\$253.75	\$210.00	\$245.00	\$225.00	\$262.50	\$270.00	\$315.00	\$210.00	\$245.00
8	Cambio de evaporador secundario	\$217.50	\$217.50	\$217.50	\$217.50	\$217.50	\$217.50	\$210.00	\$210.00	\$225.00	\$225.00	\$270.00	\$270.00	\$210.00	\$210.00
9	Cambio de condensador	\$217.50	\$290.00	\$217.50	\$290.00	\$217.50	\$290.00	\$210.00	\$280.00	\$225.00	\$300.00	\$270.00	\$360.00	\$210.00	\$280.00
10	Reparación de tuberías de alta o baja presión	\$7.25	\$108.75	\$7.25	\$108.75	\$7.25	\$108.75	\$7.00	\$105.00	\$7.50	\$112.50	\$9.00	\$135.00	\$7.00	\$105.00
11	Cambio de tuberías de alta o baja presión	\$7.25	\$87.00	\$7.25	\$87.00	\$7.25	\$87.00	\$7.00	\$84.00	\$7.50	\$90.00	\$9.00	\$108.00	\$7.00	\$84.00
12	Cambiar blower primario	\$7.25	\$87.00	\$7.25	\$87.00	\$7.25	\$87.00	\$7.00	\$84.00	\$7.50	\$90.00	\$9.00	\$108.00	\$7.00	\$84.00
13	Cambiar blower secundario	\$7.25	\$87.00	\$7.25	\$87.00	\$7.25	\$87.00	\$7.00	\$84.00	\$7.50	\$90.00	\$9.00	\$108.00	\$7.00	\$84.00
14	Reparación de condensador	\$36.25	\$29.00	\$36.25	\$29.00	\$36.25	\$29.00	\$35.00	\$28.00	\$37.50	\$30.00	\$45.00	\$36.00	\$35.00	\$28.00
15	Cambio de condensador	\$217.50	\$362.50	\$217.50	\$362.50	\$217.50	\$362.50	\$210.00	\$350.00	\$225.00	\$375.00	\$270.00	\$600.00	\$210.00	\$350.00
16	Cambiar ventilador del condensador	\$7.25	\$145.00	\$7.25	\$145.00	\$7.25	\$145.00	\$7.00	\$140.00	\$7.50	\$150.00	\$9.00	\$180.00	\$7.00	\$140.00
17	cambio de acoples de mangueras de alta o baja presión	\$7.25	\$43.50	\$7.25	\$43.50	\$7.25	\$43.50	\$7.00	\$42.00	\$7.50	\$45.00	\$9.00	\$54.00	\$7.00	\$42.00
18	Cambio de o-ring de acople	\$7.25	\$14.50	\$7.25	\$14.50	\$7.25	\$14.50	\$7.00	\$14.00	\$7.50	\$15.00	\$9.00	\$18.00	\$7.00	\$14.00
19	Cambiar válvula de expansión	\$14.50	\$58.00	\$14.50	\$58.00	\$14.50	\$58.00	\$14.00	\$56.00	\$15.00	\$60.00	\$18.00	\$72.00	\$14.00	\$56.00
20	Cambio de filtro de cabina	\$14.50	\$87.00	\$14.50	\$87.00	\$14.50	\$87.00	\$14.00	\$84.00	\$15.00	\$90.00	\$15.00	\$139.00	\$14.00	\$84.00
21	Cambio de filtro secador	\$21.75	\$101.50	\$21.75	\$101.50	\$21.75	\$101.50	\$21.00	\$98.00	\$22.50	\$105.00	\$27.00	\$126.00	\$21.00	\$98.00
22	Cambiar válvula de expansión	\$29.00	\$87.00	\$29.00	\$87.00	\$29.00	\$87.00	\$28.00	\$84.00	\$30.00	\$90.00	\$36.00	\$108.00	\$28.00	\$84.00
23	Cambiar de tarjeta electrónica de control del aire acondicionado	\$14.50	\$435.00	\$14.50	\$435.00	\$14.50	\$435.00	\$14.00	\$420.00	\$15.00	\$450.00	\$18.00	\$540.00	\$14.00	\$420.00
24	Cambio de ampolleta de presión	\$7.25	\$101.50	\$7.25	\$101.50	\$7.25	\$101.50	\$7.00	\$98.00	\$7.50	\$105.00	\$9.00	\$126.00	\$7.00	\$98.00
25	Cambio de termostato	\$14.50	\$36.25	\$14.50	\$36.25	\$14.50	\$36.25	\$14.00	\$35.00	\$15.00	\$37.50	\$18.00	\$45.00	\$14.00	\$35.00
26	cambio de resistencia de selector de velocidad	\$21.75	\$58.00	\$21.75	\$58.00	\$21.75	\$58.00	\$21.00	\$56.00	\$22.50	\$60.00	\$27.00	\$72.00	\$21.00	\$56.00
27	Cambio de interruptor de A/C	\$21.75	\$217.50	\$21.75	\$217.50	\$21.75	\$217.50	\$21.00	\$210.00	\$22.50	\$225.00	\$27.00	\$270.00	\$21.00	\$210.00
28	cambio de resistencia de selector de velocidad trasero	\$21.75	\$217.50	\$21.75	\$217.50	\$21.75	\$217.50	\$21.00	\$210.00	\$22.50	\$225.00	\$27.00	\$270.00	\$21.00	\$210.00
29	Cambio de electroválvula	\$14.50	\$87.00	\$14.50	\$87.00	\$14.50	\$87.00	\$14.00	\$84.00	\$15.00	\$90.00	\$18.00	\$108.00	\$14.00	\$84.00
30	Cambio de faja de A/c	\$7.25	\$43.50	\$7.25	\$43.50	\$7.25	\$43.50	\$7.00	\$42.00	\$7.50	\$45.00	\$9.00	\$54.00	\$7.00	\$42.00
31	Cambio de balero tensor de A/C	\$14.50	\$36.25	\$14.50	\$36.25	\$14.50	\$36.25	\$14.00	\$35.00	\$15.00	\$37.50	\$18.00	\$45.00	\$14.00	\$35.00
32	Cambio de rejillas de A/C	\$21.75	\$108.75	\$21.75	\$108.75	\$21.75	\$108.75	\$21.00	\$105.00	\$22.50	\$112.50	\$27.00	\$135.00	\$21.00	\$105.00
33	Instalar unidad secundaria de A/C	\$145.00	\$507.50	\$145.00	\$507.50	\$145.00	\$507.50	\$140.00	\$490.00	\$150.00	\$525.00	\$180.00	\$630.00	\$140.00	\$490.00
34	cambio de tapones de puertos de cargas	\$7.25	\$14.50	\$7.25	\$14.50	\$7.25	\$14.50	\$7.00	\$14.00	\$7.50	\$15.00	\$9.00	\$18.00	\$7.00	\$14.00
TOTAL DEL SERVICIO		\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25
TOTAL POR MANTENIMIENTO		\$34,127.50													

7 MICROBUSES MARCA TOYOTA HIACE, 5 AÑO 2008, Y 2 AÑO 2012	2 MICROBUSES MARCA NISSAN URBAN AÑO 2013	1 CAMIONETA MARCA NISSAN PATROL AÑO 2008	2 PICK UP MARCA MAZDA AÑO 2017	10 ambulancias marca IVECO año 2013
COSTO POR C/U SERVICIO C/IVA	COSTO POR C/U SERVICIO C/IVA	COSTO POR C/U SERVICIO C/IVA	COSTO POR C/U SERVICIO C/IVA	COSTO POR C/U SERVICIO C/IVA
Mano de obra	Mano de obra	Mano de obra	Mano de obra	Mano de obra
Repuesto	Repuesto	Repuesto	Repuesto	Repuesto
obra	obra	obra	obra	obra
\$58.00	N/A	\$62.00	N/A	\$72.00
\$65.25	N/A	\$69.75	N/A	\$81.00
\$58.00	\$72.00	\$62.00	\$67.50	\$72.00
\$7.25	\$800.00	\$775.00	\$750.00	\$900.00
\$7.25	\$32.00	\$31.00	\$30.00	\$9.00
\$7.25	\$36.25	\$38.75	\$37.50	\$45.00
\$7.25	\$87.00	\$93.00	\$90.00	\$108.00
\$217.50	\$240.00	\$232.50	\$225.00	\$270.00
\$217.50	\$240.00	\$232.50	\$225.00	\$270.00
\$217.50	\$240.00	\$232.50	\$225.00	\$270.00
\$7.25	\$108.75	\$7.75	\$116.25	\$9.00
\$7.25	\$87.00	\$7.75	\$93.00	\$9.00
\$7.25	\$87.00	\$7.75	\$93.00	\$9.00
\$7.25	\$87.00	\$7.75	\$93.00	\$9.00
\$36.25	\$29.00	\$38.75	\$31.00	\$45.00
\$217.50	\$362.50	\$232.50	\$387.50	\$600.00
\$7.25	\$145.00	\$7.75	\$155.00	\$180.00
\$7.25	\$43.50	\$7.75	\$46.50	\$54.00
\$7.25	\$14.50	\$7.75	\$15.50	\$18.00
\$14.50	\$58.00	\$15.50	\$62.00	\$72.00
\$14.50	\$87.00	\$15.50	\$93.00	\$139.00
\$21.75	\$101.50	\$23.25	\$108.50	\$126.00
\$29.00	\$87.00	\$31.00	\$93.00	\$108.00
\$14.50	\$435.00	\$15.50	\$465.00	\$540.00
\$7.25	\$101.50	\$7.75	\$108.50	\$126.00
\$14.50	\$36.25	\$15.50	\$38.75	\$45.00
\$21.75	\$58.00	\$23.25	\$62.00	\$72.00
\$21.75	\$217.50	\$23.25	\$232.50	\$270.00
\$21.75	\$217.50	\$23.25	\$232.50	\$270.00
\$14.50	\$87.00	\$15.50	\$93.00	\$108.00
\$7.25	\$43.50	\$7.75	\$46.50	\$54.00
\$14.50	\$36.25	\$15.50	\$38.75	\$45.00
\$21.75	\$108.75	\$23.25	\$116.25	\$135.00
\$145.00	\$507.50	\$155.00	\$542.50	\$660.00
\$7.25	\$14.50	\$7.75	\$15.50	\$18.00
\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25	\$1,551.25

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